



Lab Number: L2540011

Client: Phoenix Environmental

ATTN: Julian Antebi

Project Name: RAMSEY SD

Project Number: RAMSEY SD

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Title Page - NJDEP

**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: L2540011		NJDEP Certification #: MA935/MA015	
Date of First Sample Receipt: 06/25/2025		Date of Last Sample Receipt: 06/25/2025	
Agency Sample Number	Laboratory Sample Number	Sample Location	Date/Time of Collection
UST-N2	L2540011-01	RAMSEY SD	06/25/2025 11:30
UST-S2	L2540011-02	RAMSEY SD	06/25/2025 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) 	

Table of Contents

New Jersey Reduced Data Deliverable Package.....	1
Title Page	2
Table of Contents	3
Chain of Custody	5
External Chain of Custody	6
Lims COC (LN01)	7
Sample Receipt Tracking Report	8
Methodology Review	13
Method References	14
Laboratory Chronicle	15
Sample Receipt and Container Information	16
NJ DEP DKQP Summary Questionnaire.....	18
DKQP Summary Questionnaire	19
Conformance/Non-Conformance (Reliability) Summary.....	20
Conformance/Non-Conformance (Reliability) Report	21
Glossary	23
Glossary Report	24
SPLP Extraction Data	27
SPLP ZHE Extraction Data	28
Form 1 - Organics	29
Organics Analysis	31
GCMS 8260 Analysis	32
Sample Results Summary	33
Form 1 - Organics	34
Tune Results Summary	55
Form 5 - Organics	56
Blank Results Summary	60
Form 4 - Organics	61
Standards Data Summary	63
Form 6 - Organics	64
Form 7 - Organics	70
Surrogate Summary	76
Form 2 - Organics	77
Batch QC Summary	79
Form 3 - Organics	80
Internal Standard Summary	84
Form 8 - Organics	85
Chromatograms	87
Sample Raw Data	88
UST-N2 (L2540011-01) Analyzed: 06/30/25 18:37	89
UST-S2 (L2540011-02) Analyzed: 06/30/25 19:04	106
UST-N2 (L2540011-01) Analyzed: 07/01/25 06:07	119
UST-S2 (L2540011-02) Analyzed: 07/01/25 06:34	124
Method Blank Raw Data	131
Laboratory Method BI (WG2085689-5) Analyzed: 06/30/25 14:13	132
Laboratory Method BI (WG2085650-5) Analyzed: 07/01/25 05:41	144
Metals Analysis	150
Inorganic Data (ICP Analysis)	151
Sample Results Summary	152
Form 1 - Inorganics	153

Table of Contents

Blank Results Summary	156
Form 3 - Inorganics	157
Calibration Summary	160
Form 2A - Inorganics	161
ICP Interference Check Sample Results Summary	165
Form 4A - Inorganics	166
LCS Sample Results Summary	167
Form 7 - Inorganics	168
Sample Run Logs	169
Form 13 - Inorganics	170
ICP Digestion	171
Form 12 - Inorganics	172
Inorganic Data (ICPMS Analysis)	173
Sample Results Summary	174
Form 1 - Inorganics	175
Blank Results Summary	179
Form 3 - Inorganics	180
Calibration Summary	184
Form 2A - Inorganics	185
ICP Interference Check Sample Results Summary	189
Form 4A - Inorganics	190
Spike Sample Results	191
Form 5A - Inorganics	192
Duplicate Sample Results Summary	193
Form 6 - Inorganics	194
LCS Sample Results Summary	195
Form 7 - Inorganics	196
Internal Standard Summary	197
Form 15 - Inorganics	198
Sample Run Logs	200
Form 13 - Inorganics	201
ICPMS Digestion	203
Form 12 - Inorganics	204
Wet Chemistry Analysis	205
Total Solids Analysis	206
Results Summary	207
Form 1 - Inorganics	208

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: 508-822-3268

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

6/25/25

ALPHA Job #

1254001

Project Information

Project Name: Ramsey RD

Project Location: Ramsey, NJ

Project #

(Use Project name as Project #) ☒

Project Manager: Tim Davis

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 #

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

Client Information

Client: Phoenix Env. Mgr +

Address: 3528 Quakerbridge Rd.

#907 Hamilton, NJ

Phone: 609 584 9001

Fax:

Email: DN File

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

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

TEL VO + 15

9768

Lead

SPLP Lead

540011-01
02

UST-NR
UST-S2

6/25/25
1130
1330

S
"

JD
"

X
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:

Paul M. (PALE)

NJSC

Paul M. (PALE)

Paul M. (PALE)

Date/Time

6/25/25 14:25

6/25/25 14:35

6/25/25 14:35

6/25/25 14:35

Received By:

Paul M. (PALE)

NJSC

Paul M. (PALE)

Paul M. (PALE)

Date/Time

6/25/25 14:25

6/25/25 14:35

6/25/25 14:35

6/25/25 14:35

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, 08:26 pm

Login Number: L2540011

Account: PHOENIX-NJ Phoenix Environmental Project: RAMSEY SD

Received: 25JUN25 Due Date: 02JUL25

Sample # Client ID Mat PR Collected

L2540011-01 UST-N2

3 3E 25JUN25 11:30

PREPP: Metals NJ-RED Package Due Date: 07/02/25

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

L2540011-02 UST-S2

3 3E 25JUN25 13:30

PREPP: Metals Package Due Date: 07/02/25

DISPOSAL, NJ-8260HLW, NJ-SPLP-8260, NJ-SPLP-EXT-ZHE, NJ-SPLP-VOA, NJ-SPLPZHEEXT-DATA, PB-TI, PREPP, 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
L2540011-01A	Encore-5	EMPTY	26-JUN-25	CUSTODY	CUSTODY	Jared Idels	VOA CUSTODY	VOA CUSTODY	Jared Idels
L2540011-01A	Encore-5	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-01B	Encore-5	EMPTY	26-JUN-25	CUSTODY	CUSTODY	Jared Idels	VOA CUSTODY	VOA CUSTODY	Jared Idels
L2540011-01B	Encore-5	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-01C	Encore-5	EMPTY	26-JUN-25	CUSTODY	CUSTODY	Jared Idels	VOA CUSTODY	VOA CUSTODY	Jared Idels
L2540011-01C	Encore-5	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-01D	Encore-25	INTACT	26-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	VOA CUSTODY	VOA CUSTODY	Gregory Ramos
L2540011-01D	Encore-25	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-01E	Encore-25	EMPTY	26-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	VOA CUSTODY	VOA CUSTODY	Gregory Ramos
L2540011-01E	Encore-25	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-01F	Plastic-A-TS	INTACT	01-JUL-25		LOGIN	Riley Frankian	RETURN TS WALK-IN CUSTODY	RETURN TS WALK-IN CUSTODY	Riley Frankian
L2540011-01F	Plastic-A-TS	INTACT	26-JUN-25		CUSTODY	Chris Tebeau	LOGIN	LOGIN	Chris Tebeau
L2540011-01F	Plastic-A-TS	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-01G	Glass-AM.06	INTACT	02-JUL-25	A2-CUSTODY-REFRIDGE	A2-METALS PREP	Sarah McLaughlin	A2-CUSTODY-MET1-S10	A2-CUSTODY-MET1-S10	Sarah McLaughlin
L2540011-01G	Glass-AM.06	INTACT	02-JUL-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY-MET4-S3	Sarah McLaughlin	A2-METALS PREP	A2-METALS PREP	Sarah McLaughlin
L2540011-01G	Glass-AM.06	INTACT	26-JUN-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY	Dylan Beaulieu	A2-CUSTODY-MET4-S3	A2-CUSTODY-MET4-S3	Dylan Beaulieu
L2540011-01G	Glass-AM.06	INTACT	26-JUN-25	TRANSIT COURIER	COOLER10-TRANSFER_TO_MANSFIELD	Chris Tebeau	A2-CUSTODY	A2-CUSTODY	Jessica Graham
L2540011-01G	Glass-AM.06	INTACT	26-JUN-25	COOLER10-TRANSFER_TO_MANSFIELD	COOLER10-TRANSFER_TO_MANSFIELD	Chris Tebeau		TRANSIT COURIER	COOLER10-TRANSFER_TO_MANSFIELD
L2540011-01G	Glass-AM.06	INTACT	26-JUN-25		CUSTODY	Chris Tebeau	COOLER10-TRANSFER_TO_MANSFIELD	COOLER10-TRANSFER_TO_MANSFIELD	Chris Tebeau
L2540011-01G	Glass-AM.06	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-01H	Glass-A.25	INTACT	26-JUN-25	CUSTODY	RETURN WALK-IN	CUSTODY Conor Philip	Kieran W8-S2-A CUSTODY	W8-S2-A CUSTODY	Conor Philip Kieran
L2540011-01H	Glass-A.25	INTACT	26-JUN-25		ORGPREP	Peter Goddard	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Peter Goddard
L2540011-01H	Glass-A.25	INTACT	26-JUN-25		W8-S2-A CUSTODY	Peter Goddard	ORGPREP	ORGPREP	Peter Goddard
L2540011-01H	Glass-A.25	INTACT	26-JUN-25	CUSTODY	CUSTODY	Elizabeth Grace	W8-S2-A CUSTODY	W8-S2-A CUSTODY	Elizabeth Grace
L2540011-01H	Glass-A.25	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2540011-01J	EVial-A	INTACT	27-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	V48-33 CUSTODY	V48-33 CUSTODY	Gregory Ramos
L2540011-01J	EVial-A	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-01Q	EVial-A	INTACT	02-JUL-25	CUSTODY	GC/MS	Deniz Erdem	VOA-DEAD-CUSTODY-73	VOA-DEAD-CUSTODY-73	Deniz Erdem
L2540011-01Q	EVial-A	INTACT	02-JUL-25	CUSTODY	VOA-DEAD-CUSTODY-2	Gregory Ramos	GC/MS	GC/MS	Gregory Ramos
L2540011-01Q	EVial-A	INTACT	02-JUL-25	CUSTODY	GC/MS	Mike May	VOA-DEAD-CUSTODY-2	VOA-DEAD-CUSTODY-2	Mike May
L2540011-01Q	EVial-A	INTACT	01-JUL-25	CUSTODY	V48-33 CUSTODY	Mike May	GC/MS	GC/MS	Mike May
L2540011-01Q	EVial-A	INTACT	27-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	V48-33 CUSTODY	V48-33 CUSTODY	Gregory Ramos
L2540011-01Q	EVial-A	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-01U	EPlastic-C.25	INTACT	02-JUL-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY-METPREP1	Nathaniel Schlosser	A2-CUSTODY-WH-1B	A2-CUSTODY-WH-1B	Nathaniel Schlosser
L2540011-01U	EPlastic-C.25	INTACT	28-JUN-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY	Dylan Beaulieu	A2-CUSTODY-METPREP1	A2-CUSTODY-METPREP1	Dylan Beaulieu
L2540011-01U	EPlastic-C.25	INTACT	27-JUN-25	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSFIELD	Peter Goddard	A2-CUSTODY	A2-CUSTODY	Robert Mendoza
L2540011-01U	EPlastic-C.25	INTACT	27-JUN-25	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Peter Goddard	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSFIELD	Peter Goddard
L2540011-01U	EPlastic-C.25	INTACT	27-JUN-25		CUSTODY	Peter Goddard	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Peter Goddard
L2540011-01U	EPlastic-C.25	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-01X	SVial-F	INTACT	27-JUN-25	CUSTODY	GC	Luis Ortiz	V49-10 CUSTODY	V49-10 CUSTODY	Luis Ortiz
L2540011-01X	SVial-F	INTACT	27-JUN-25	CUSTODY	V49-23 CUSTODY	Luis Ortiz	GC	GC	Luis Ortiz
L2540011-01X	SVial-F	INTACT	26-JUN-25	CUSTODY	CUSTODY	Jared Idels	V49-23 CUSTODY	V49-23 CUSTODY	Jared Idels
L2540011-01X	SVial-F	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-01Y	SVial-W	INTACT	03-JUL-25	CUSTODY	VOA DEAD AMBIENT	CUSTODY Aidan Armas	A4-CUSTODY-VOA DEAD	A4-CUSTODY-VOA DEAD	Aidan Armas
L2540011-01Y	SVial-W	INTACT	01-JUL-25	CUSTODY	GC/MS	Mackenzie Flanagan	VOA DEAD AMBIENT CUSTODY	VOA DEAD AMBIENT CUSTODY	Mackenzie Flanagan
L2540011-01Y	SVial-W	INTACT	30-JUN-25	CUSTODY	F66-45 CUSTODY	Amanda Kennedy	GC/MS	GC/MS	Amanda Kennedy
L2540011-01Y	SVial-W	INTACT	27-JUN-25	CUSTODY	F11-29 CUSTODY	Gregory Ramos	F66-45 CUSTODY	F66-45 CUSTODY	Gregory Ramos
L2540011-01Y	SVial-W	INTACT	26-JUN-25	CUSTODY	CUSTODY	Jared Idels	F11-29 CUSTODY	F11-29 CUSTODY	Jared Idels
L2540011-01Y	SVial-W	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-01Z	SVial-W	INTACT	27-JUN-25	CUSTODY	F11-29 CUSTODY	Gregory Ramos	F66-45 CUSTODY	F66-45 CUSTODY	Gregory Ramos

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2540011-01Z	SVial-W	INTACT	26-JUN-25	CUSTODY	CUSTODY	Jared Idels	F11-29 CUSTODY	F11-29 CUSTODY	Jared Idels
L2540011-01Z	SVial-W	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-02A	Encore-5	EMPTY	26-JUN-25	CUSTODY	CUSTODY	Jared Idels	VOA CUSTODY	VOA CUSTODY	Jared Idels
L2540011-02A	Encore-5	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-02B	Encore-5	EMPTY	26-JUN-25	CUSTODY	CUSTODY	Jared Idels	VOA CUSTODY	VOA CUSTODY	Jared Idels
L2540011-02B	Encore-5	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-02C	Encore-5	EMPTY	26-JUN-25	CUSTODY	CUSTODY	Jared Idels	VOA CUSTODY	VOA CUSTODY	Jared Idels
L2540011-02C	Encore-5	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-02D	Encore-25	EMPTY	26-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	VOA CUSTODY	VOA CUSTODY	Gregory Ramos
L2540011-02D	Encore-25	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-02E	Encore-25	INTACT	26-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	VOA CUSTODY	VOA CUSTODY	Gregory Ramos
L2540011-02E	Encore-25	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-02F	Plastic-A-TS	INTACT	01-JUL-25		LOGIN	Riley Frankian	RETURN TS WALK-IN CUSTODY	RETURN TS WALK-IN CUSTODY	Riley Frankian
L2540011-02F	Plastic-A-TS	INTACT	26-JUN-25		CUSTODY	Chris Tebeau	LOGIN	LOGIN	Chris Tebeau
L2540011-02F	Plastic-A-TS	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-02G	Glass-AM.06	INTACT	02-JUL-25	A2-CUSTODY-REFRIDGE	A2-METALS PREP	Sarah McLaughlin	A2-CUSTODY-MET1-S10	A2-CUSTODY-MET1-S10	Sarah McLaughlin
L2540011-02G	Glass-AM.06	INTACT	02-JUL-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY-MET4-S3	Sarah McLaughlin	A2-METALS PREP	A2-METALS PREP	Sarah McLaughlin
L2540011-02G	Glass-AM.06	INTACT	26-JUN-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY	Dylan Beaulieu	A2-CUSTODY-MET4-S3	A2-CUSTODY-MET4-S3	Dylan Beaulieu
L2540011-02G	Glass-AM.06	INTACT	26-JUN-25	TRANSIT COURIER	COOLER10-TRANSFER_TO_MANSFIELD	Chris Tebeau	A2-CUSTODY	A2-CUSTODY	Jessica Graham
L2540011-02G	Glass-AM.06	INTACT	26-JUN-25	COOLER10-TRANSFER_TO_MANSFIELD	COOLER10-TRANSFER_TO_MANSFIELD	Chris Tebeau	TRANSIT COURIER	COOLER10-TRANSFER_TO_MANSFIELD	Chris Tebeau
L2540011-02G	Glass-AM.06	INTACT	26-JUN-25		CUSTODY	Chris Tebeau	COOLER10-TRANSFER_TO_MANSFIELD	COOLER10-TRANSFER_TO_MANSFIELD	Chris Tebeau
L2540011-02G	Glass-AM.06	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-02H	Glass-A.25	INTACT	26-JUN-25	CUSTODY	RETURN WALK-IN CUSTODY	Conor Philip Kieran	W8-S2-A CUSTODY	W8-S2-A CUSTODY	Conor Philip Kieran
L2540011-02H	Glass-A.25	INTACT	26-JUN-25		ORGPREP	Peter Goddard	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Peter Goddard
L2540011-02H	Glass-A.25	INTACT	26-JUN-25		W8-S2-A CUSTODY	Peter Goddard	ORGPREP	ORGPREP	Peter Goddard

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2540011-02H	Glass-A.25	INTACT	26-JUN-25	CUSTODY	CUSTODY	Elizabeth Grace	W8-S2-A CUSTODY	W8-S2-A CUSTODY	Elizabeth Grace
L2540011-02H	Glass-A.25	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-02J	EVial-A	INTACT	27-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	V48-33 CUSTODY	V48-33 CUSTODY	Gregory Ramos
L2540011-02J	EVial-A	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-02Q	EVial-A	INTACT	27-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	V48-33 CUSTODY	V48-33 CUSTODY	Gregory Ramos
L2540011-02Q	EVial-A	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-02U	EPlastic-C.25	INTACT	02-JUL-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY-METPREP1	Nathaniel Schlosser	A2-CUSTODY-WH-1B	A2-CUSTODY-WH-1B	Nathaniel Schlosser
L2540011-02U	EPlastic-C.25	INTACT	28-JUN-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY	Dylan Beaulieu	A2-CUSTODY-METPREP1	A2-CUSTODY-METPREP1	Dylan Beaulieu
L2540011-02U	EPlastic-C.25	INTACT	27-JUN-25	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSFIELD	Peter Goddard	A2-CUSTODY	A2-CUSTODY	Robert Mendoza
L2540011-02U	EPlastic-C.25	INTACT	27-JUN-25	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Peter Goddard	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSFIELD	
L2540011-02U	EPlastic-C.25	INTACT	27-JUN-25		CUSTODY	Peter Goddard	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Peter Goddard
L2540011-02U	EPlastic-C.25	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-02W	EVial-A	INTACT	02-JUL-25	CUSTODY	GC/MS	Deniz Erdem	VOA-DEAD-CUSTODY-73	VOA-DEAD-CUSTODY-73	Deniz Erdem
L2540011-02W	EVial-A	INTACT	02-JUL-25	CUSTODY	RETURN WALK-IN	CUSTODY Gregory Ramos	GC/MS	GC/MS	Gregory Ramos
L2540011-02W	EVial-A	INTACT	02-JUL-25	CUSTODY	GC/MS	Gregory Ramos	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Gregory Ramos
L2540011-02W	EVial-A	INTACT	01-JUL-25	CUSTODY	V48-33 CUSTODY	Mike May	GC/MS	GC/MS	Mike May
L2540011-02W	EVial-A	INTACT	27-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	V48-33 CUSTODY	V48-33 CUSTODY	Gregory Ramos
L2540011-02W	EVial-A	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-02X	SVial-F	INTACT	27-JUN-25	CUSTODY	GC	Luis Ortiz	V49-10 CUSTODY	V49-10 CUSTODY	Luis Ortiz
L2540011-02X	SVial-F	INTACT	27-JUN-25	CUSTODY	V49-23 CUSTODY	Luis Ortiz	GC	GC	Luis Ortiz
L2540011-02X	SVial-F	INTACT	26-JUN-25	CUSTODY	CUSTODY	Jared Idels	V49-23 CUSTODY	V49-23 CUSTODY	Jared Idels
L2540011-02X	SVial-F	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-02Y	SVial-W	INTACT	03-JUL-25	CUSTODY	VOA DEAD AMBIENT	CUSTODY Aidan Armas	A4-CUSTODY-VOA DEAD	A4-CUSTODY-VOA DEAD	Aidan Armas
L2540011-02Y	SVial-W	INTACT	01-JUL-25	CUSTODY	GC/MS	Mackenzie Flanagan	VOA DEAD AMBIENT CUSTODY	VOA DEAD AMBIENT CUSTODY	Mackenzie Flanagan
L2540011-02Y	SVial-W	INTACT	30-JUN-25	CUSTODY	F66-45 CUSTODY	Amanda Kennedy	GC/MS	GC/MS	Amanda Kennedy

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2540011-02Y SVial-W	INTACT	27-JUN-25	CUSTODY	F11-29 CUSTODY	Gregory Ramos	F66-45 CUSTODY	F66-45 CUSTODY	Gregory Ramos
L2540011-02Y SVial-W	INTACT	26-JUN-25	CUSTODY	CUSTODY	Jared Idels	F11-29 CUSTODY	F11-29 CUSTODY	Jared Idels
L2540011-02Y SVial-W	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2540011-02Z SVial-W	INTACT	27-JUN-25	CUSTODY	F11-29 CUSTODY	Gregory Ramos	F66-45 CUSTODY	F66-45 CUSTODY	Gregory Ramos
L2540011-02Z SVial-W	INTACT	26-JUN-25	CUSTODY	CUSTODY	Jared Idels	F11-29 CUSTODY	F11-29 CUSTODY	Jared Idels
L2540011-02Z SVial-W	INTACT	26-JUN-25	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau

Methodology Review

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2540011
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: L2540011

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(*)
L2540011-01A	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540011-01B	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540011-01C	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540011-01D	25 gram Encore Sampler	NA	NA			Y	Absent		NJ-SPLPZHEEXT-DATA(14),NJ-SPLP-EXT-ZHE(2)
L2540011-01E	25 gram Encore Sampler	NA	NA			Y	Absent		NJ-SPLPZHEEXT-DATA(14),NJ-SPLP-EXT-ZHE(2)
L2540011-01F	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2540011-01G	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		PB-Ti(180)
L2540011-01H	Glass 250ml/8oz unpreserved	NA	NA			Y	Absent		-
L2540011-01J	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2540011-01Q	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2540011-01U	Plastic 250ml HNO3 preserved Extracts	NA	NA			Y	Absent		SPLP-PB-6020T-PPB(180)
L2540011-01W	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2540011-01X	Vial MeOH preserved split	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540011-01X9	Tumble Vessel	NA	NA			Y	Absent		-
L2540011-01Y	Vial Water preserved split	NA	NA			Y	Absent	26-JUN-25 12:15	NJ-8260HLW(14)
L2540011-01Z	Vial Water preserved split	NA	NA			Y	Absent	26-JUN-25 12:15	NJ-8260HLW(14)
L2540011-02A	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540011-02B	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540011-02C	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540011-02D	25 gram Encore Sampler	NA	NA			Y	Absent		NJ-SPLPZHEEXT-DATA(14),NJ-SPLP-EXT-ZHE(2)
L2540011-02E	25 gram Encore Sampler	NA	NA			Y	Absent		NJ-SPLPZHEEXT-DATA(14),NJ-SPLP-EXT-ZHE(2)
L2540011-02F	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: L2540011

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(*)
L2540011-02G	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		PB-TI(180)
L2540011-02H	Glass 250ml/8oz unpreserved	NA	NA			Y	Absent		-
L2540011-02J	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2540011-02Q	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2540011-02U	Plastic 250ml HNO3 preserved Extracts	NA	NA			Y	Absent		SPLP-PB-6020T-PPB(180)
L2540011-02W	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2540011-02X	Vial MeOH preserved split	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540011-02X9	Tumble Vessel	NA	NA			Y	Absent		-
L2540011-02Y	Vial Water preserved split	NA	NA			Y	Absent	26-JUN-25 12:15	NJ-8260HLW(14)
L2540011-02Z	Vial Water preserved split	NA	NA			Y	Absent	26-JUN-25 12:15	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: L2540011
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?	YES
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: L2540011
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

Lab Number: L2540011
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

Volatile Organics

In reference to question 5b:

L2540011-01 and -02: One or more of the target analytes did not achieve the requested regulatory limits.

Total Metals

L2540011-01 and -02: The sample has an elevated detection limit for lead due to the dilution required by the sample matrix.

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



Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2540011
Report Date: 07/03/25

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

Report Format: DU Report with 'J' Qualifiers



Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2540011
Report Date: 07/03/25

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.

SPLP Extraction Data

SPLP Extraction Data Volatile Organics

Results Summary

Form 1

SPLP ZHE Extraction Data by EPA 1312

Client	: Phoenix Environmental	Lab Number	: L2540011
Project Name	: RAMSEY SD	Project Number	: RAMSEY SD
Lab ID	: L2540011-01	Date Collected	: 06/25/25 11:30
Client ID	: UST-N2	Date Received	: 06/25/25
Sample Location	: RAMSEY, NJ	Date Analyzed	: 07/02/25 10:20
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,1312	Analyst	: GAR
Lab File ID	:	Instrument ID	:
Sample Amount	: 0.025	GC Column	:
Level	: LOW	%Solids	: 87
Extract Volume (MeOH)	: N/A	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	8.75	SU	-	NA	



Results Summary

Form 1

SPLP ZHE Extraction Data by EPA 1312

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540011-02
 Client ID : UST-S2
 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 : L2540011
 Project Number : RAMSEY SD
 Date Collected : 06/25/25 13:30
 Date Received : 06/25/25
 Date Analyzed : 07/02/25 10:20
 Dilution Factor : 1
 Analyst : GAR
 Instrument ID :
 GC Column :
 %Solids : 85
 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	8.78	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 : L2540011-01
 Client ID : UST-N2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : J250701A07
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : 06/25/25 11:30
 Date Received : 06/25/25
 Date Analyzed : 07/01/25 06:07
 Dilution Factor : 1
 Analyst : MCM
 Instrument ID : JACK
 GC Column : RTX-502.2
 %Solids : 87
 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 : L2540011-01
 Client ID : UST-N2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : J250701A07
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : 06/25/25 11:30
 Date Received : 06/25/25
 Date Analyzed : 07/01/25 06:07
 Dilution Factor : 1
 Analyst : MCM
 Instrument ID : JACK
 GC Column : RTX-502.2
 %Solids : 87
 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 : L2540011-01
 Client ID : UST-N2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : J250701A07
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : 06/25/25 11:30
 Date Received : 06/25/25
 Date Analyzed : 07/01/25 06:07
 Dilution Factor : 1
 Analyst : MCM
 Instrument ID : JACK
 GC Column : RTX-502.2
 %Solids : 87
 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 : L2540011-01
 Client ID : UST-N2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V04250630B16
 Sample Amount : 6.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : 06/25/25 11:30
 Date Received : 06/25/25
 Date Analyzed : 06/30/25 18:37
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA104
 GC Column : RTX-VMS
 %Solids : 87
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0029	0.00096	U
123-91-1	1,4-Dioxane	ND	0.077	0.034	U
106-93-4	1,2-Dibromoethane	ND	0.00096	0.00027	U
75-09-2	Methylene chloride	ND	0.0048	0.0022	U
75-34-3	1,1-Dichloroethane	ND	0.00096	0.00014	U
67-66-3	Chloroform	0.00013	0.0014	0.00013	J
56-23-5	Carbon tetrachloride	ND	0.00096	0.00022	U
78-87-5	1,2-Dichloropropane	ND	0.00096	0.00012	U
124-48-1	Dibromochloromethane	ND	0.00096	0.00013	U
79-00-5	1,1,2-Trichloroethane	ND	0.00096	0.00026	U
127-18-4	Tetrachloroethene	ND	0.00048	0.00019	U
108-90-7	Chlorobenzene	ND	0.00048	0.00012	U
75-69-4	Trichlorofluoromethane	ND	0.0038	0.00067	U
107-06-2	1,2-Dichloroethane	ND	0.00096	0.00025	U
71-55-6	1,1,1-Trichloroethane	ND	0.00048	0.00016	U
75-27-4	Bromodichloromethane	ND	0.00048	0.00010	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.00096	0.00026	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.00048	0.00015	U
542-75-6	1,3-Dichloropropene, Total	ND	0.00048	0.00015	U
75-25-2	Bromoform	ND	0.0038	0.00024	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.00048	0.00016	U
71-43-2	Benzene	ND	0.00048	0.00016	U
108-88-3	Toluene	ND	0.00096	0.00052	U
100-41-4	Ethylbenzene	ND	0.00096	0.00014	U
74-87-3	Chloromethane	ND	0.0038	0.00090	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540011-01
 Client ID : UST-N2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V04250630B16
 Sample Amount : 6.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : 06/25/25 11:30
 Date Received : 06/25/25
 Date Analyzed : 06/30/25 18:37
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA104
 GC Column : RTX-VMS
 %Solids : 87
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
74-83-9	Bromomethane	ND	0.0019	0.00056	U
75-01-4	Vinyl chloride	ND	0.00096	0.00032	U
75-00-3	Chloroethane	ND	0.0019	0.00044	U
75-35-4	1,1-Dichloroethene	ND	0.00096	0.00023	U
156-60-5	trans-1,2-Dichloroethene	ND	0.0014	0.00013	U
79-01-6	Trichloroethene	ND	0.00048	0.00013	U
95-50-1	1,2-Dichlorobenzene	ND	0.0019	0.00014	U
541-73-1	1,3-Dichlorobenzene	ND	0.0019	0.00014	U
106-46-7	1,4-Dichlorobenzene	ND	0.0019	0.00016	U
1634-04-4	Methyl tert butyl ether	ND	0.0019	0.00019	U
179601-23-1	p/m-Xylene	ND	0.0019	0.00054	U
95-47-6	o-Xylene	ND	0.00096	0.00028	U
1330-20-7	Xylenes, Total	ND	0.00096	0.00028	U
156-59-2	cis-1,2-Dichloroethene	ND	0.00096	0.00017	U
540-59-0	1,2-Dichloroethene, Total	ND	0.00096	0.00013	U
100-42-5	Styrene	ND	0.00096	0.00019	U
75-71-8	Dichlorodifluoromethane	ND	0.0096	0.00088	U
67-64-1	Acetone	ND	0.024	0.0096	U
75-15-0	Carbon disulfide	ND	0.0096	0.0044	U
78-93-3	2-Butanone	ND	0.0096	0.0021	U
108-10-1	4-Methyl-2-pentanone	ND	0.0096	0.0012	U
591-78-6	2-Hexanone	ND	0.0096	0.0011	U
74-97-5	Bromochloromethane	ND	0.0019	0.00020	U
98-82-8	Isopropylbenzene	ND	0.00096	0.00010	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.0019	0.00031	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540011-01
 Client ID : UST-N2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V04250630B16
 Sample Amount : 6.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : 06/25/25 11:30
 Date Received : 06/25/25
 Date Analyzed : 06/30/25 18:37
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA104
 GC Column : RTX-VMS
 %Solids : 87
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0019	0.00026	U
79-20-9	Methyl Acetate	ND	0.0038	0.00092	U
110-82-7	Cyclohexane	ND	0.0096	0.00052	U
108-87-2	Methyl cyclohexane	ND	0.0038	0.00058	U
76-13-1	Freon-113	ND	0.0038	0.00067	U



Tentatively Identified Compounds
Form 1
Volatile Organics by EPA 5035

Client : Phoenix Environmental
Project Name : RAMSEY SD
Lab ID : L2540011-01
Client ID : UST-N2
Sample Location : RAMSEY, NJ
Sample Matrix : SOIL
Analytical Method : 1,8260D
Lab File ID : V04250630B16
Sample Amount :
Level :
Extract Volume (MeOH) : NA

Lab Number : L2540011
Project Number : RAMSEY SD
Date Collected : 06/25/25 11:30
Date Received : 06/25/25
Date Analyzed : 06/30/25 18:37
Dilution Factor : 1
Analyst : JIC
Instrument ID : VOA104
GC Column :
%Solids : 87
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 : L2540011-02
 Client ID : UST-S2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : J250701A08
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : 06/25/25 13:30
 Date Received : 06/25/25
 Date Analyzed : 07/01/25 06:34
 Dilution Factor : 1
 Analyst : MCM
 Instrument ID : JACK
 GC Column : RTX-502.2
 %Solids : 85
 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 : L2540011-02
 Client ID : UST-S2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : J250701A08
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : 06/25/25 13:30
 Date Received : 06/25/25
 Date Analyzed : 07/01/25 06:34
 Dilution Factor : 1
 Analyst : MCM
 Instrument ID : JACK
 GC Column : RTX-502.2
 %Solids : 85
 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 : L2540011-02
 Client ID : UST-S2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : J250701A08
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : 06/25/25 13:30
 Date Received : 06/25/25
 Date Analyzed : 07/01/25 06:34
 Dilution Factor : 1
 Analyst : MCM
 Instrument ID : JACK
 GC Column : RTX-502.2
 %Solids : 85
 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 : L2540011-02
 Client ID : UST-S2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V04250630B17
 Sample Amount : 5.8 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : 06/25/25 13:30
 Date Received : 06/25/25
 Date Analyzed : 06/30/25 19:04
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA104
 GC Column : RTX-VMS
 %Solids : 85
 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	0.081	0.036	U
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00028	U
75-09-2	Methylene chloride	ND	0.0051	0.0023	U
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00015	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	0.00013	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	0.00051	0.00020	U
108-90-7	Chlorobenzene	ND	0.00051	0.00013	U
75-69-4	Trichlorofluoromethane	ND	0.0041	0.00070	U
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00026	U
71-55-6	1,1,1-Trichloroethane	ND	0.00051	0.00017	U
75-27-4	Bromodichloromethane	ND	0.00051	0.00011	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.0010	0.00028	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.00051	0.00016	U
542-75-6	1,3-Dichloropropene, Total	ND	0.00051	0.00016	U
75-25-2	Bromoform	ND	0.0041	0.00025	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.00051	0.00017	U
71-43-2	Benzene	ND	0.00051	0.00017	U
108-88-3	Toluene	ND	0.0010	0.00055	U
100-41-4	Ethylbenzene	ND	0.0010	0.00014	U
74-87-3	Chloromethane	ND	0.0041	0.00095	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540011-02
 Client ID : UST-S2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V04250630B17
 Sample Amount : 5.8 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : 06/25/25 13:30
 Date Received : 06/25/25
 Date Analyzed : 06/30/25 19:04
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA104
 GC Column : RTX-VMS
 %Solids : 85
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
74-83-9	Bromomethane	ND	0.0020	0.00059	U
75-01-4	Vinyl chloride	ND	0.0010	0.00034	U
75-00-3	Chloroethane	ND	0.0020	0.00046	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	0.00051	0.00014	U
95-50-1	1,2-Dichlorobenzene	ND	0.0020	0.00015	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	0.00057	U
95-47-6	o-Xylene	ND	0.0010	0.00030	U
1330-20-7	Xylenes, Total	ND	0.0010	0.00030	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	0.00093	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	0.00021	U
98-82-8	Isopropylbenzene	ND	0.0010	0.00011	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.0020	0.00033	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540011-02
 Client ID : UST-S2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V04250630B17
 Sample Amount : 5.8 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : 06/25/25 13:30
 Date Received : 06/25/25
 Date Analyzed : 06/30/25 19:04
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA104
 GC Column : RTX-VMS
 %Solids : 85
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0020	0.00028	U
79-20-9	Methyl Acetate	ND	0.0041	0.00096	U
110-82-7	Cyclohexane	ND	0.010	0.00055	U
108-87-2	Methyl cyclohexane	0.0013	0.0041	0.00061	J
76-13-1	Freon-113	ND	0.0041	0.00070	U



Tentatively Identified Compounds
Form 1
Volatile Organics by EPA 5035

Client : Phoenix Environmental
Project Name : RAMSEY SD
Lab ID : L2540011-02
Client ID : UST-S2
Sample Location : RAMSEY, NJ
Sample Matrix : SOIL
Analytical Method : 1,8260D
Lab File ID : V04250630B17
Sample Amount :
Level :
Extract Volume (MeOH) : NA

Lab Number : L2540011
Project Number : RAMSEY SD
Date Collected : 06/25/25 13:30
Date Received : 06/25/25
Date Analyzed : 06/30/25 19:04
Dilution Factor : 1
Analyst : JIC
Instrument ID : VOA104
GC Column :
%Solids : 85
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 : WG2085650-5
 Client ID : WG2085650-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : J250701A06
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 07/01/25 05:41
 Dilution Factor : 1
 Analyst : MCM
 Instrument ID : JACK
 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	0.28	0.40	0.06	J
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 : WG2085650-5
 Client ID : WG2085650-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : J250701A06
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 07/01/25 05:41
 Dilution Factor : 1
 Analyst : MCM
 Instrument ID : JACK
 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 : WG2085650-5
 Client ID : WG2085650-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : J250701A06
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 07/01/25 05:41
 Dilution Factor : 1
 Analyst : MCM
 Instrument ID : JACK
 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 : WG2085689-5
 Client ID : WG2085689-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V04250630B06
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 06/30/25 14:13
 Dilution Factor : 1
 Analyst : AJK
 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 : WG2085689-5
 Client ID : WG2085689-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V04250630B06
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 06/30/25 14:13
 Dilution Factor : 1
 Analyst : AJK
 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	0.00083	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	ND	0.0020	0.00032	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : WG2085689-5
 Client ID : WG2085689-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V04250630B06
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 06/30/25 14:13
 Dilution Factor : 1
 Analyst : AJK
 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	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 : WG2085689-5
Client ID : WG2085689-5BLANK
Sample Location :
Sample Matrix : SOIL
Analytical Method : 1,8260D
Lab File ID : V04250630B06
Sample Amount :
Level :
Extract Volume (MeOH) : NA

Lab Number : L2540011
Project Number : RAMSEY SD
Date Collected : NA
Date Received : NA
Date Analyzed : 06/30/25 14:13
Dilution Factor : 1
Analyst : AJK
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				



Tuning Results Summary

Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Phoenix Environmental	Lab Number : L2540011
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 : L2540011
Project Name : RAMSEY SD	Project Number : RAMSEY SD
Instrument ID : VOA104	Analysis Date : 06/30/25 11:40
Tune Standard : WG2085689-1	Tune File ID : V04250630BFB1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	17
75	30.0 - 80.0% of mass 95	46
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	0.9 (1)1
174	Greater than 50.0% of mass 95	90.1
175	5.0 - 9.0% of mass 174	6.6 (7.4)1
176	Greater than 95.0% but less than 101% of mass	90.4 (100.)1
177	5.0 - 9.0% of mass 176	5.9 (6.5)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
WG2085689-2CCAL	WG2085689-2	V04250630B01	06/30/25 12:01
WG2085689-3LCS	WG2085689-3	V04250630B01	06/30/25 12:01
WG2085689-4LCSD	WG2085689-4	V04250630B02	06/30/25 12:27
WG2085689-5BLANK	WG2085689-5	V04250630B06	06/30/25 14:13
UST-N2	L2540011-01	V04250630B16	06/30/25 18:37
UST-S2	L2540011-02	V04250630B17	06/30/25 19:04



Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Phoenix Environmental	Lab Number : L2540011
Project Name : RAMSEY SD	Project Number : RAMSEY SD
Instrument ID : JACK	Analysis Date : 06/24/25 03:46
Tune Standard : WG2083050-1	Tune File ID : J250624BFB3_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	22.6
75	30.0 - 80.0% of mass 95	46.5
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	0.3 (.4)1
174	Greater than 50.0% of mass 95	79.9
175	5.0 - 9.0% of mass 174	5.8 (7.3)1
176	Greater than 95.0% but less than 101% of mass	78.5 (98.3)1
177	5.0 - 9.0% of mass 176	5.6 (7.2)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	R1980815-1	J250624A02	06/24/25 04:31
STD10PPB	R1980815-2	J250624A05	06/24/25 05:50
STD30PPB	R1980815-3	J250624A06	06/24/25 06:17
STD80PPB	R1980815-5	J250624A07	06/24/25 06:43
STD120PPB	R1980815-4	J250624A08	06/24/25 07:09
STD200PPB	R1980815-7	J250624A09	06/24/25 07:36
STD2PPB	R1980815-6	J250624A14	06/24/25 09:48
STD0.5PPB	R1980815-9	J250624A16	06/24/25 11:01
ICV Quant Report	R1980815-8	J250624A17	06/24/25 11:27



Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Phoenix Environmental	Lab Number : L2540011
Project Name : RAMSEY SD	Project Number : RAMSEY SD
Instrument ID : JACK	Analysis Date : 07/01/25 03:10
Tune Standard : WG2085650-1	Tune File ID : J250701BFB1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	28.9
75	30.0 - 80.0% of mass 95	53.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.4 (.6)1
174	Greater than 50.0% of mass 95	74.6
175	5.0 - 9.0% of mass 174	6 (8.1)1
176	Greater than 95.0% but less than 101% of mass	73.7 (98.8)1
177	5.0 - 9.0% of mass 176	5 (6.8)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
WG2085650-2CCAL	WG2085650-2	J250701A02	07/01/25 03:56
WG2085650-3LCS	WG2085650-3	J250701A02	07/01/25 03:56
WG2085650-4LCSD	WG2085650-4	J250701A03	07/01/25 04:22
WG2085650-5BLANK	WG2085650-5	J250701A06	07/01/25 05:41
UST-N2	L2540011-01	J250701A07	07/01/25 06:07
UST-S2	L2540011-02	J250701A08	07/01/25 06:34



Blank Results Summary

**Method Blank Summary
Form 4
Volatiles**

Client	: Phoenix Environmental	Lab Number	: L2540011
Project Name	: RAMSEY SD	Project Number	: RAMSEY SD
Lab Sample ID	: WG2085689-5	Lab File ID	: V04250630B06
Instrument ID	: VOA104		
Matrix	: SOIL	Analysis Date	: 06/30/25 14:13

Client Sample No.	Lab Sample ID	Analysis Date
WG2085689-3LCS	WG2085689-3	06/30/25 12:01
WG2085689-4LCSD	WG2085689-4	06/30/25 12:27
UST-N2	L2540011-01	06/30/25 18:37
UST-S2	L2540011-02	06/30/25 19:04

**Method Blank Summary
Form 4
Volatiles**

Client	: Phoenix Environmental	Lab Number	: L2540011
Project Name	: RAMSEY SD	Project Number	: RAMSEY SD
Lab Sample ID	: WG2085650-5	Lab File ID	: J250701A06
Instrument ID	: JACK		
Matrix	: SOIL	Analysis Date	: 07/01/25 05:41

Client Sample No.	Lab Sample ID	Analysis Date
WG2085650-3LCS	WG2085650-3	07/01/25 03:56
WG2085650-4LCSD	WG2085650-4	07/01/25 04:22
UST-N2	L2540011-01	07/01/25 06:07
UST-S2	L2540011-02	07/01/25 06:34

Standards Data Summary

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 : L2540011
 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 : L2540011
 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 : L2540011
 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 : JACK
 Calibration dates : 06/24/25 04:31 06/24/25 11:01

Lab Number : L2540011
 Project Number : RAMSEY SD
 Ical Ref : ICAL22416

Calibration Files

L11 =J250624A02.D L1 =J250624A16.D L2 =J250624A14.D L3 =J250624A05.D L4 =J250624A06.D
 L6 =J250624A07.D L8 =J250624A08.D L10 =J250624A09.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----									
2) TP Dichlorodifluo		0.213	0.312	0.311	0.295	0.288	0.289	0.277	0.284	11.82
3) TP Chloromethane		0.437	0.496	0.456	0.452	0.428	0.424	0.418	0.444	6.05
4) TP Vinyl chloride	0.331	0.310	0.426	0.381	0.369	0.354	0.350	0.336	0.357	9.97
5) TP Bromomethane		0.134	0.154	0.145	0.151	0.152	0.155	0.150	0.149	4.88
6) TP Chloroethane		0.179	0.204	0.185	0.180	0.165	0.159	0.141	0.173	11.65
7) TP Trichlorofluor		0.332	0.413	0.410	0.396	0.385	0.380	0.360	0.382	7.50
8) TP Ethyl ether		0.119	0.134	0.136	0.141	0.137	0.135	0.134	0.134	5.17
10) TP 1,1-Dichloroet		0.206	0.250	0.243	0.240	0.231	0.230	0.226	0.232	6.21
11) TP Carbon disulfide		0.717	0.826	0.772	0.748	0.724	0.727	0.710	0.746	5.52
12) TP Freon-113		0.198	0.222	0.254	0.241	0.238	0.243	0.237	0.233	7.74
13) TP Iodomethane		0.251	0.240	0.246	0.272	0.274	0.275	0.270	0.261	5.71
14) TP Acrolein			0.042	0.047	0.050	0.047	0.049	0.050	0.047	6.44
15) TP Methylene chlo		0.286	0.302	0.264	0.267	0.251	0.250	0.243	0.266	8.02
17) TP Acetone			0.121	0.091	0.093	0.084	0.085	0.085	0.093	15.19
18) TP trans-1,2-Dich		0.225	0.288	0.257	0.261	0.247	0.245	0.240	0.252	7.75
19) TP Methyl acetate		0.289	0.217	0.204	0.231	0.222	0.223	0.223	0.230	11.93
21) TP Methyl tert butyl ether		0.649	0.718	0.675	0.738	0.714	0.719	0.712	0.704	4.35
22) TP tert-Butyl alc		0.022	0.028	0.028	0.035	0.029	0.031	0.030	0.029	13.36
24) TP Diisopropyl ether		1.063	1.163	1.113	1.227	1.166	1.172	1.153	1.151	4.44
25) TP 1,1-Dichloroet		0.513	0.603	0.565	0.566	0.536	0.535	0.522	0.549	5.73
26) TP Halothane		0.177	0.210	0.201	0.208	0.200	0.202	0.197	0.199	5.54
27) TP Acrylonitrile		0.061	0.106	0.099	0.113	0.106	0.107	0.107	0.100	17.59
28) TP Ethyl tert-but		0.815	0.917	0.879	0.972	0.931	0.939	0.928	0.911	5.56
29) TP Vinyl acetate		0.676	0.700	0.666	0.758	0.736	0.742	0.732	0.716	4.92
30) TP cis-1,2-Dichlo		0.266	0.316	0.280	0.286	0.271	0.269	0.263	0.279	6.53
31) TP 2,2-Dichloropr		0.382	0.437	0.406	0.412	0.392	0.392	0.378	0.400	5.08
33) TP Bromochloromet		0.117	0.139	0.127	0.128	0.117	0.116	0.111	0.122	7.93
34) TP Cyclohexane		0.487	0.499	0.638	0.625	0.614	0.627	0.615	0.586	11.01
35) TP Chloroform		0.499	0.527	0.471	0.471	0.444	0.448	0.439	0.471	6.83
36) TP Ethyl acetate		0.337	0.301	0.304	0.346	0.326	0.326	0.328	0.324	5.05
37) TP Carbon tetrachloride	0.337	0.311	0.351	0.383	0.376	0.368	0.373	0.366	0.358	6.69
38) TP Tetrahydrofuran		0.126	0.131	0.120	0.130	0.120	0.120	0.120	0.124	4.10
39) S Dibromofluoromethane	0.267	0.273	0.270	0.259	0.257	0.253	0.252	0.252	0.260	3.36
40) TP 1,1,1-Trichlor		0.360	0.411	0.422	0.420	0.401	0.403	0.398	0.402	5.12
42) TP 2-Butanone		0.163	0.124	0.123	0.149	0.140	0.143	0.145	0.141	9.91



Initial Calibration Summary

Form 6

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : JACK
 Calibration dates : 06/24/25 04:31 06/24/25 11:01

Lab Number : L2540011
 Project Number : RAMSEY SD
 Ical Ref : ICAL22416

Calibration Files

L11 =J250624A02.D L1 =J250624A16.D L2 =J250624A14.D L3 =J250624A05.D L4 =J250624A06.D
 L6 =J250624A07.D L8 =J250624A08.D L10 =J250624A09.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
43) TP 1,1-Dichloropr	0.295	0.333	0.357	0.366	0.350	0.355	0.347	0.343	6.86	
45) TP Benzene	0.987	0.906	1.107	1.070	1.117	1.067	1.071	1.050	1.047	6.61
46) TP Tertiary-Amyl Methyl Ether	0.648	0.676	0.677	0.744	0.710	0.719	0.711	0.698	4.64	
47) S 1,2-Dichloroethane-d4	0.317	0.328	0.330	0.313	0.311	0.312	0.310	0.312	0.317	2.50
48) TP 1,2-Dichloroethane	0.397	0.351	0.388	0.362	0.377	0.354	0.354	0.346	0.366	5.17
51) TP Methyl cyclohe	0.321	0.336	0.485	0.480	0.478	0.499	0.487	0.441	17.53	
52) TP Trichloroethene	0.283	0.249	0.266	0.276	0.286	0.273	0.274	0.271	0.272	4.22
54) TP Dibromomethane	0.148	0.163	0.149	0.156	0.147	0.147	0.146	0.151	4.29	
55) TP 1,2-Dichloropr	0.266	0.316	0.300	0.319	0.312	0.308	0.300	0.303	5.93	
57) TP 2-Chloroethyl	0.145	0.179	0.179	0.196	0.184	0.187	0.182	0.179	8.91	
58) TP Bromodichlorom	0.330	0.407	0.373	0.384	0.347	0.328	0.318	0.355	9.40	
61) TP 1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003#	2.80	
62) TP cis-1,3-Dichloropropene	0.379	0.387	0.446	0.422	0.461	0.432	0.435	0.427	0.424	6.58
63) I Chlorobenzene-d5	-----ISTD-----									
64) S Toluene-d8	1.324	1.306	1.325	1.341	1.338	1.340	1.331	1.321	1.328	0.90
65) TP Toluene	0.763	0.824	0.874	0.908	0.872	0.881	0.864	0.855	5.59	
66) TP 4-Methyl-2-pen	0.107	0.133	0.136	0.164	0.147	0.148	0.143	0.140	12.48	
67) TP Tetrachloroethene	0.310	0.279	0.322	0.389	0.392	0.379	0.387	0.373	0.354	12.38
69) TP trans-1,3-Dichloropropene	0.471	0.462	0.488	0.491	0.541	0.508	0.512	0.495	0.496	5.00
71) TP Ethyl methacry	0.374	0.429	0.426	0.469	0.427	0.427	0.416	0.424	6.55	
72) TP 1,1,2-Trichlor	0.241	0.244	0.235	0.280	0.260	0.260	0.253	0.253	6.00	
73) TP Chlorodibromom	0.314	0.352	0.348	0.385	0.360	0.366	0.354	0.354	6.08	
74) TP 1,3-Dichloropr	0.464	0.505	0.484	0.527	0.492	0.490	0.476	0.491	4.15	
75) TP 1,2-Dibromoethane	0.297	0.312	0.292	0.321	0.302	0.302	0.294	0.303	3.48	
77) TP 2-Hexanone	0.333	0.287	0.287	0.341	0.291	0.298	0.283	0.303	7.92	
78) T Chlorobenzene	0.851	0.976	0.952	1.017	0.952	0.965	0.942	0.951	5.29	
79) TP Ethylbenzene	1.413	1.546	1.708	1.779	1.679	1.717	1.667	1.644	7.54	
80) T 1,1,1,2-Tetrac	0.276	0.329	0.341	0.375	0.350	0.352	0.342	0.338	9.11	
81) TP p/m Xylene	0.561	0.629	0.685	0.703	0.662	0.664	0.634	0.648	7.19	
82) TP o Xylene	0.552	0.619	0.668	0.702	0.655	0.654	0.620	0.639	7.47	
83) TP Styrene	0.966	1.056	1.097	1.165	1.080	1.081	1.017	1.066	5.90	
84) I 1,4-Dichlorobenzene-d4	-----ISTD-----									
85) TP Bromoform	0.359	0.389	0.407	0.457	0.433	0.451	0.431	0.418	8.42	
87) TP Isopropylbenzene	2.290	2.527	3.053	3.093	3.003	3.118	3.002	2.869	11.33	
88) S 4-Bromofluorobenzene	0.891	0.889	0.896	0.888	0.880	0.884	0.905	0.884	0.890	0.92
89) TP Bromobenzene	0.623	0.689	0.705	0.734	0.706	0.735	0.702	0.699	5.39	



Initial Calibration Summary

Form 6

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : JACK
 Calibration dates : 06/24/25 04:31 06/24/25 11:01

Lab Number : L2540011
 Project Number : RAMSEY SD
 Ical Ref : ICAL22416

Calibration Files

L11 =J250624A02.D L1 =J250624A16.D L2 =J250624A14.D L3 =J250624A05.D L4 =J250624A06.D
 L6 =J250624A07.D L8 =J250624A08.D L10 =J250624A09.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
90) TP n-Propylbenzene	2.816	3.060	3.666	3.721	3.592	3.670	3.475	3.429	10.24	
91) TP 1,4-Dichlorobu	1.093	1.140	1.156	1.257	1.180	1.217	1.163	1.172	4.53	
92) TP 1,1,2,2-Tetrachloroethane	0.735	0.627	0.722	0.694	0.786	0.708	0.730	0.694	0.712	6.37
93) TP 4-Ethyltoluene	2.321	2.560	3.047	3.104	2.978	3.048	2.889	2.850	10.37	
94) TP 2-Chlorotoluene	2.126	2.140	2.388	2.472	2.357	2.422	2.319	2.318	5.83	
95) TP 1,3,5-Trimethy	1.983	2.217	2.583	2.685	2.571	2.599	2.477	2.445	10.32	
96) TP 1,2,3-Trichlor	0.480	0.555	0.550	0.610	0.557	0.574	0.556	0.555	7.04	
97) TP trans-1,4-Dich	0.225	0.268	0.250	0.284	0.256	0.266	0.255	0.258	7.10	
98) TP 4-Chlorotoluene	1.899	2.025	2.184	2.274	2.178	2.232	2.111	2.129	6.10	
99) TP tert-Butylbenzene	1.790	1.776	2.203	2.278	2.172	2.220	2.095	2.076	10.01	
102) TP 1,2,4-Trimethy	2.092	2.199	2.523	2.629	2.488	2.519	2.406	2.408	8.03	
103) TP sec-Butylbenzene	2.502	2.577	3.341	3.386	3.256	3.306	3.145	3.073	12.14	
104) TP p-Isopropyltol	2.070	2.270	2.904	2.967	2.808	2.829	2.717	2.652	12.94	
105) TP 1,3-Dichlorobe	1.241	1.329	1.449	1.517	1.418	1.431	1.378	1.395	6.42	
106) TP 1,4-Dichlorobe	1.301	1.374	1.452	1.528	1.419	1.424	1.378	1.411	5.02	
107) TP p-Diethylbenzene	1.268	1.353	1.705	1.780	1.629	1.676	1.635	1.578	12.12	
108) TP n-Butylbenzene	1.873	1.914	2.518	2.558	2.366	2.433	2.373	2.291	12.24	
109) TP 1,2-Dichlorobe	1.178	1.258	1.337	1.443	1.308	1.329	1.286	1.306	6.20	
110) TP 1,2,4,5-Tetram	1.943	2.031	2.425	2.571	2.380	2.502	2.383	2.319	10.27	
111) TP 1,2-Dibromo-3-	0.113	0.131	0.128	0.148	0.128	0.133	0.126	0.130	8.03	
112) TP 1,3,5-Trichlor	0.890	0.848	0.991	1.053	0.978	1.003	0.957	0.960	7.28	
113) TP Hexachlorobuta	0.294	0.318	0.405	0.411	0.384	0.409	0.395	0.374	12.80	
114) TP 1,2,4-Trichlor	0.785	0.784	0.870	0.936	0.852	0.876	0.836	0.849	6.30	
115) TP Naphthalene	2.279	2.145	2.229	2.550	2.238	2.298	2.185	2.275	5.80	
116) TP 1,2,3-Trichlor	0.775	0.732	0.780	0.870	0.769	0.788	0.753	0.781	5.56	



Calibration Verification Summary

Form 7

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA104
 Lab File ID : V04250630B01
 Sample No : WG2085689-2
 Channel :

Lab Number : L2540011
 Project Number : RAMSEY SD
 Calibration Date : 06/30/25 12:01
 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	146	0
Dichlorodifluoromethane	0.359	0.312	-	13.1	20	119	0
Chloromethane	0.331	0.3	-	9.4	20	141	0
Vinyl chloride	0.382	0.341	-	10.7	20	130	0
Bromomethane	0.316	0.232	-	26.6*	20	121	0
Chloroethane	0.234	0.17	-	27.4*	20	104	0
Trichlorofluoromethane	0.536	0.423	-	21.1*	20	105	0
Ethyl ether	0.128	0.12	-	6.3	20	139	0
1,1-Dichloroethene	0.268	0.257	-	4.1	20	138	0
Carbon disulfide	0.952	0.898	-	5.7	20	141	0
Freon-113	0.267	0.28	-	-4.9	20	136	0
Acrolein	0.026	0.024	-	7.7	20	144	0
Methylene chloride	0.325	0.27	-	16.9	20	133	0
Acetone	0.057	0.043	-	24.6*	20	121	0
trans-1,2-Dichloroethene	0.295	0.272	-	7.8	20	137	0
Methyl acetate	40	34.817	-	13	20	138	0
Methyl tert-butyl ether	0.651	0.567	-	12.9	20	127	0
tert-Butyl alcohol	0.019	0.015	-	21.1*	20	119	0
Diisopropyl ether	0.714	0.676	-	5.3	20	138	0
1,1-Dichloroethane	0.533	0.466	-	12.6	20	130	0
Halothane	0.223	0.21	-	5.8	20	135	0
Acrylonitrile	0.044	0.04	-	9.1	20	136	0
Ethyl tert-butyl ether	0.735	0.637	-	13.3	20	127	0
Vinyl acetate	0.3	0.31	-	-3.3	20	147	0
cis-1,2-Dichloroethene	0.316	0.283	-	10.4	20	133	0
2,2-Dichloropropane	0.468	0.401	-	14.3	20	130	0
Bromochloromethane	0.144	0.126	-	12.5	20	128	0
Cyclohexane	0.404	0.406	-	-0.5	20	140	0
Chloroform	0.551	0.446	-	19.1	20	124	0
Ethyl acetate	0.132	0.115	-	12.9	20	126	0
Carbon tetrachloride	0.437	0.367	-	16	20	119	0
Tetrahydrofuran	0.058	0.044	-	24.1*	20	123	0
Dibromofluoromethane	0.287	0.253	-	11.8	20	131	0
1,1,1-Trichloroethane	0.465	0.398	-	14.4	20	124	0
2-Butanone	0.056	0.047	-	16.1	20	129	0
1,1-Dichloropropene	0.332	0.323	-	2.7	20	131	0
Benzene	1.024	0.909	-	11.2	20	130	0
tert-Amyl methyl ether	0.642	0.545	-	15.1	20	126	0
1,2-Dichloroethane-d4	0.258	0.204	-	20.9*	20	120	0
1,2-Dichloroethane	0.344	0.264	-	23.3*	20	115	0
Methyl cyclohexane	0.424	0.422	-	0.5	20	136	0
Trichloroethene	0.307	0.264	-	14	20	129	0
Dibromomethane	0.169	0.137	-	18.9	20	123	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 : V04250630B01
 Sample No : WG2085689-2
 Channel :

Lab Number : L2540011
 Project Number : RAMSEY SD
 Calibration Date : 06/30/25 12:01
 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	0.236	-	12.3	20	130	0
2-Chloroethyl vinyl ether	40	36.985	-	7.5	20	154	0
Bromodichloromethane	0.427	0.327	-	23.4*	20	119	0
1,4-Dioxane	0.0016	0.00135*	-	15.6	20	115	0
cis-1,3-Dichloropropene	0.42	0.369	-	12.1	20	125	0
Chlorobenzene-d5	1	1	-	0	20	147	0
Toluene-d8	1.363	1.247	-	8.5	20	133	0
Toluene	0.949	0.783	-	17.5	20	130	0
4-Methyl-2-pentanone	0.077	0.068	-	11.7	20	123	0
Tetrachloroethene	0.392	0.401	-	-2.3	20	144	0
trans-1,3-Dichloropropene	0.476	0.412	-	13.4	20	123	0
Ethyl methacrylate	0.334	0.273	-	18.3	20	124	0
1,1,2-Trichloroethane	0.252	0.206	-	18.3	20	124	0
Chlorodibromomethane	0.409	0.335	-	18.1	20	119	0
1,3-Dichloropropane	0.445	0.39	-	12.4	20	127	0
1,2-Dibromoethane	0.286	0.247	-	13.6	20	122	0
2-Hexanone	0.134	0.105	-	21.6*	20	114	0
Chlorobenzene	1.048	0.911	-	13.1	20	130	0
Ethylbenzene	1.806	1.532	-	15.2	20	130	0
1,1,1,2-Tetrachloroethane	0.391	0.327	-	16.4	20	121	0
p/m Xylene	0.681	0.576	-	15.4	20	127	0
o Xylene	0.687	0.568	-	17.3	20	127	0
Styrene	1.12	0.905	-	19.2	20	125	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	142	0
Bromoform	0.453	0.374	-	17.4	20	116	0
Isopropylbenzene	3.359	2.857	-	14.9	20	127	0
4-Bromofluorobenzene	0.902	0.808	-	10.4	20	129	0
Bromobenzene	0.85	0.759	-	10.7	20	132	0
n-Propylbenzene	3.963	3.422	-	13.7	20	129	0
1,4-Dichlorobutane	0.817	0.666	-	18.5	20	120	0
1,1,2,2-Tetrachloroethane	0.704	0.553	-	21.4*	20	119	0
4-Ethyltoluene	3.244	2.832	-	12.7	20	130	0
2-Chlorotoluene	2.332	1.958	-	16	20	127	0
1,3,5-Trimethylbenzene	2.88	2.385	-	17.2	20	125	0
1,2,3-Trichloropropane	0.485	0.384	-	20.8*	20	117	0
trans-1,4-Dichloro-2-buten	0.171	0.13	-	24*	20	110	0
4-Chlorotoluene	2.37	2.022	-	14.7	20	130	0
tert-Butylbenzene	2.402	2.069	-	13.9	20	129	0
1,2,4-Trimethylbenzene	2.804	2.355	-	16	20	127	0
sec-Butylbenzene	3.63	3.16	-	12.9	20	128	0
p-Isopropyltoluene	3.077	2.736	-	11.1	20	132	0
1,3-Dichlorobenzene	1.554	1.4	-	9.9	20	132	0
1,4-Dichlorobenzene	1.634	1.408	-	13.8	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 : V04250630B01
Sample No : WG2085689-2
Channel :

Lab Number : L2540011
Project Number : RAMSEY SD
Calibration Date : 06/30/25 12:01
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	1.644	-	9.1	20	138	0
n-Butylbenzene	2.684	2.432	-	9.4	20	132	0
1,2-Dichlorobenzene	1.464	1.283	-	12.4	20	130	0
1,2,4,5-Tetramethylbenzene	2.697	2.485	-	7.9	20	139	0
1,2-Dibromo-3-chloropropan	0.099	0.087	-	12.1	20	121	0
1,3,5-Trichlorobenzene	1.186	1.216	-	-2.5	20	155	0
Hexachlorobutadiene	0.598	0.657	-	-9.9	20	161	0
1,2,4-Trichlorobenzene	0.94	0.956	-	-1.7	20	151	0
Naphthalene	1.598	1.383	-	13.5	20	130	0
1,2,3-Trichlorobenzene	0.779	0.749	-	3.9	20	143	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : JACK
 Lab File ID : J250701A02
 Sample No : WG2085650-2
 Channel :

Lab Number : L2540011
 Project Number : RAMSEY SD
 Calibration Date : 07/01/25 03:56
 Init. Calib. Date(s) : 06/24/25 06/24/25
 Init. Calib. Times : 04:31 11:01

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	66	0
Dichlorodifluoromethane	0.284	0.277	-	2.5	20	59	0
Chloromethane	0.444	0.484	-	-9	20	71	-.02
Vinyl chloride	0.357	0.395	-	-10.6	20	69	0
Bromomethane	0.149	0.134	-	10.1	20	61	0
Chloroethane	0.173	0.201	-	-16.2	20	72	0
Trichlorofluoromethane	0.382	0.38	-	0.5	20	62	0
Ethyl ether	0.134	0.113	-	15.7	20	55	0
1,1-Dichloroethene	0.232	0.212	-	8.6	20	58	0
Carbon disulfide	0.746	0.754	-	-1.1	20	65	0
Freon-113	0.233	0.219	-	6	20	57	0
Acrolein	0.047	0.036	-	23.4*	20	52	0
Methylene chloride	0.266	0.251	-	5.6	20	63	0
Acetone	0.093	0.086	-	7.5	20	63	-.01
trans-1,2-Dichloroethene	0.252	0.227	-	9.9	20	59	-.01
Methyl acetate	0.23	0.192	-	16.5	20	63	0
Methyl tert-butyl ether	0.704	0.55	-	21.9*	20	54	0
tert-Butyl alcohol	0.029	0.018	-	37.9*	20	44	-.01
Diisopropyl ether	1.151	1.101	-	4.3	20	66	0
1,1-Dichloroethane	0.549	0.55	-	-0.2	20	65	0
Halothane	0.199	0.172	-	13.6	20	57	0
Acrylonitrile	0.1	0.098	-	2	20	65	0
Ethyl tert-butyl ether	0.911	0.755	-	17.1	20	57	0
Vinyl acetate	0.716	0.654	-	8.7	20	65	0
cis-1,2-Dichloroethene	0.279	0.251	-	10	20	60	0
2,2-Dichloropropane	0.4	0.398	-	0.5	20	65	0
Bromochloromethane	0.122	0.11	-	9.8	20	57	0
Cyclohexane	0.586	0.607	-	-3.6	20	63	0
Chloroform	0.471	0.433	-	8.1	20	61	0
Ethyl acetate	0.324	0.278	-	14.2	20	61	0
Carbon tetrachloride	0.358	0.321	-	10.3	20	56	0
Tetrahydrofuran	0.124	0.104	-	16.1	20	58	0
Dibromofluoromethane	0.26	0.259	-	0.4	20	66	0
1,1,1-Trichloroethane	0.402	0.381	-	5.2	20	60	0
2-Butanone	0.141	0.107	-	24.1*	20	58	0
1,1-Dichloropropene	0.343	0.312	-	9	20	58	0
Benzene	1.047	0.973	-	7.1	20	60	0
tert-Amyl methyl ether	0.698	0.558	-	20.1*	20	55	0
1,2-Dichloroethane-d4	0.317	0.332	-	-4.7	20	71	0
1,2-Dichloroethane	0.366	0.351	-	4.1	20	64	0
Methyl cyclohexane	0.441	0.418	-	5.2	20	57	0
Trichloroethene	0.272	0.247	-	9.2	20	59	0
Dibromomethane	0.151	0.136	-	9.9	20	61	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : JACK
 Lab File ID : J250701A02
 Sample No : WG2085650-2
 Channel :

Lab Number : L2540011
 Project Number : RAMSEY SD
 Calibration Date : 07/01/25 03:56
 Init. Calib. Date(s) : 06/24/25 06/24/25
 Init. Calib. Times : 04:31 11:01

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.303	0.284	-	6.3	20	63	0
2-Chloroethyl vinyl ether	0.179	0.149	-	16.8	20	55	0
Bromodichloromethane	0.355	0.325	-	8.5	20	58	0
1,4-Dioxane	0.00262	0.00196*	-	25.2*	20	52	-.01
cis-1,3-Dichloropropene	0.424	0.369	-	13	20	58	0
Chlorobenzene-d5	1	1	-	0	20	65	0
Toluene-d8	1.328	1.383	-	-4.1	20	67	0
Toluene	0.855	0.815	-	4.7	20	61	0
4-Methyl-2-pentanone	0.14	0.118	-	15.7	20	56	0
Tetrachloroethene	0.354	0.32	-	9.6	20	54	0
trans-1,3-Dichloropropene	0.496	0.436	-	12.1	20	58	0
Ethyl methacrylate	0.424	0.378	-	10.8	20	58	0
1,1,2-Trichloroethane	0.253	0.222	-	12.3	20	62	0
Chlorodibromomethane	0.354	0.286	-	19.2	20	53	0
1,3-Dichloropropane	0.491	0.435	-	11.4	20	59	0
1,2-Dibromoethane	0.303	0.256	-	15.5	20	57	0
2-Hexanone	0.303	0.269	-	11.2	20	61	0
Chlorobenzene	0.951	0.872	-	8.3	20	60	0
Ethylbenzene	1.644	1.642	-	0.1	20	63	0
1,1,1,2-Tetrachloroethane	0.338	0.292	-	13.6	20	56	0
p/m Xylene	0.648	0.626	-	3.4	20	60	0
o Xylene	0.639	0.608	-	4.9	20	59	0
Styrene	1.066	1.008	-	5.4	20	60	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	66	0
Bromoform	0.418	0.324	-	22.5*	20	53	0
Isopropylbenzene	2.869	2.738	-	4.6	20	60	0
4-Bromofluorobenzene	0.89	0.865	-	2.8	20	65	0
Bromobenzene	0.699	0.595	-	14.9	20	56	0
n-Propylbenzene	3.429	3.496	-	-2	20	63	0
1,4-Dichlorobutane	1.172	1.139	-	2.8	20	65	0
1,1,2,2-Tetrachloroethane	0.712	0.651	-	8.6	20	62	0
4-Ethyltoluene	2.85	2.79	-	2.1	20	61	0
2-Chlorotoluene	2.318	2.283	-	1.5	20	64	0
1,3,5-Trimethylbenzene	2.445	2.37	-	3.1	20	61	0
1,2,3-Trichloropropane	0.555	0.527	-	5	20	64	0
trans-1,4-Dichloro-2-buten	0.258	0.255	-	1.2	20	68	0
4-Chlorotoluene	2.129	2.086	-	2	20	63	0
tert-Butylbenzene	2.076	1.949	-	6.1	20	59	0
1,2,4-Trimethylbenzene	2.408	2.331	-	3.2	20	61	0
sec-Butylbenzene	3.073	3.097	-	-0.8	20	62	0
p-Isopropyltoluene	2.652	2.611	-	1.5	20	60	0
1,3-Dichlorobenzene	1.395	1.279	-	8.3	20	59	0
1,4-Dichlorobenzene	1.411	1.279	-	9.4	20	58	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : JACK
 Lab File ID : J250701A02
 Sample No : WG2085650-2
 Channel :

Lab Number : L2540011
 Project Number : RAMSEY SD
 Calibration Date : 07/01/25 03:56
 Init. Calib. Date(s) : 06/24/25 06/24/25
 Init. Calib. Times : 04:31 11:01

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.578	1.522	-	3.5	20	59	0
n-Butylbenzene	2.291	2.403	-	-4.9	20	63	0
1,2-Dichlorobenzene	1.306	1.173	-	10.2	20	58	0
1,2,4,5-Tetramethylbenzene	2.319	2.094	-	9.7	20	57	0
1,2-Dibromo-3-chloropropan	0.13	0.103	-	20.8*	20	54	0
1,3,5-Trichlorobenzene	0.96	0.838	-	12.7	20	56	0
Hexachlorobutadiene	0.374	0.337	-	9.9	20	55	0
1,2,4-Trichlorobenzene	0.849	0.726	-	14.5	20	55	0
Naphthalene	2.275	1.882	-	17.3	20	56	0
1,2,3-Trichlorobenzene	0.781	0.673	-	13.8	20	57	0

* Value outside of QC limits.



Surrogate Summary

Surrogate Recovery Summary

Form 2

Volatiles

Client: Phoenix Environmental
Project Name: RAMSEY SD

Lab Number: L2540011
Project Number: RAMSEY SD
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
UST-N2 (L2540011-01)	109	100	103	104	0
UST-S2 (L2540011-02)	110	101	104	101	0
WG2085650-3LCS	105	104	97	99	0
WG2085650-4LCSD	107	103	100	100	0
WG2085650-5BLANK	110	103	103	103	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: L2540011
Project Number: RAMSEY SD
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
UST-N2 (L2540011-01)	86	90	89	92	0
UST-S2 (L2540011-02)	86	90	91	93	0
WG2085689-3LCS	79	92	90	88	0
WG2085689-4LCSD	78	91	91	86	0
WG2085689-5BLANK	86	89	86	92	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 : L2540011
 Project Name : RAMSEY SD Project Number : RAMSEY SD
 Matrix (Level) : SOIL (LOW)
 LCS Sample ID : WG2085650-3 Analysis Date : 07/01/25 03:56 File ID : J250701A02
 LCSD Sample ID : WG2085650-4 Analysis Date : 07/01/25 04:22 File ID : J250701A03

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	8.0	80	10	8.3	83	4	40-160	20
1,4-Dioxane	500	370	74	500	350	70	6	40-160	20
1,2-Dibromoethane	10	8.4	84	10	8.5	85	1	70-130	20
Methylene chloride	10	9.4	94	10	9.5	95	1	70-130	20
1,1-Dichloroethane	10	10	100	10	10	100	0	70-130	20
Chloroform	10	9.2	92	10	9.3	93	1	70-130	20
Carbon tetrachloride	10	9.0	90	10	9.3	93	3	70-130	20
1,2-Dichloropropane	10	9.4	94	10	9.4	94	0	70-130	20
Dibromochloromethane	10	8.1	81	10	8.4	84	4	70-130	20
1,1,2-Trichloroethane	10	8.8	88	10	8.7	87	1	70-130	20
Tetrachloroethene	10	9.0	90	10	9.3	93	3	70-130	20
Chlorobenzene	10	9.2	92	10	9.2	92	0	70-130	20
Trichlorofluoromethane	10	9.9	99	10	10	100	1	40-160	20
1,2-Dichloroethane	10	9.6	96	10	9.6	96	0	70-130	20
1,1,1-Trichloroethane	10	9.5	95	10	9.5	95	0	70-130	20
Bromodichloromethane	10	9.1	91	10	9.6	96	5	70-130	20
trans-1,3-Dichloropropene	10	8.8	88	10	9.0	90	2	70-130	20
cis-1,3-Dichloropropene	10	8.7	87	10	8.9	89	2	70-130	20
Bromoform	10	7.7	77	10	8.3	83	8	40-160	20
1,1,2,2-Tetrachloroethane	10	9.1	91	10	9.5	95	4	40-160	20
Benzene	10	9.3	93	10	9.4	94	1	70-130	20
Toluene	10	9.5	95	10	9.4	94	1	70-130	20
Ethylbenzene	10	10	100	10	9.8	98	2	70-130	20
Chloromethane	10	11	110	10	11	110	0	40-160	20
Bromomethane	10	9.0	90	10	8.9	89	1	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 : L2540011
 Project Name : RAMSEY SD Project Number : RAMSEY SD
 Matrix (Level) : SOIL (LOW)
 LCS Sample ID : WG2085650-3 Analysis Date : 07/01/25 03:56 File ID : J250701A02
 LCSD Sample ID : WG2085650-4 Analysis Date : 07/01/25 04:22 File ID : J250701A03

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	12	120	10	11	110	9	40-160	20
1,1-Dichloroethene	10	9.1	91	10	9.7	97	6	70-130	20
trans-1,2-Dichloroethene	10	9.0	90	10	9.3	93	3	70-130	20
Trichloroethene	10	9.1	91	10	9.3	93	2	70-130	20
1,2-Dichlorobenzene	10	9.0	90	10	9.3	93	3	70-130	20
1,3-Dichlorobenzene	10	9.2	92	10	9.5	95	3	70-130	20
1,4-Dichlorobenzene	10	9.1	91	10	9.4	94	3	70-130	20
Methyl tert butyl ether	10	7.8	78	10	8.0	80	3	70-130	20
p/m-Xylene	20	19	95	20	20	100	5	70-130	20
o-Xylene	20	19	95	20	19	95	0	70-130	20
cis-1,2-Dichloroethene	10	9.0	90	10	8.9	89	1	70-130	20
Styrene	20	19	95	20	19	95	0	40-160	20
Dichlorodifluoromethane	10	9.8	98	10	9.9	99	1	40-160	20
Acetone	10	9.2	92	10	9.6	96	4	40-160	20
Carbon disulfide	10	10	100	10	10	100	0	40-160	20
2-Butanone	10	7.6	76	10	7.4	74	3	40-160	20
4-Methyl-2-pentanone	10	8.4	84	10	8.5	85	1	40-160	20
2-Hexanone	10	8.9	89	10	9.1	91	2	40-160	20
Bromochloromethane	10	9.0	90	10	9.0	90	0	70-130	20
Isopropylbenzene	10	9.5	95	10	10	100	5	70-130	20
1,2,3-Trichlorobenzene	10	8.6	86	10	8.7	87	1	70-130	20
1,2,4-Trichlorobenzene	10	8.6	86	10	8.7	87	1	70-130	20
Methyl Acetate	10	8.4	84	10	8.7	87	4	70-130	20
Cyclohexane	10	10	100	10	11	110	10	70-130	20
Methyl cyclohexane	10	9.5	95	10	10	100	5	70-130	20
Freon-113	10	9.4	94	10	10	100	6	70-130	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Phoenix Environmental Lab Number : L2540011
 Project Name : RAMSEY SD Project Number : RAMSEY SD
 Matrix (Level) : SOIL (LOW)
 LCS Sample ID : WG2085689-3 Analysis Date : 06/30/25 12:01 File ID : V04250630B01
 LCSD Sample ID : WG2085689-4 Analysis Date : 06/30/25 12:27 File ID : V04250630B02

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	88	0.04	0.037	92	4	40-160	30
1,4-Dioxane	2	1.7	84	2	1.7	86	2	40-160	30
1,2-Dibromoethane	0.04	0.034	86	0.04	0.036	90	5	70-130	30
Methylene chloride	0.04	0.033	83	0.04	0.033	82	1	70-130	30
1,1-Dichloroethane	0.04	0.035	87	0.04	0.035	87	0	70-130	30
Chloroform	0.04	0.032	81	0.04	0.033	82	1	70-130	30
Carbon tetrachloride	0.04	0.034	84	0.04	0.034	85	1	70-130	30
1,2-Dichloropropane	0.04	0.035	88	0.04	0.036	90	2	70-130	30
Dibromochloromethane	0.04	0.033	82	0.04	0.034	84	2	70-130	30
1,1,2-Trichloroethane	0.04	0.033	82	0.04	0.034	84	2	70-130	30
Tetrachloroethene	0.04	0.041	102	0.04	0.042	105	3	70-130	30
Chlorobenzene	0.04	0.035	87	0.04	0.036	91	4	70-130	30
Trichlorofluoromethane	0.04	0.032	79	0.04	0.031	78	1	40-160	30
1,2-Dichloroethane	0.04	0.031	77	0.04	0.031	79	3	70-130	30
1,1,1-Trichloroethane	0.04	0.034	86	0.04	0.035	87	1	70-130	30
Bromodichloromethane	0.04	0.031	76	0.04	0.032	80	5	70-130	30
trans-1,3-Dichloropropene	0.04	0.035	86	0.04	0.035	88	2	70-130	30
cis-1,3-Dichloropropene	0.04	0.035	88	0.04	0.036	91	3	40-160	30
Bromoform	0.04	0.033	82	0.04	0.034	85	4	40-160	30
1,1,2,2-Tetrachloroethane	0.04	0.031	79	0.04	0.033	81	3	40-160	30
Benzene	0.04	0.036	89	0.04	0.036	90	1	70-130	30
Toluene	0.04	0.033	82	0.04	0.034	86	5	70-130	30
Ethylbenzene	0.04	0.034	85	0.04	0.035	88	3	70-130	30
Chloromethane	0.04	0.036	91	0.04	0.034	86	6	40-160	30
Bromomethane	0.04	0.029	74	0.04	0.028	71	4	40-160	30
Vinyl chloride	0.04	0.036	89	0.04	0.035	86	3	70-130	30



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Phoenix Environmental Lab Number : L2540011
 Project Name : RAMSEY SD Project Number : RAMSEY SD
 Matrix (Level) : SOIL (LOW)
 LCS Sample ID : WG2085689-3 Analysis Date : 06/30/25 12:01 File ID : V04250630B01
 LCSD Sample ID : WG2085689-4 Analysis Date : 06/30/25 12:27 File ID : V04250630B02

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	0.029	73	0.04	0.028	71	3	40-160	30
1,1-Dichloroethene	0.04	0.038	96	0.04	0.037	93	3	70-130	30
trans-1,2-Dichloroethene	0.04	0.037	92	0.04	0.036	91	1	70-130	30
Trichloroethene	0.04	0.034	86	0.04	0.036	90	5	70-130	30
1,2-Dichlorobenzene	0.04	0.035	88	0.04	0.036	91	3	70-130	30
1,3-Dichlorobenzene	0.04	0.036	90	0.04	0.037	94	4	70-130	30
1,4-Dichlorobenzene	0.04	0.034	86	0.04	0.036	89	3	70-130	30
Methyl tert butyl ether	0.04	0.035	87	0.04	0.034	86	1	70-130	30
p/m-Xylene	0.08	0.068	84	0.08	0.069	87	4	70-130	30
o-Xylene	0.08	0.066	83	0.08	0.069	86	4	70-130	30
cis-1,2-Dichloroethene	0.04	0.036	89	0.04	0.036	90	1	70-130	30
Styrene	0.08	0.065	81	0.08	0.067	84	4	40-160	30
Dichlorodifluoromethane	0.04	0.035	87	0.04	0.033	83	5	40-160	30
Acetone	0.04	0.030	75	0.04	0.032	80	6	40-160	30
Carbon disulfide	0.04	0.038	94	0.04	0.037	92	2	40-160	30
2-Butanone	0.04	0.034	85	0.04	0.030	74	14	40-160	30
4-Methyl-2-pentanone	0.04	0.036	89	0.04	0.037	92	3	40-160	30
2-Hexanone	0.04	0.031	78	0.04	0.032	79	1	40-160	30
Bromochloromethane	0.04	0.035	87	0.04	0.035	88	1	70-130	30
Isopropylbenzene	0.04	0.034	85	0.04	0.035	88	3	70-130	30
1,2,3-Trichlorobenzene	0.04	0.038	96	0.04	0.042	104	8	70-130	30
1,2,4-Trichlorobenzene	0.04	0.041	102	0.04	0.043	107	5	70-130	30
Methyl Acetate	0.04	0.035	87	0.04	0.035	86	1	70-130	30
Cyclohexane	0.04	0.040	100	0.04	0.041	102	2	70-130	30
Methyl cyclohexane	0.04	0.040	100	0.04	0.041	103	3	70-130	30
Freon-113	0.04	0.042	105	0.04	0.041	103	2	70-130	30



Internal Standard Summary

Internal Standard Area and RT Summary

Form 8a

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA104
 Sample No : WG2085689-2

Lab Number : L2540011
 Project Number : RAMSEY SD
 Analysis Date : 06/30/25 12:01:00
 Lab File ID : V04250630B01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2085689-2	360029	5.38	263759	8.84	136893	11.67
Upper Limit	720058	5.88	527518	9.34	273786	12.17
Lower Limit	180015	4.88	131880	8.34	68447	11.17
Sample ID						
WG2085689-3 LCS	360029	5.38	263759	8.84	136893	11.67
WG2085689-4 LCSD	344735	5.38	255441	8.84	133770	11.67
WG2085689-5 BLANK	349402	5.38	265948	8.84	151625	11.67
UST-N2	366823	5.38	271011	8.84	152885	11.68
UST-S2	374980	5.38	275973	8.84	151667	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 : JACK
 Sample No : WG2085650-2

Lab Number : L2540011
 Project Number : RAMSEY SD
 Analysis Date : 07/01/25 03:56:00
 Lab File ID : J250701A02

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2085650-2	139491	5.89	102706	9.43	60928	12.17
Upper Limit	278982	6.39	205412	9.93	121856	12.67
Lower Limit	69746	5.39	51353	8.93	30464	11.67
Sample ID						
WG2085650-3 LCS	139491	5.89	102706	9.43	60928	12.17
WG2085650-4 LCSD	140554	5.89	104417	9.43	59385	12.17
WG2085650-5 BLANK	123514	5.89	94589	9.43	53925	12.17
UST-N2	122715	5.89	94854	9.43	53386	12.17
UST-S2	123468	5.89	94434	9.43	51759	12.17

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\250630B\
 Data File : V04250630B16.D
 Acq On : 30 Jun 2025 6:37 pm
 Operator : VOA104:JIC
 Sample : L2540011-01,31,5.99,5,,Y
 Misc : WG2085689,ICAL22360
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 01 09:15:38 2025
 Quant Method : K:\VOA104\2025\250630B\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\250630B\V04250630B01.D
 Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

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

Internal Standards						
1) Fluorobenzene	5.383	96	366823	20.000	ug/L	0.00
Standard Area 1 = 360029			Recovery	=	101.89%	
59) Chlorobenzene-d5	8.843	117	271011	20.000	ug/L	0.00
Standard Area 1 = 263759			Recovery	=	102.75%	
79) 1,4-Dichlorobenzene-d4	11.680	152	152885	20.000	ug/L	0.00
Standard Area 1 = 136893			Recovery	=	111.68%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.617	113	96987	18.419	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	92.09%	
43) 1,2-Dichloroethane-d4	5.115	65	81423	17.226	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	86.13%	
60) Toluene-d8	7.029	98	330828	17.917	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	89.59%	
83) 4-Bromofluorobenzene	10.400	95	123313	17.882	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	89.41%	
Target Compounds						
2) Dichlorodifluoromethane	1.408	85	55	N.D.		
3) Chloromethane	1.566	50	55	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.896	94	136	N.D.		
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	2.557	76	2232	0.128	ug/L	94
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.029	84	2371	0.397	ug/L	87
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	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	4.360	56	1843	0.249	ug/L	92
32) Chloroform	4.460	83	1348	0.133	ug/L #	85
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\VOA104\2025\250630B\
 Data File : V04250630B16.D
 Acq On : 30 Jun 2025 6:37 pm
 Operator : VOA104:JIC
 Sample : L2540011-01,31,5.99,5,,Y
 Misc : WG2085689,ICAL22360
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 01 09:15:38 2025
 Quant Method : K:\VOA104\2025\250630B\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\250630B\V04250630B01.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	4.722	43	60		N.D.	
41) Benzene	5.005	78	367		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
47) Methylcyclohexane	5.535	83	2227	0.286	ug/L	97
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	7.092	92	2221	0.173	ug/L	93
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	7.532	166	108		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.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	8.916	91	378		N.D.	
76) p/m Xylene	9.126	106	1916M1	0.207	ug/L	
77) o Xylene	9.656	106	1416M1	0.152	ug/L	
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.	

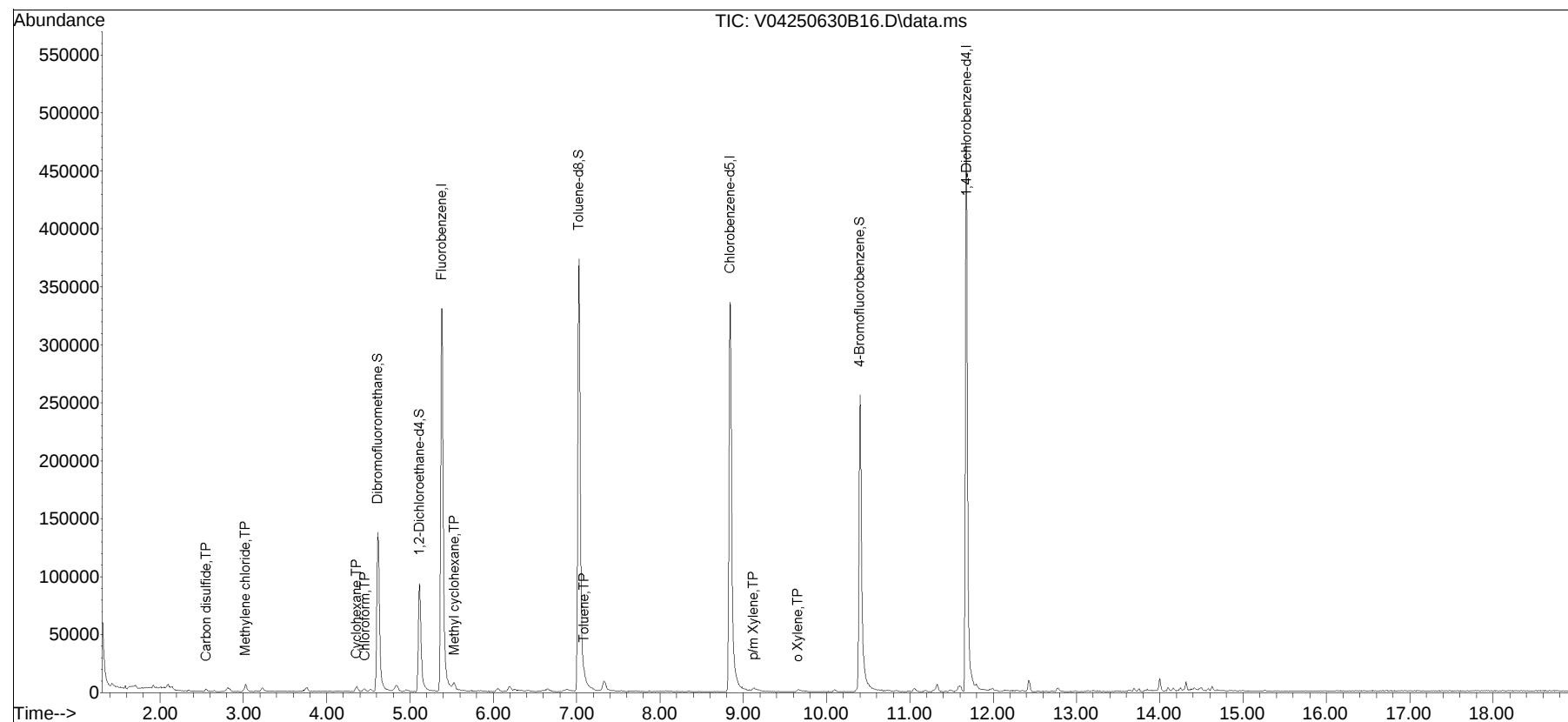
(#) = qualifier out of range (m) = manual integration (+) = signals summed

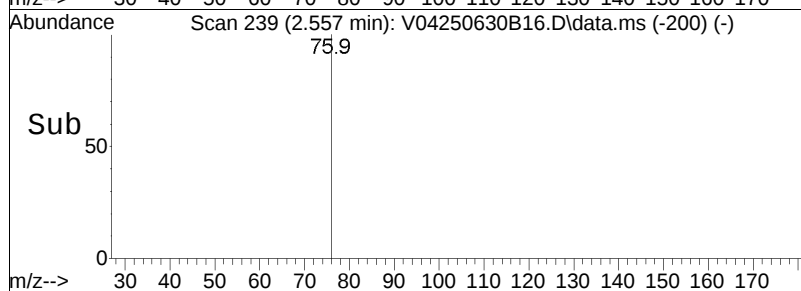
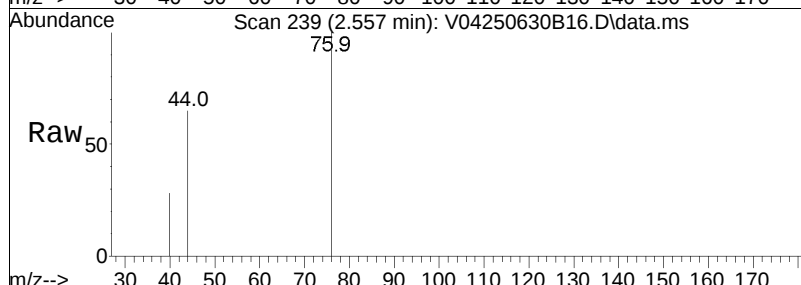
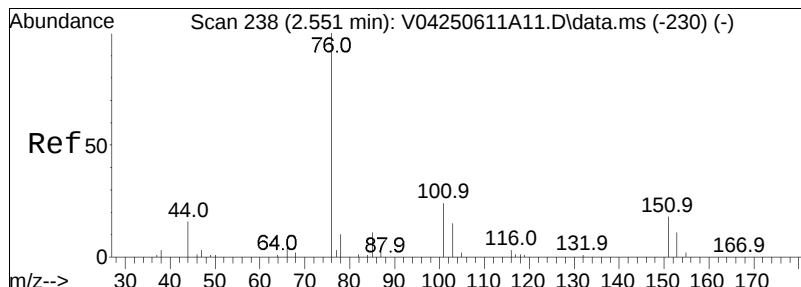
Quantitation Report (QT Reviewed)

Data Path : K:\VOA104\2025\250630B\
 Data File : V04250630B16.D
 Acq On : 30 Jun 2025 6:37 pm
 Operator : VOA104:JIC
 Sample : L2540011-01,31,5.99,5,,Y
 Misc : WG2085689,ICAL22360
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 01 09:15:38 2025
 Quant Method : K:\VOA104\2025\250630B\V104_250611A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jun 12 14:02:06 2025
 Response via : Initial Calibration

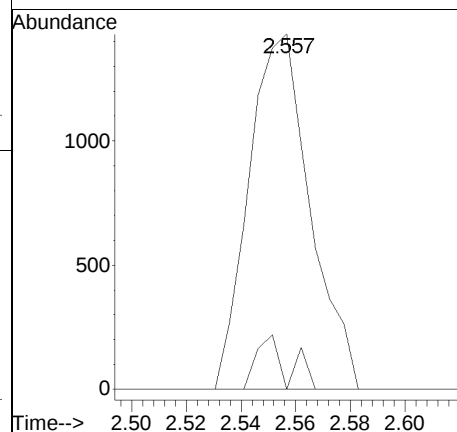
Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

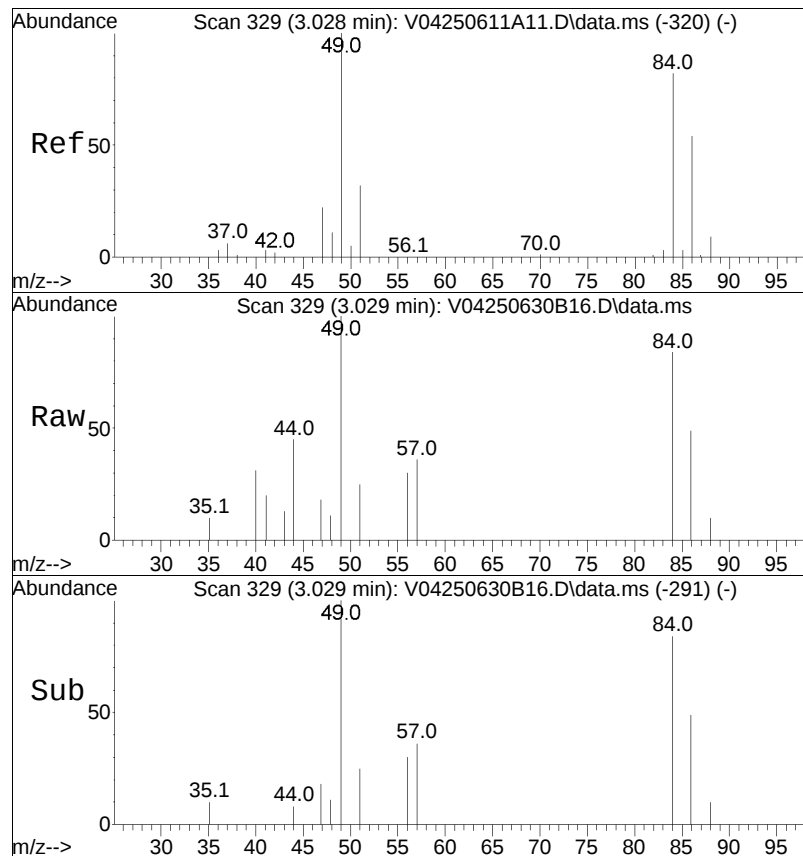




#11
Carbon disulfide
Concen: 0.13 ug/L
RT: 2.557 min Scan# 239
Delta R.T. 0.005 min
Lab File: V04250630B16.D
Acq: 30 Jun 2025 6:37 pm

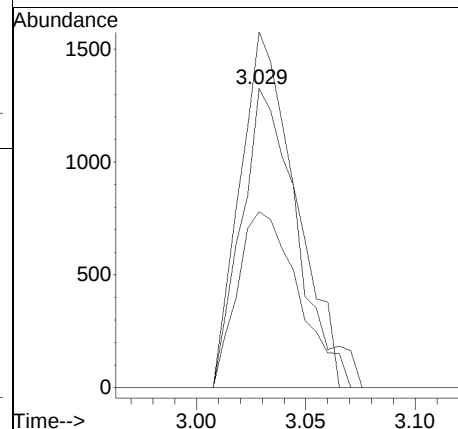
Tgt Ion: 76 Resp: 2232
Ion Ratio Lower Upper
76 100
78 7.8 6.6 13.8

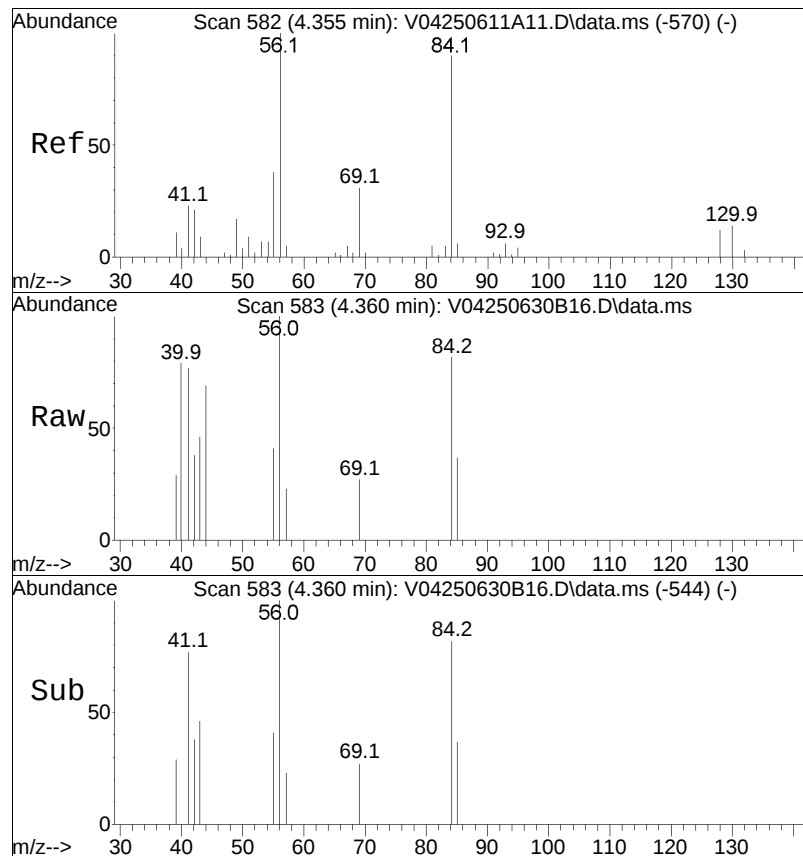




#15
 Methylene chloride
 Concen: 0.40 ug/L
 RT: 3.029 min Scan# 329
 Delta R.T. 0.001 min
 Lab File: V04250630B16.D
 Acq: 30 Jun 2025 6:37 pm

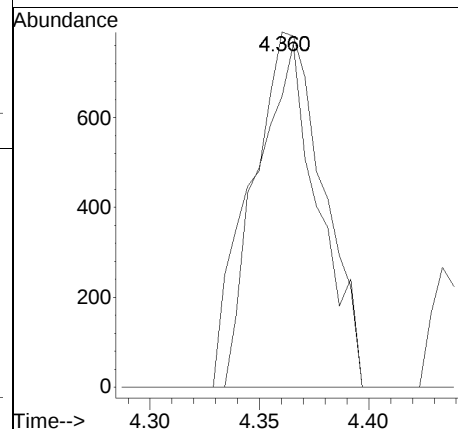
Tgt Ion	Ratio	Lower	Upper
84	100		
86	64.2	41.3	85.9
49	117.5	91.0	189.0

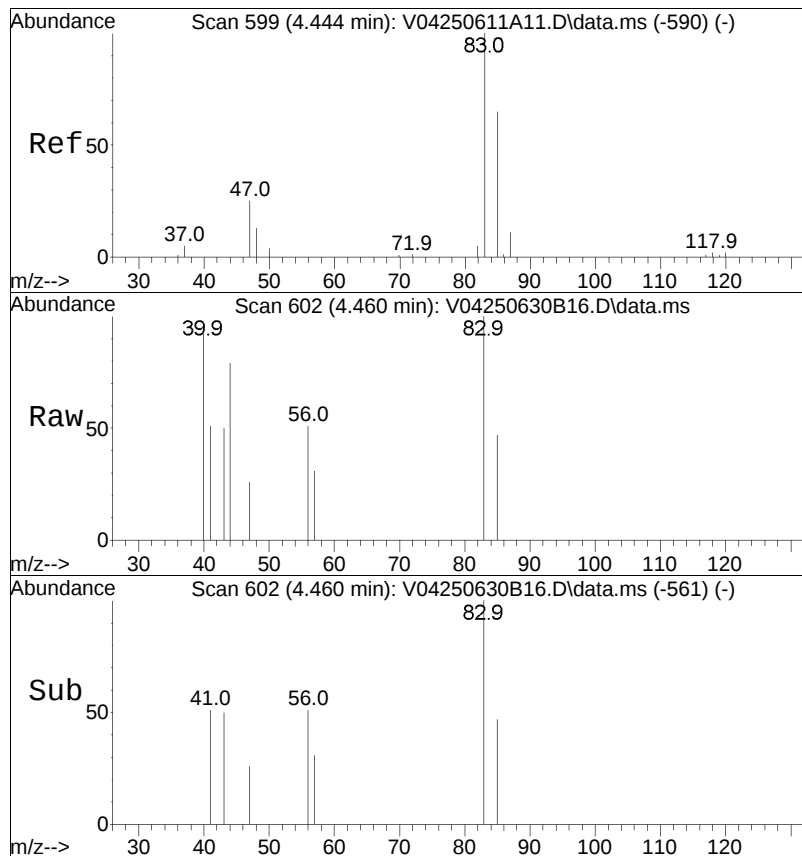




#31
 Cyclohexane
 Concen: 0.25 ug/L
 RT: 4.360 min Scan# 583
 Delta R.T. 0.005 min
 Lab File: V04250630B16.D
 Acq: 30 Jun 2025 6:37 pm

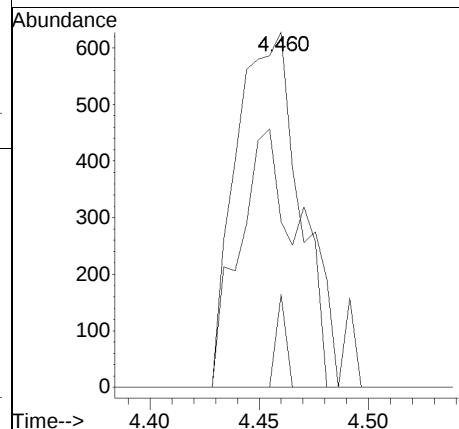
Tgt	Ion	Resp	Lower	Upper
56	100			
84	81.3	48.2	100.2	

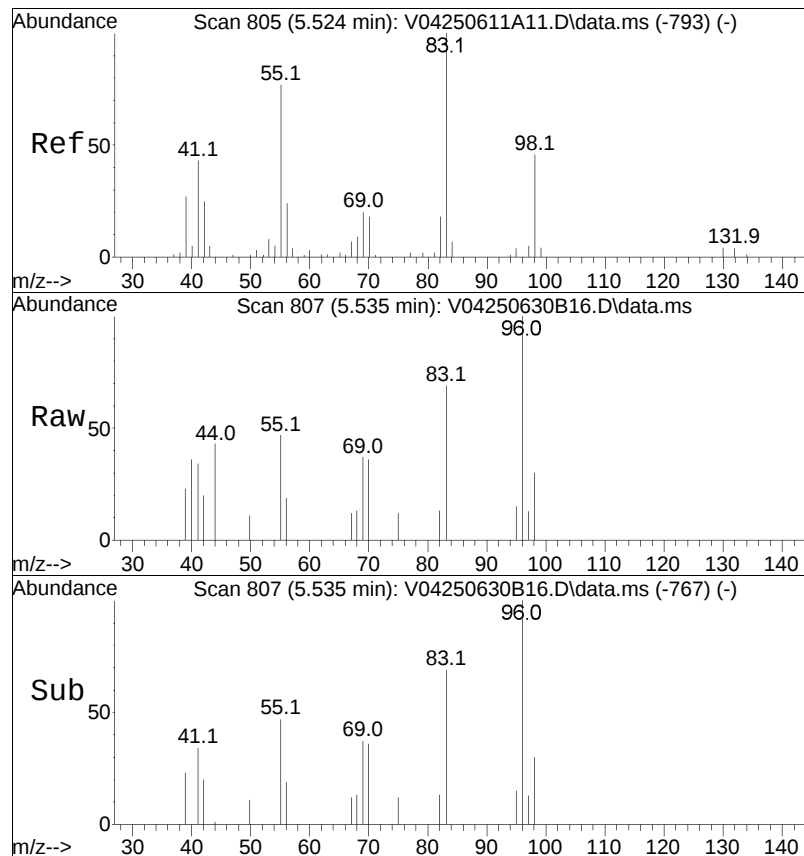




#32
 Chloroform
 Concen: 0.13 ug/L
 RT: 4.460 min Scan# 602
 Delta R.T. 0.016 min
 Lab File: V04250630B16.D
 Acq: 30 Jun 2025 6:37 pm

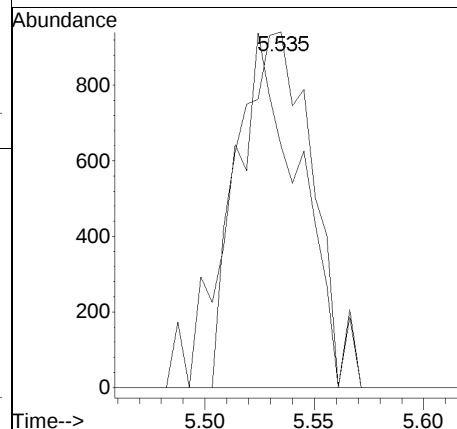
Tgt Ion: 83	Resp: 1348
Ion Ratio	Lower Upper
83 100	
85 63.5	41.9 87.1
47 3.9	16.7 34.7#
48 0.0	7.9 16.3#

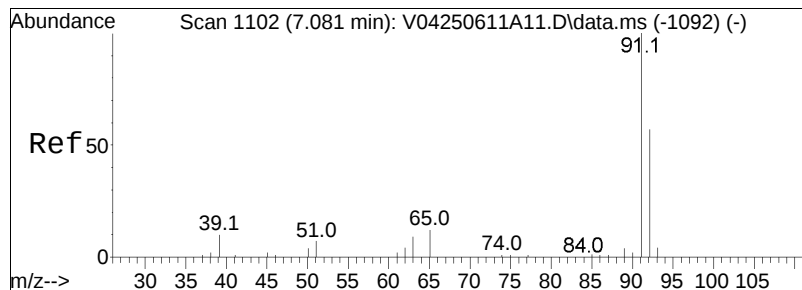




#47
Methyl cyclohexane
Concen: 0.29 ug/L
RT: 5.535 min Scan# 807
Delta R.T. 0.011 min
Lab File: V04250630B16.D
Acq: 30 Jun 2025 6:37 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
55	94.5	73.0	109.4





#61

Toluene

Concen: 0.17 ug/L

RT: 7.092 min Scan# 1104

Delta R.T. 0.011 min

Lab File: V04250630B16.D

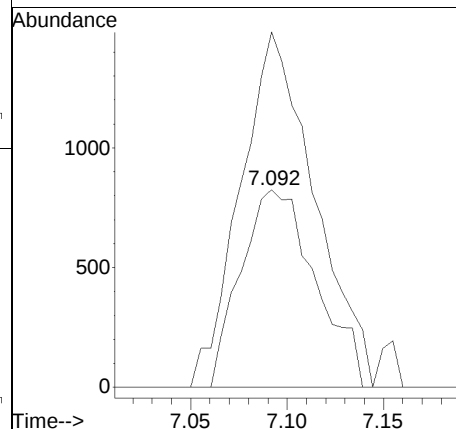
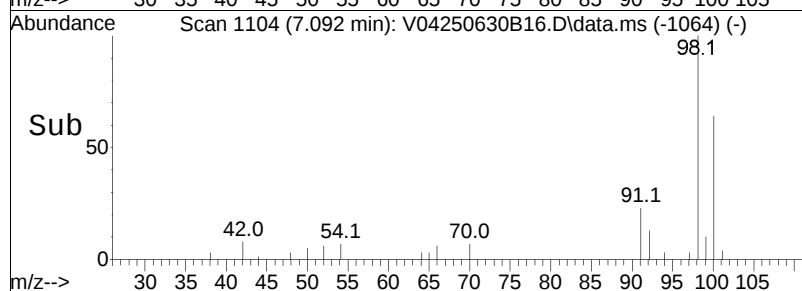
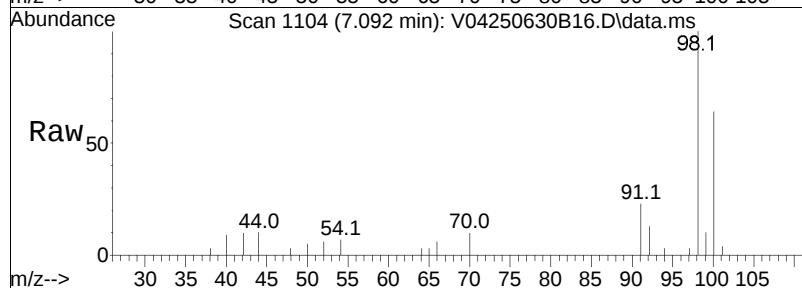
Acq: 30 Jun 2025 6:37 pm

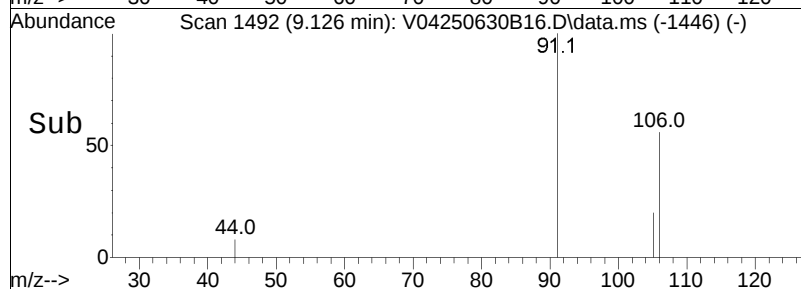
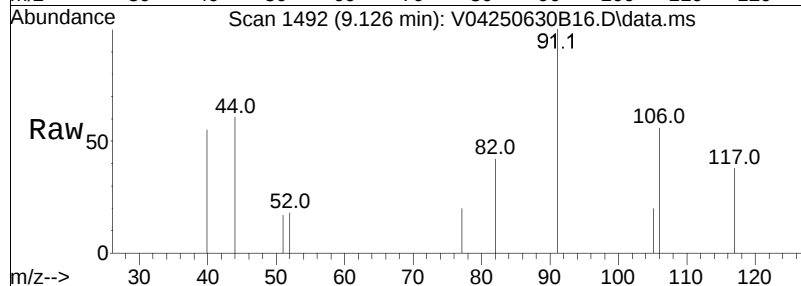
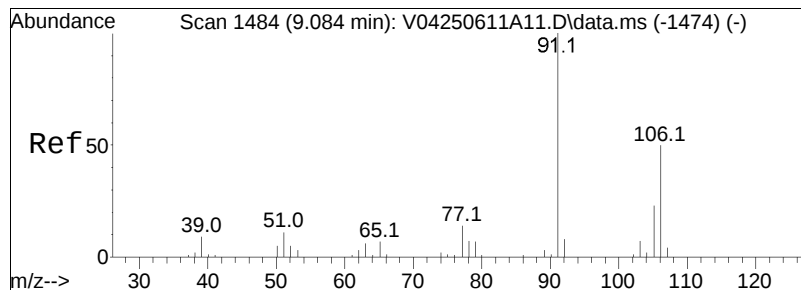
Tgt Ion: 92 Resp: 2221

Ion Ratio Lower Upper

92 100

91 179.2 135.8 203.6





#76

p/m Xylene

Concen: 0.21 ug/L M1

RT: 9.126 min Scan# 1492

Delta R.T. 0.042 min

Lab File: V04250630B16.D

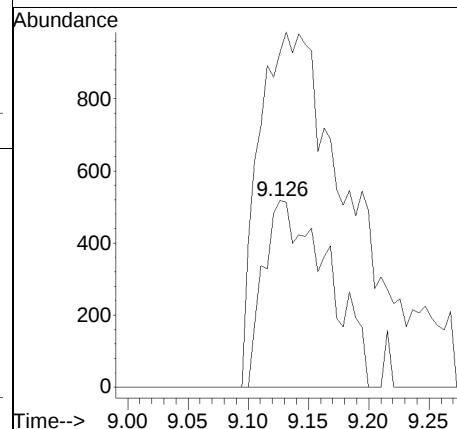
Acq: 30 Jun 2025 6:37 pm

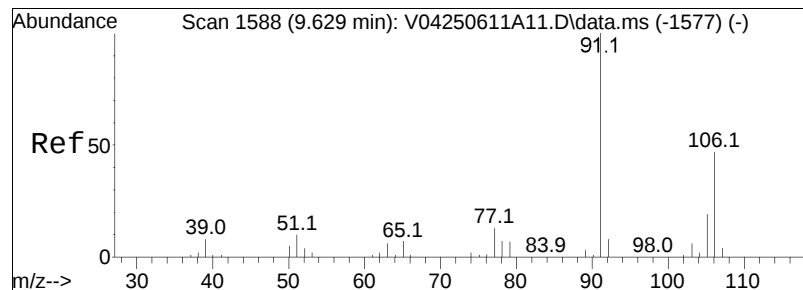
Tgt Ion:106 Resp: 1916

Ion Ratio Lower Upper

106 100

91 104.2 157.1 235.7#





#77

o Xylene

Concen: 0.15 ug/L M1

RT: 9.656 min Scan# 1593

Delta R.T. 0.026 min

Lab File: V04250630B16.D

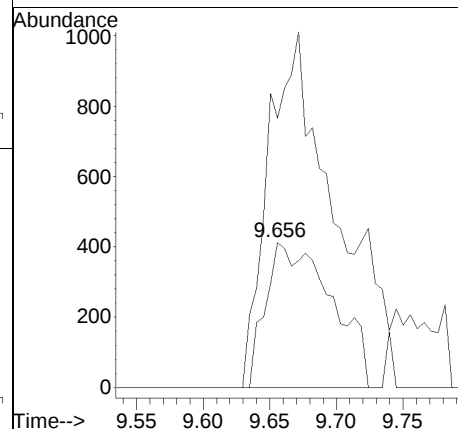
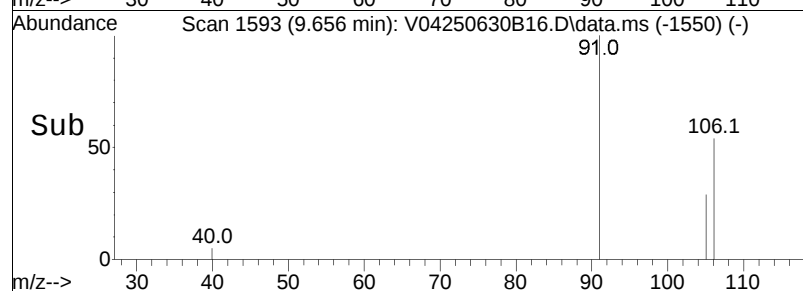
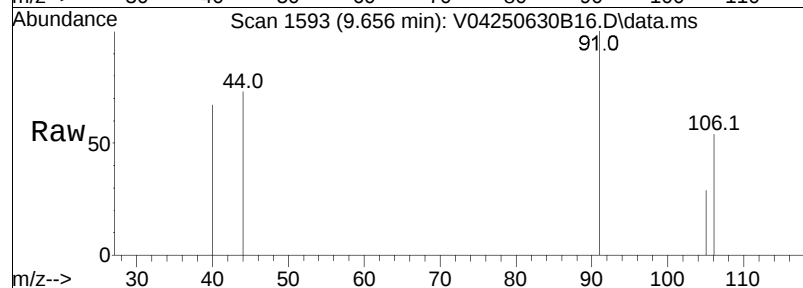
Acq: 30 Jun 2025 6:37 pm

Tgt Ion:106 Resp: 1416

Ion Ratio Lower Upper

106 100

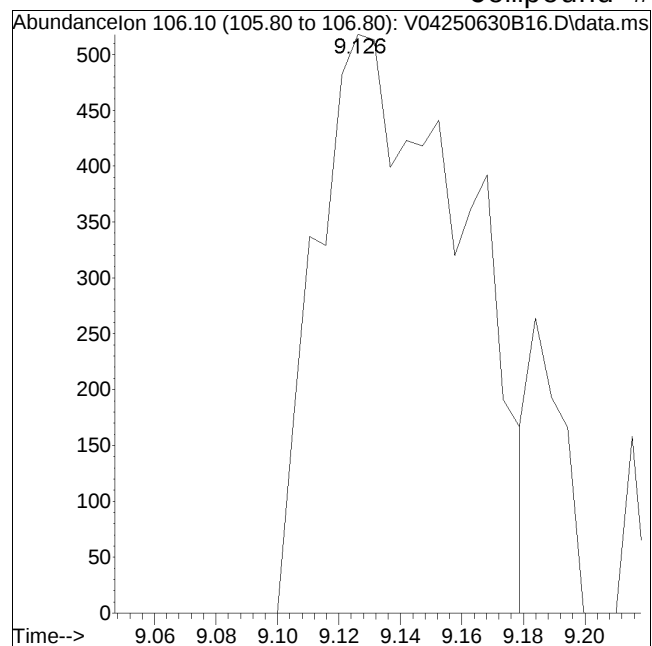
91 215.4 165.9 248.9



Manual Integration Report

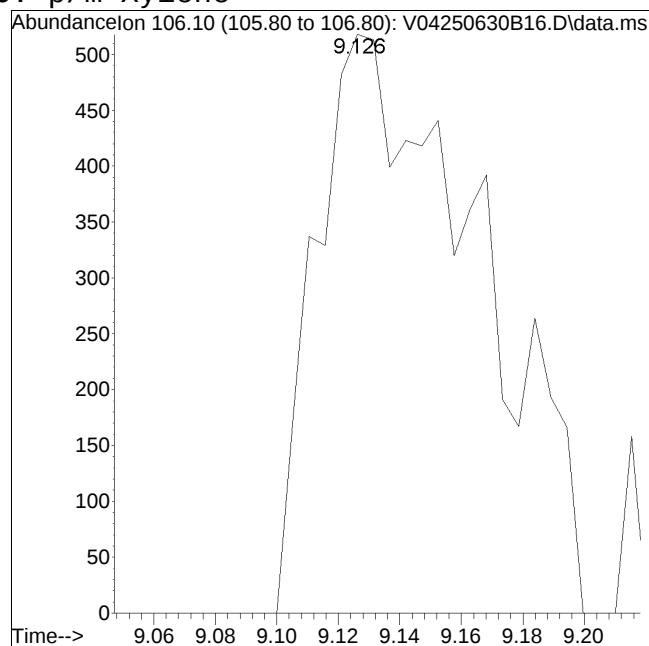
Data Path : K:\V0A104\2025\250630B\ QMethod : V104_250611A_8260.m
Data File : V04250630B16.D Operator : V0A104:JIC
Date Inj'd : 6/30/2025 6:37 pm Instrument : V0A104
Sample : L2540011-01,31,5.99,5,,Y Quant Date : 7/1/2025 7:52 am

Compound #76: p/m Xylene



Original Peak Response = 1720

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

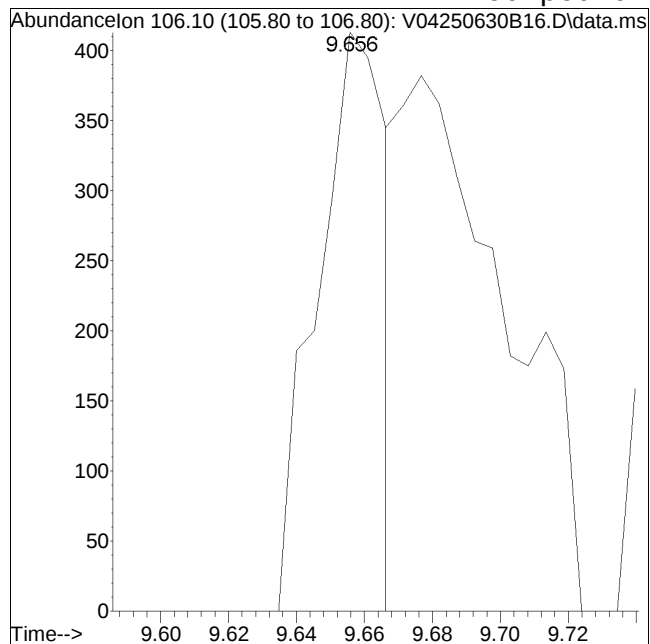


Manual Peak Response = 1916 M1

Manual Integration Report

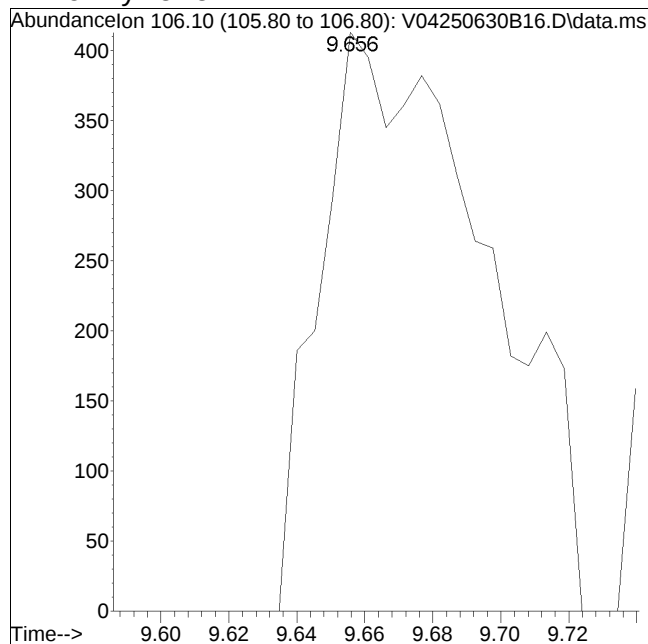
Data Path : K:\V0A104\2025\250630B\ QMethod : V104_250611A_8260.m
Data File : V04250630B16.D Operator : V0A104:JIC
Date Inj'd : 6/30/2025 6:37 pm Instrument : V0A104
Sample : L2540011-01,31,5.99,5,,Y Quant Date : 7/1/2025 7:52 am

Compound #77: o Xylene



Original Peak Response = 577

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 1416 M1

LSC Area Percent Report

Data Path : K:\VOA104\2025\250630B\
 Data File : V04250630B16.D
 Acq On : 30 Jun 2025 6:37 pm
 Operator : VOA104:JIC
 Sample : L2540011-01,31,5.99,5,,Y
 Misc : WG2085689,ICAL22360
 ALS Vial : 16 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\250630B\V104_250611A_8260.m

Title : VOLATILES BY GC/MS

Signal : TIC: V04250630B16.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	652	rBV	137221	315502	36.88%	7.252%
2	5.115	719	727	752	rBV	93378	216333	25.29%	4.973%
3	5.383	768	778	800	rBV	330153	728972	85.20%	16.756%
4	7.029	1082	1092	1136	rBV	373041	845668	98.84%	19.438%
5	8.843	1428	1438	1480	rBV	336216	790986	92.45%	18.181%
6	10.400	1719	1735	1771	rBV	256109	597510	69.84%	13.734%
7	11.674	1972	1978	1999	rBV	474347	855569	100.00%	19.666%

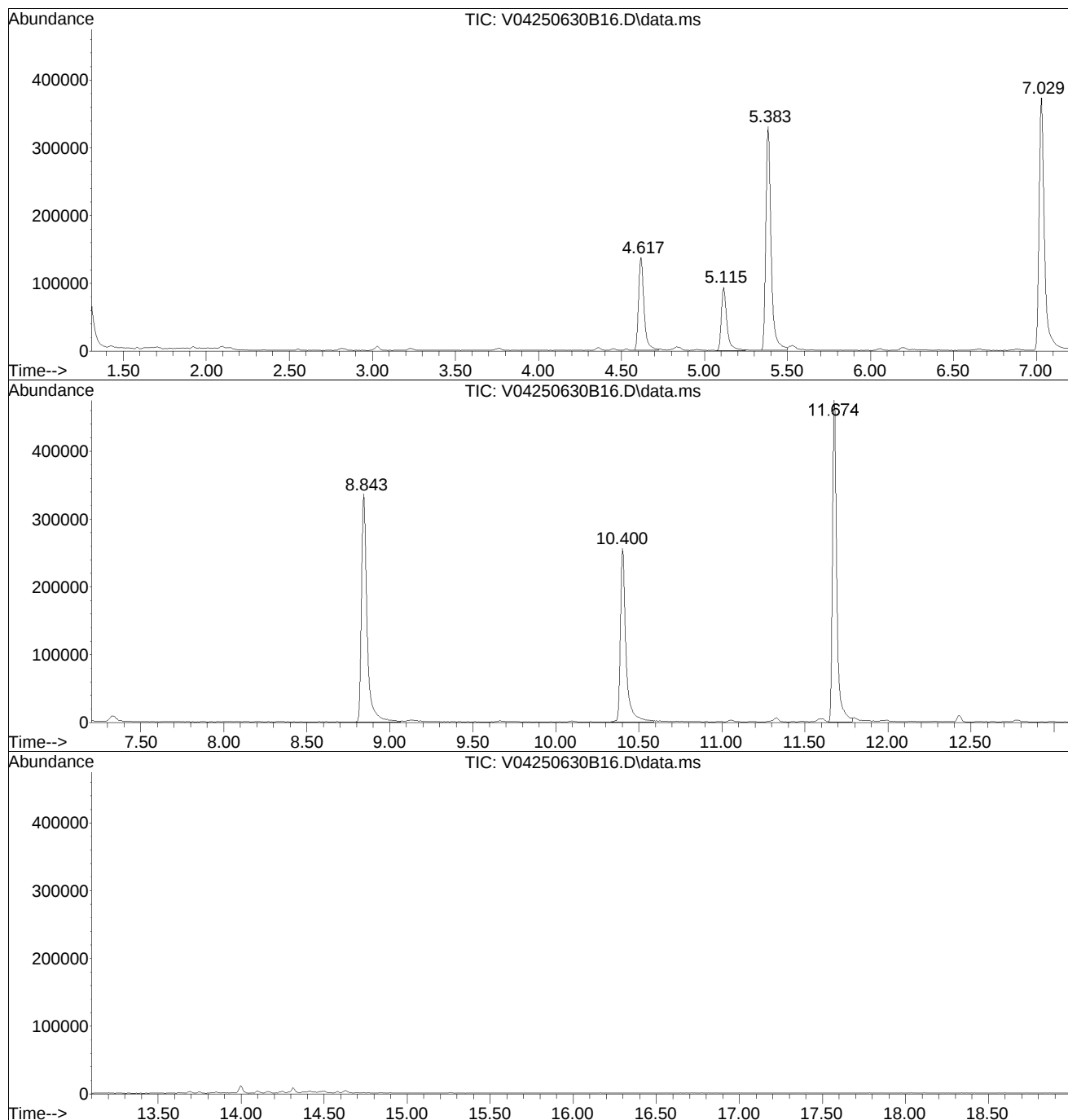
Sum of corrected areas: 4350540

LSC Report - Integrated Chromatogram

Data Path : K:\VOA104\2025\250630B\
Data File : V04250630B16.D
Acq On : 30 Jun 2025 6:37 pm
Operator : VOA104:JIC
Sample : L2540011-01,31,5.99,5,,Y
Misc : WG2085689,ICAL22360
ALS Vial : 16 Sample Multiplier: 1

Quant Method : K:\VOA104\2025\250630B\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\250630B\
Data File : V04250630B16.D
Acq On : 30 Jun 2025 6:37 pm
Operator : VOA104:JIC
Sample : L2540011-01,31,5.99,5,,Y
Misc : WG2085689,ICAL22360
ALS Vial : 16 Sample Multiplier: 1

Quant Method : K:\VOA104\2025\250630B\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\250630B\
 Data File : V04250630B16.D
 Acq On : 30 Jun 2025 6:37 pm
 Operator : VOA104:JIC
 Sample : L2540011-01,31,5.99,5,,Y
 Misc : WG2085689,ICAL22360
 ALS Vial : 16 Sample Multiplier: 1

Quant Method : K:\VOA104\2025\250630B\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\250630B\
 Data File : V04250630B17.D
 Acq On : 30 Jun 2025 7:04 pm
 Operator : VOA104:JIC
 Sample : L2540011-02,31,5.82,5,,Y
 Misc : WG2085689,ICAL22360
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 01 09:16:11 2025
 Quant Method : K:\VOA104\2025\250630B\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\250630B\V04250630B01.D
 Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

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

Internal Standards						
1) Fluorobenzene	5.383	96	374980	20.000	ug/L	0.00
Standard Area 1 = 360029			Recovery	=	104.15%	
59) Chlorobenzene-d5	8.843	117	275973	20.000	ug/L	0.00
Standard Area 1 = 263759			Recovery	=	104.63%	
79) 1,4-Dichlorobenzene-d4	11.679	152	151667	20.000	ug/L	0.00
Standard Area 1 = 136893			Recovery	=	110.79%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.617	113	99837	18.548	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	92.74%	
43) 1,2-Dichloroethane-d4	5.115	65	83434	17.268	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	86.34%	
60) Toluene-d8	7.029	98	338660	18.011	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	90.05%	
83) 4-Bromofluorobenzene	10.400	95	125184	18.299	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	91.49%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.408	85	75	N.D.		
3) Chloromethane	1.581	50	49	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.885	94	592	N.D.		
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	2.557	76	3248	0.182	ug/L #	85
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.034	84	2330	0.382	ug/L	80
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	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	2160	0.285	ug/L	73
32) Chloroform	4.455	83	1292	0.125	ug/L #	80
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\VOA104\2025\250630B\
 Data File : V04250630B17.D
 Acq On : 30 Jun 2025 7:04 pm
 Operator : VOA104:JIC
 Sample : L2540011-02,31,5.82,5,,Y
 Misc : WG2085689,ICAL22360
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 01 09:16:11 2025
 Quant Method : K:\VOA104\2025\250630B\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\250630B\V04250630B01.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	0.000		0		N.D.	d
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
47) Methylcyclohexane	5.535	83	9892	1.243	ug/L	99
48) Trichloroethene	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	6.001	83	190		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.092	92	895		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	7.543	166	271		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.	
72) 2-Hexanone	8.513	43	49		N.D.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	8.932	91	52		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	10.678	83	57		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.	

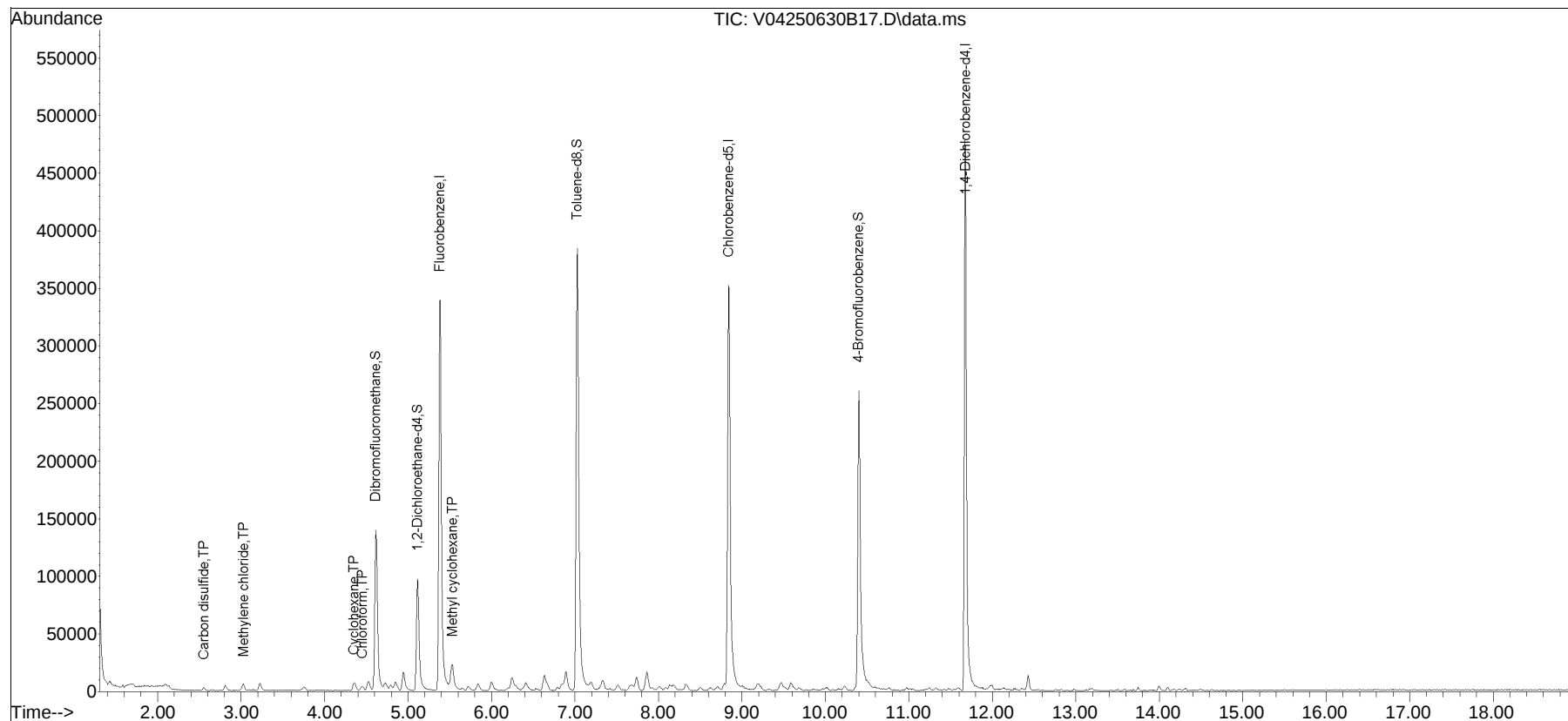
(#) = qualifier out of range (m) = manual integration (+) = signals summed

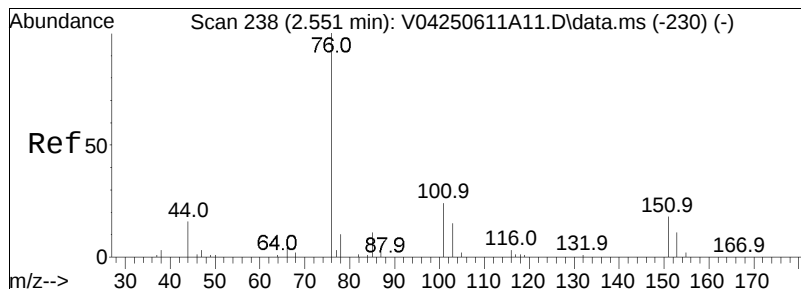
Quantitation Report (QT Reviewed)

Data Path : K:\VOA104\2025\250630B\
 Data File : V04250630B17.D
 Acq On : 30 Jun 2025 7:04 pm
 Operator : VOA104:JIC
 Sample : L2540011-02,31,5.82,5,,Y
 Misc : WG2085689,ICAL22360
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 01 09:16:11 2025
 Quant Method : K:\VOA104\2025\250630B\V104_250611A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jun 12 14:02:06 2025
 Response via : Initial Calibration

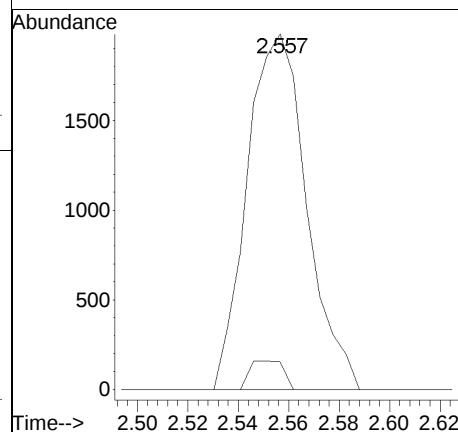
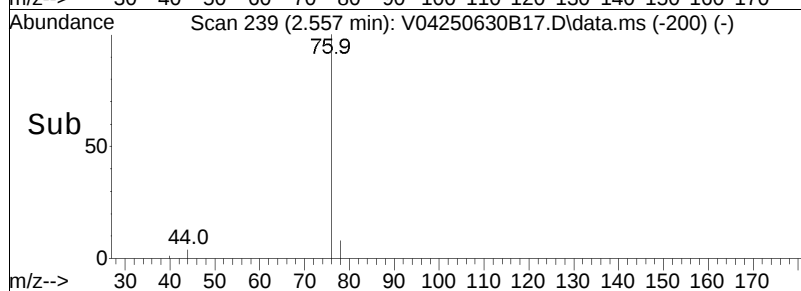
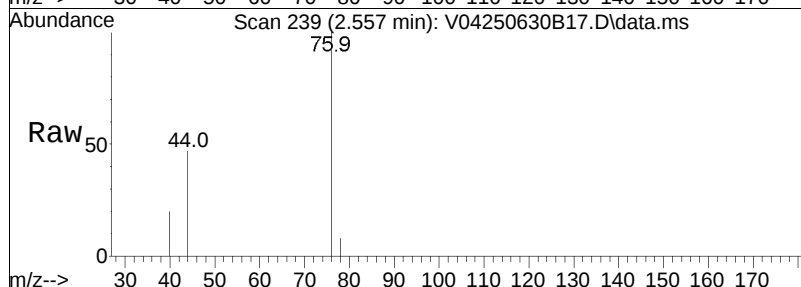
Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

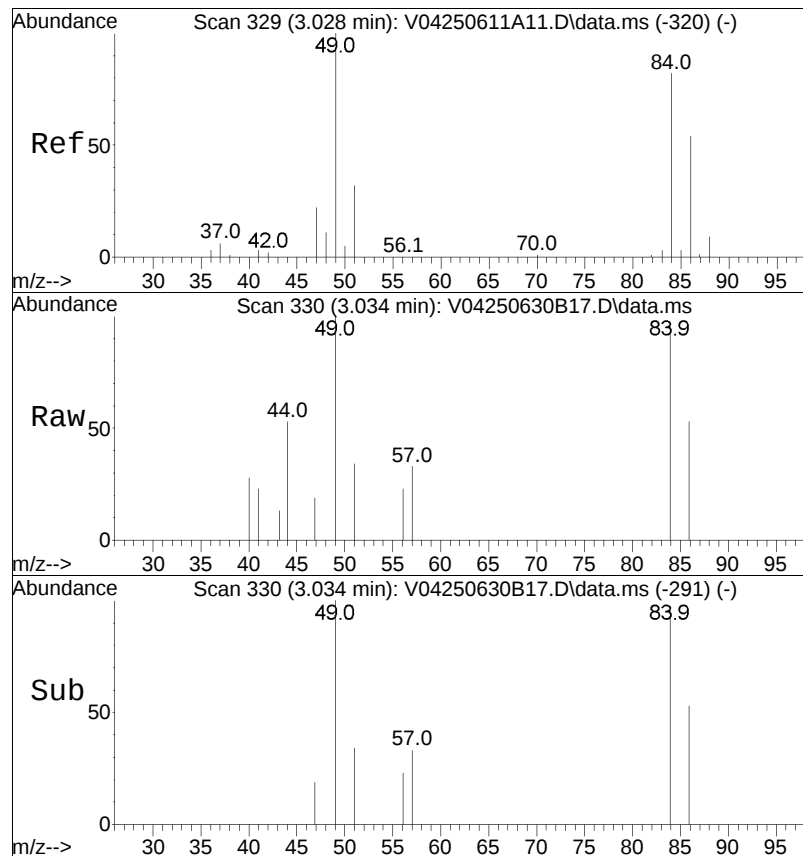




#11
 Carbon disulfide
 Concen: 0.18 ug/L
 RT: 2.557 min Scan# 239
 Delta R.T. 0.005 min
 Lab File: V04250630B17.D
 Acq: 30 Jun 2025 7:04 pm

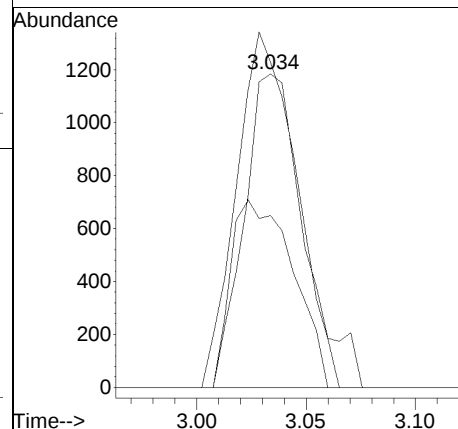
Tgt Ion: 76 Resp: 3248
 Ion Ratio Lower Upper
 76 100
 78 4.6 6.6 13.8#

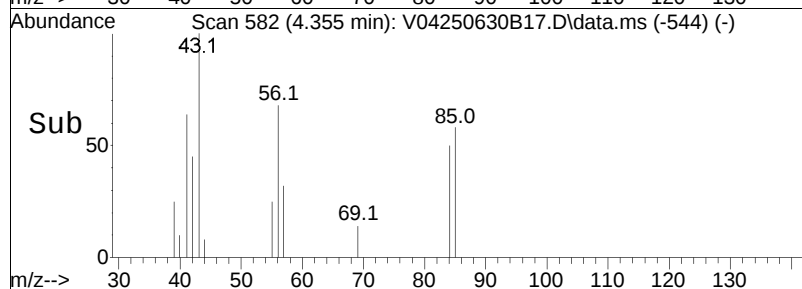
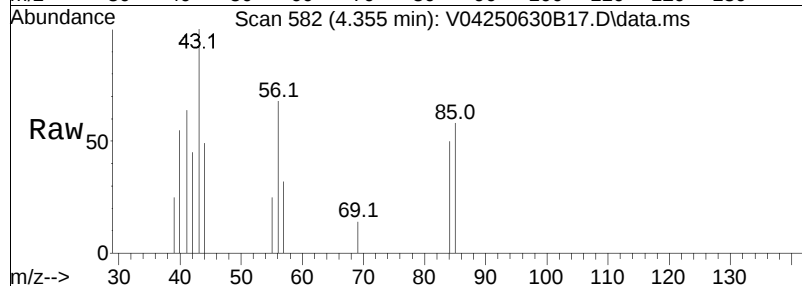
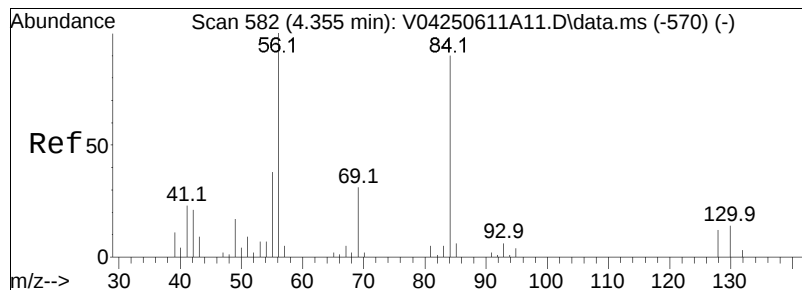




#15
 Methylene chloride
 Concen: 0.38 ug/L
 RT: 3.034 min Scan# 330
 Delta R.T. 0.006 min
 Lab File: V04250630B17.D
 Acq: 30 Jun 2025 7:04 pm

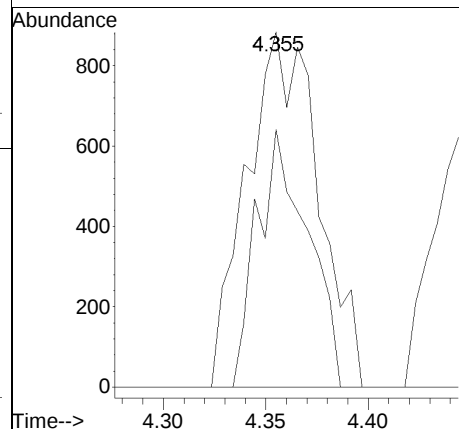
Tgt Ion:	84	Resp:	2330
Ion Ratio	Lower	Upper	
84	100		
86	57.1	41.3	85.9
49	109.9	91.0	189.0

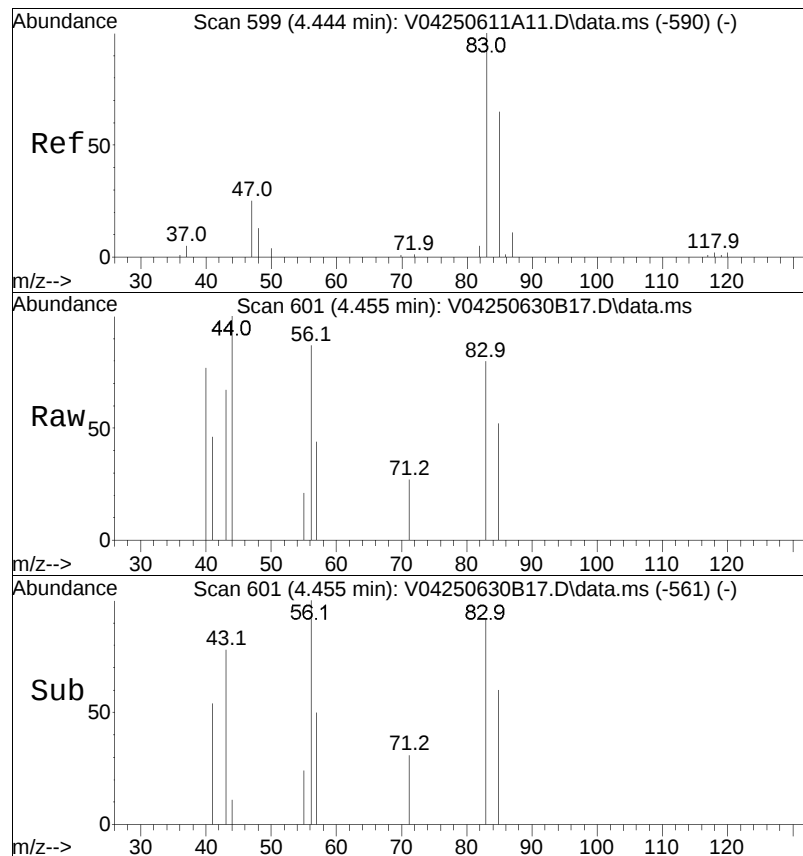




#31
Cyclohexane
Concen: 0.29 ug/L
RT: 4.355 min Scan# 582
Delta R.T. 0.000 min
Lab File: V04250630B17.D
Acq: 30 Jun 2025 7:04 pm

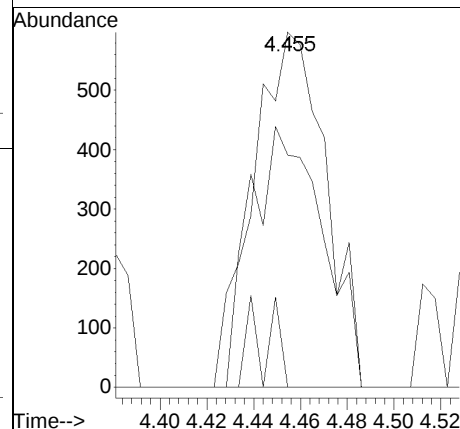
Tgt	Ion	Ratio	Lower	Upper
56	100			
84	51.0	48.2	100.2	

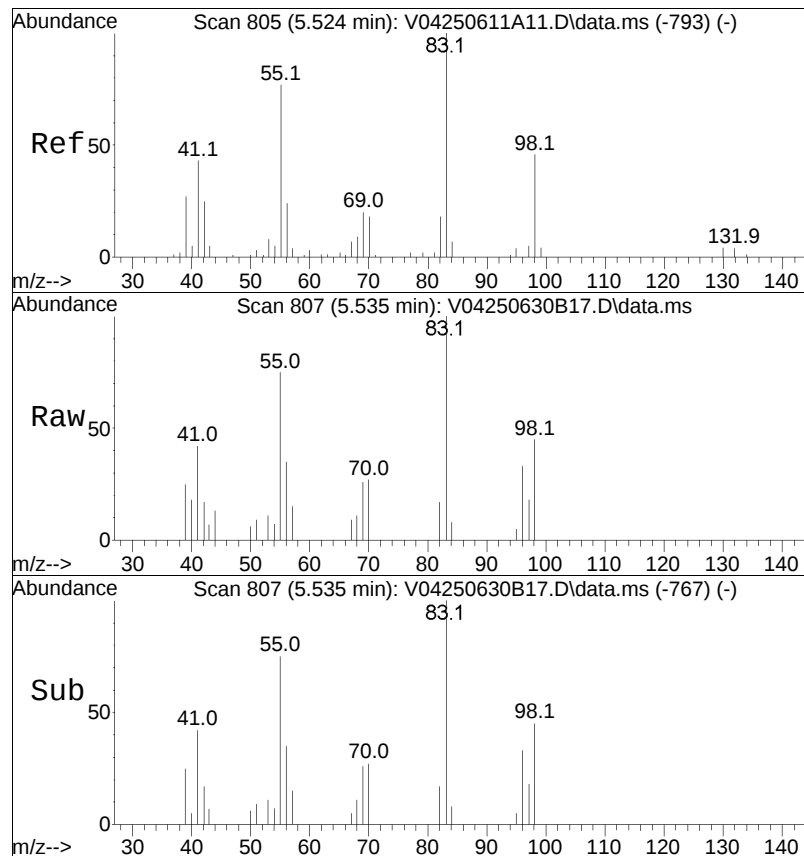




#32
 Chloroform
 Concen: 0.13 ug/L
 RT: 4.455 min Scan# 601
 Delta R.T. 0.011 min
 Lab File: V04250630B17.D
 Acq: 30 Jun 2025 7:04 pm

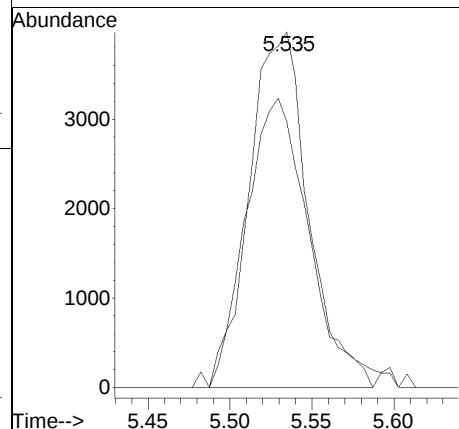
Tgt Ion:	83	Resp:	1292
Ion Ratio	Lower	Upper	
83	100		
85	73.4	41.9	87.1
47	7.5	16.7	34.7#
48	0.0	7.9	16.3#





#47
Methyl cyclohexane
Concen: 1.24 ug/L
RT: 5.535 min Scan# 807
Delta R.T. 0.011 min
Lab File: V04250630B17.D
Acq: 30 Jun 2025 7:04 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
55	90.1	73.0	109.4



Manual Integration Report

Data Path	: K:\VOA104\2025\250630B\	QMethod	: V104_250611A_8260.m
Data File	: V04250630B17.D	Operator	: VOA104:JIC
Date Inj'd	: 6/30/2025 7:04 pm	Instrument	: VOA104
Sample	: L2540011-02,31,5.82,5,,Y	Quant Date	: 7/1/2025 7:52 am

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

LSC Area Percent Report

Data Path : K:\VOA104\2025\250630B\
 Data File : V04250630B17.D
 Acq On : 30 Jun 2025 7:04 pm
 Operator : VOA104:JIC
 Sample : L2540011-02,31,5.82,5,,Y
 Misc : WG2085689,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\250630B\V104_250611A_8260.m

Title : VOLATILES BY GC/MS

Signal : TIC: V04250630B17.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	622	632	648	rBV	138373	310935	35.38%	6.613%
2	4.942	686	694	717	rVB3	15959	39833	4.53%	0.847%
3	5.115	717	727	752	rBV	96899	220912	25.14%	4.698%
4	5.383	768	778	798	rBV	338803	743436	84.59%	15.810%
5	5.529	798	806	822	rVB4	21941	64463	7.33%	1.371%
6	6.242	937	942	962	rVB4	10632	33896	3.86%	0.721%
7	6.636	1008	1017	1035	rVB3	13517	41823	4.76%	0.889%
8	6.893	1051	1066	1080	rVB8	16412	52679	5.99%	1.120%
9	7.029	1080	1092	1117	rBV	383659	878873	100.00%	18.691%
10	7.737	1221	1227	1239	rVB4	11365	28109	3.20%	0.598%
11	7.863	1239	1251	1259	rBV3	16212	41069	4.67%	0.873%
12	8.843	1430	1438	1465	rVB	348546	781670	88.94%	16.623%
13	10.400	1720	1735	1752	rBV2	260309	596702	67.89%	12.690%
14	11.674	1971	1978	2000	rBV	477659	867829	98.74%	18.456%

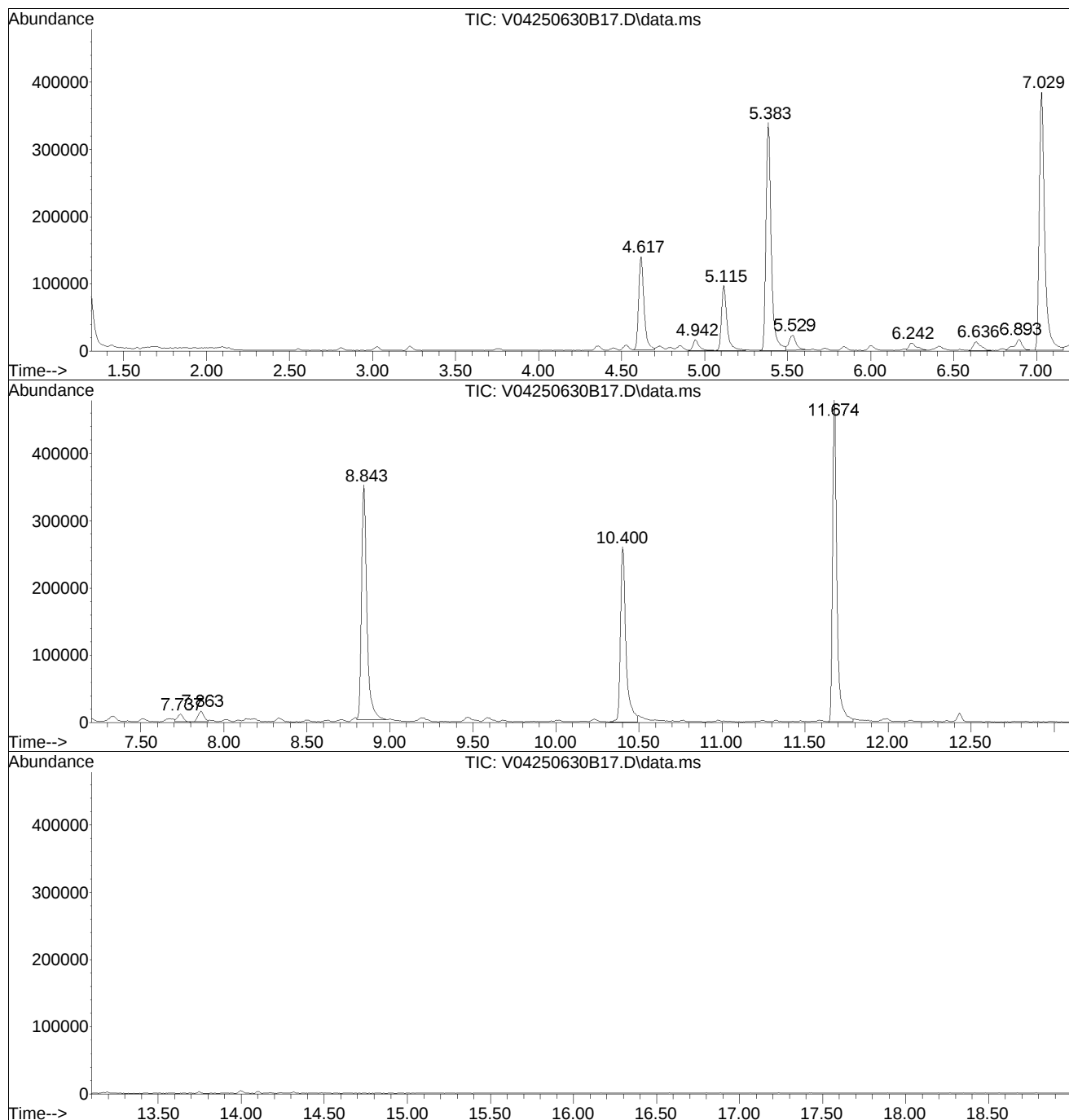
Sum of corrected areas: 4702229

LSC Report - Integrated Chromatogram

Data Path : K:\VOA104\2025\250630B\
Data File : V04250630B17.D
Acq On : 30 Jun 2025 7:04 pm
Operator : VOA104:JIC
Sample : L2540011-02,31,5.82,5,,Y
Misc : WG2085689,ICAL22360
ALS Vial : 17 Sample Multiplier: 1

Quant Method : K:\VOA104\2025\250630B\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\250630B\
Data File : V04250630B17.D
Acq On : 30 Jun 2025 7:04 pm
Operator : VOA104:JIC
Sample : L2540011-02,31,5.82,5,,Y
Misc : WG2085689,ICAL22360
ALS Vial : 17 Sample Multiplier: 1

Quant Method : K:\VOA104\2025\250630B\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\250630B\
 Data File : V04250630B17.D
 Acq On : 30 Jun 2025 7:04 pm
 Operator : VOA104:JIC
 Sample : L2540011-02,31,5.82,5,,Y
 Misc : WG2085689,ICAL22360
 ALS Vial : 17 Sample Multiplier: 1

Quant Method : K:\VOA104\2025\250630B\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:\Jack\2025\250701\
 Data File : J250701A07.D
 Acq On : 1 Jul 2025 6:07 am
 Operator : JACK:MCM
 Sample : 12540011-01,31,10,10,,q,r3e
 Misc : WG2085650,ICAL22416
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 06:55:50 2025
 Quant Method : K:\Jack\2025\250701\VJ_250624_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 24 11:26:16 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250701\J250701A02.D
 Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

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

Internal Standards						
1) Fluorobenzene	5.891	96	122715	10.000	ug/L	0.00
Standard Area 1 = 139491			Recovery =	87.97%		
63) Chlorobenzene-d5	9.434	117	94854	10.000	ug/L	0.00
Standard Area 1 = 102706			Recovery =	92.35%		
84) 1,4-Dichlorobenzene-d4	12.165	152	53386	10.000	ug/L	0.00
Standard Area 1 = 60928			Recovery =	87.62%		
System Monitoring Compounds						
39) Dibromofluoromethane	5.082	113	33239	10.402	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.02%		
47) 1,2-Dichloroethane-d4	5.606	65	42243	10.870	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	108.70%		
64) Toluene-d8	7.588	98	126323	10.026	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.26%		
88) 4-Bromofluorobenzene	10.945	95	49025	10.323	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.23%		
Target Compounds						
2) Dichlorodifluoromethane	1.372	85	56	N.D.		
3) Chloromethane	1.831	50	53	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.110	94	61	N.D.		
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	2.872	76	141	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.401	84	1778	0.544	ug/L	# 69
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.483	43	69	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	4.896	83	144	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250701\
 Data File : J250701A07.D
 Acq On : 1 Jul 2025 6:07 am
 Operator : JACK:MCM
 Sample : 12540011-01,31,10,10,,q,r3e
 Misc : WG2085650,ICAL22416
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 06:55:50 2025
 Quant Method : K:\Jack\2025\250701\VJ_250624_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 24 11:26:16 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250701\J250701A02.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	0.000		0		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	0.000		0		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	9.434	91	61		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	10.235	106	48		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	0.000		0		N.D.	
106) 1,4-Dichlorobenzene	0.000		0		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	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

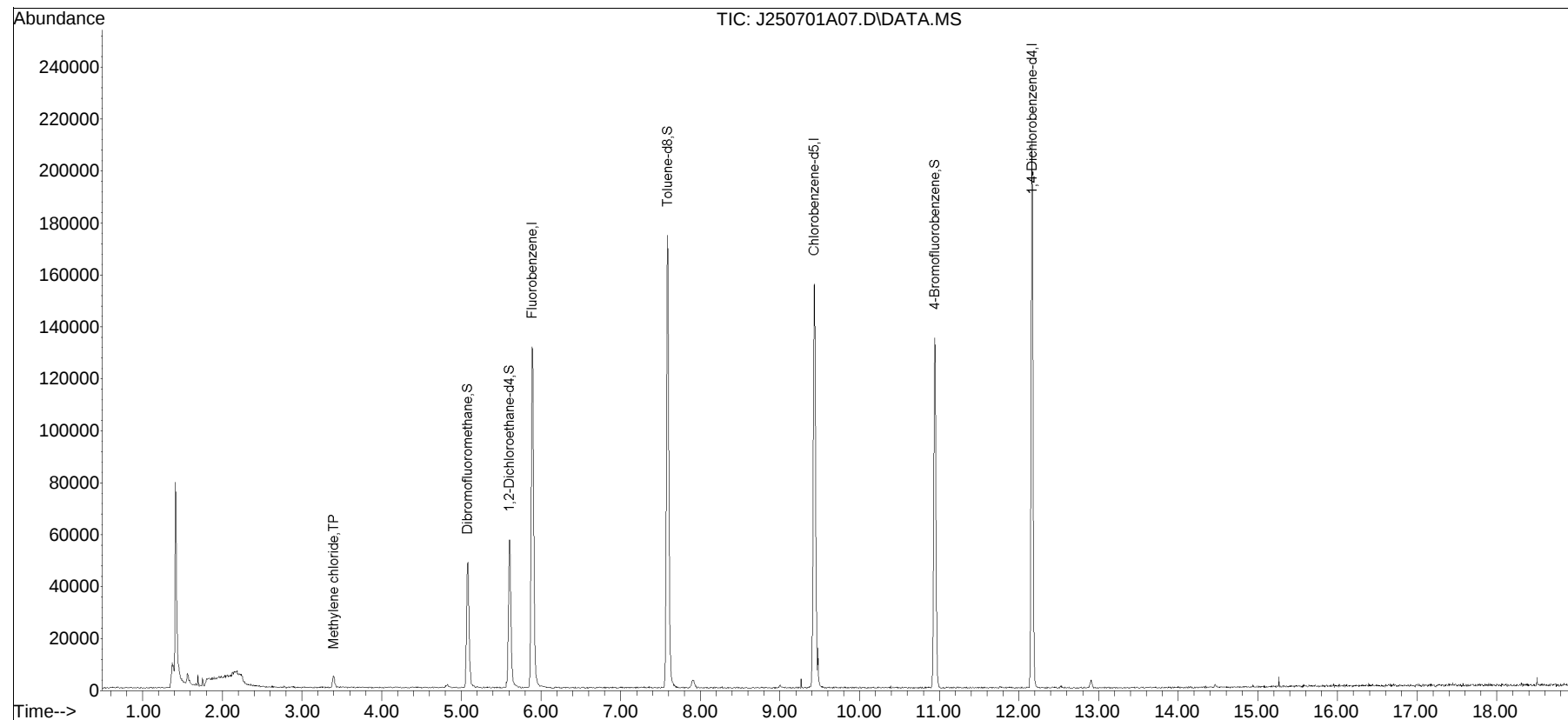
(#) = qualifier out of range (m) = manual integration (+) = signals summed

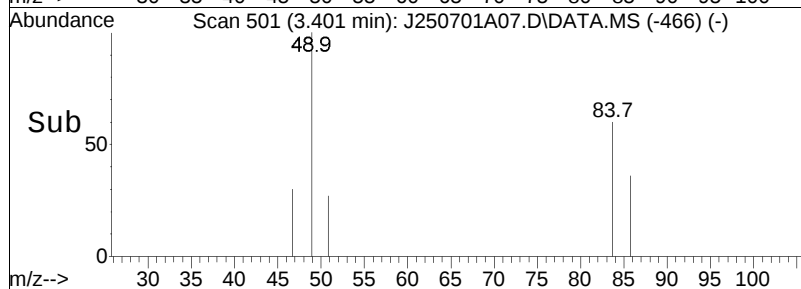
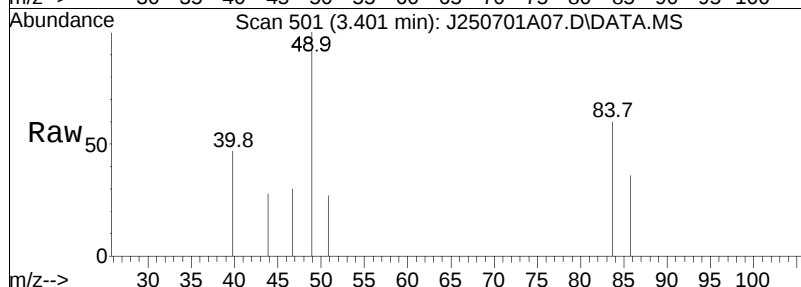
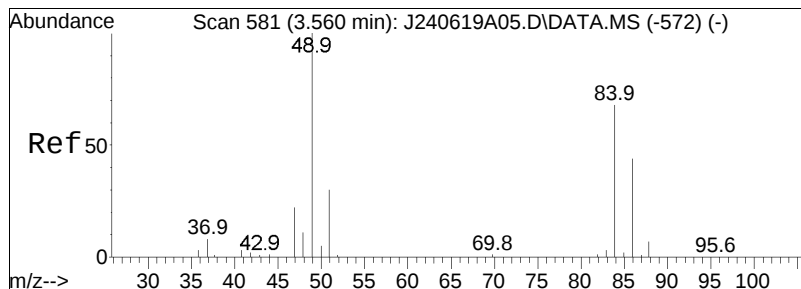
Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250701\
 Data File : J250701A07.D
 Acq On : 1 Jul 2025 6:07 am
 Operator : JACK:MCM
 Sample : 12540011-01,31,10,10,,q,r3e
 Misc : WG2085650,ICAL22416
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 06:55:50 2025
 Quant Method : K:\Jack\2025\250701\VJ_250624_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 24 11:26:16 2025
 Response via : Initial Calibration

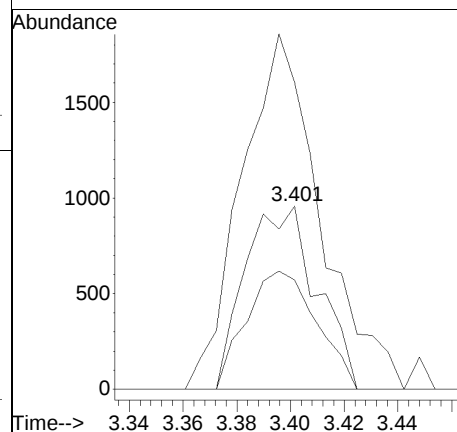
Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist





#15
Methylene chloride
Concen: 0.54 ug/L
RT: 3.401 min Scan# 501
Delta R.T. 0.005 min
Lab File: J250701A07.D
Acq: 1 Jul 2025 6:07 am

Tgt Ion: 84 Resp: 1778
Ion Ratio Lower Upper
84 100
86 63.2 41.7 86.5
49 215.9 103.9 215.9#



Manual Integration Report

Data Path : K:\Jack\2025\250701\ QMethod : VJ_250624_8260.m
Data File : J250701A07.D Operator : JACK:MCM
Date Inj'd : 7/1/2025 6:07 am Instrument : Jack
Sample : 12540011-01,31,10,10,,q,r3 Quant Date : 7/1/2025 6:55 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250701\
 Data File : J250701A08.D
 Acq On : 1 Jul 2025 6:34 am
 Operator : JACK:MCM
 Sample : 12540011-02,31,10,10,,w,r3e
 Misc : WG2085650,ICAL22416
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 01 06:55:56 2025
 Quant Method : K:\Jack\2025\250701\VJ_250624_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 24 11:26:16 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250701\J250701A02.D
 Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

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

Internal Standards						
1) Fluorobenzene	5.891	96	123468	10.000	ug/L	0.00
Standard Area 1 = 139491			Recovery =	88.51%		
63) Chlorobenzene-d5	9.429	117	94434	10.000	ug/L	0.00
Standard Area 1 = 102706			Recovery =	91.95%		
84) 1,4-Dichlorobenzene-d4	12.165	152	51759	10.000	ug/L	0.00
Standard Area 1 = 60928			Recovery =	84.95%		
System Monitoring Compounds						
39) Dibromofluoromethane	5.076	113	32546	10.123	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.23%		
47) 1,2-Dichloroethane-d4	5.606	65	43138	11.033	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	110.33%		
64) Toluene-d8	7.588	98	126700	10.100	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.00%		
88) 4-Bromofluorobenzene	10.941	95	47949	10.414	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.14%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.372	85	53	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.104	94	270	0.147	ug/L #	4
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	2.872	76	474	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.396	84	1137	0.346	ug/L	74
17) Acetone	3.448	43	826	0.717	ug/L #	50
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	4.902	83	215	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250701\
 Data File : J250701A08.D
 Acq On : 1 Jul 2025 6:34 am
 Operator : JACK:MCM
 Sample : 12540011-02,31,10,10,,w,r3e
 Misc : WG2085650,ICAL22416
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 01 06:55:56 2025
 Quant Method : K:\Jack\2025\250701\VJ_250624_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 24 11:26:16 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250701\J250701A02.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	0.000		0		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	0.000		0		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	9.102	43	200		N.D.	
78)	Chlorobenzene	0.000		0		N.D.	
79)	Ethylbenzene	0.000		0		N.D.	
81)	p/m Xylene	0.000		0		N.D.	
82)	o Xylene	0.000		0		N.D.	
83)	Styrene	0.000		0		N.D.	
85)	Bromoform	0.000		0		N.D.	
87)	Isopropylbenzene	0.000		0		N.D.	
92)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105)	1,3-Dichlorobenzene	0.000		0		N.D.	
106)	1,4-Dichlorobenzene	0.000		0		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	0.000		0		N.D.	
116)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

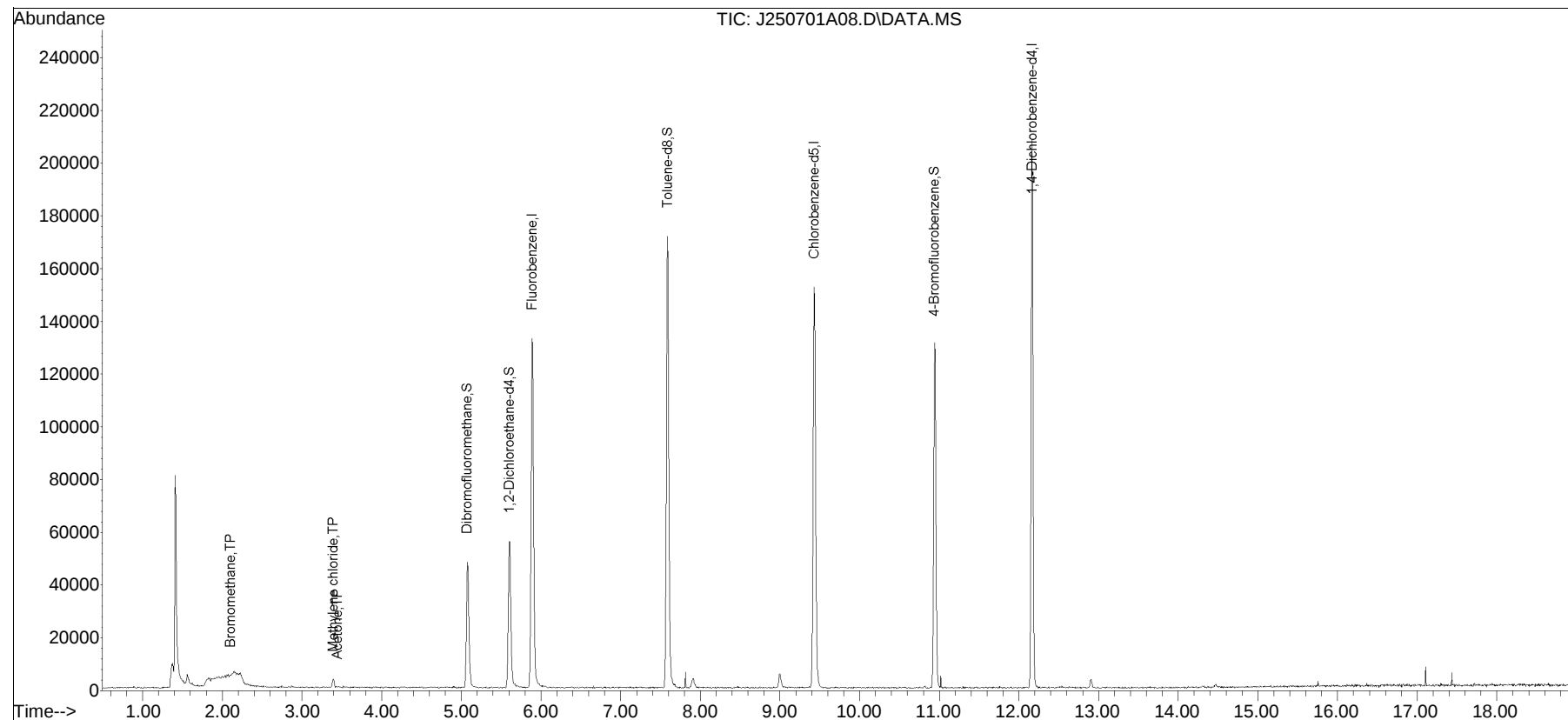
(#) = qualifier out of range (m) = manual integration (+) = signals summed

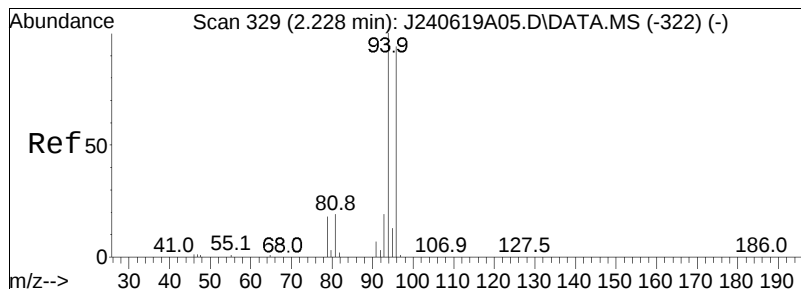
Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250701\
 Data File : J250701A08.D
 Acq On : 1 Jul 2025 6:34 am
 Operator : JACK:MCM
 Sample : 12540011-02,31,10,10,,w,r3e
 Misc : WG2085650,ICAL22416
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 01 06:55:56 2025
 Quant Method : K:\Jack\2025\250701\VJ_250624_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 24 11:26:16 2025
 Response via : Initial Calibration

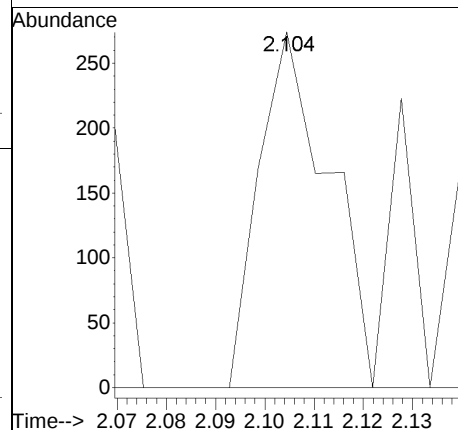
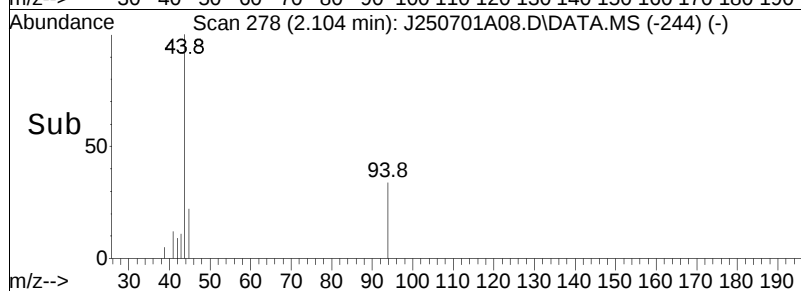
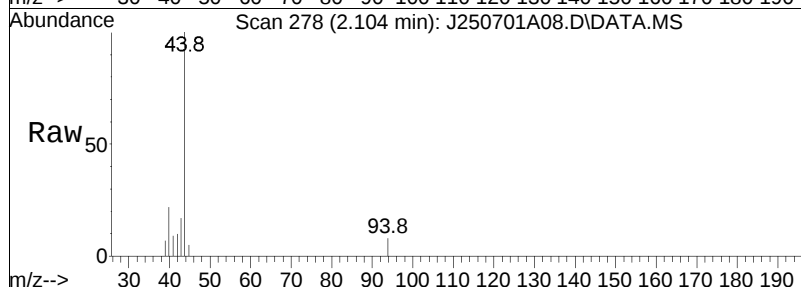
Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

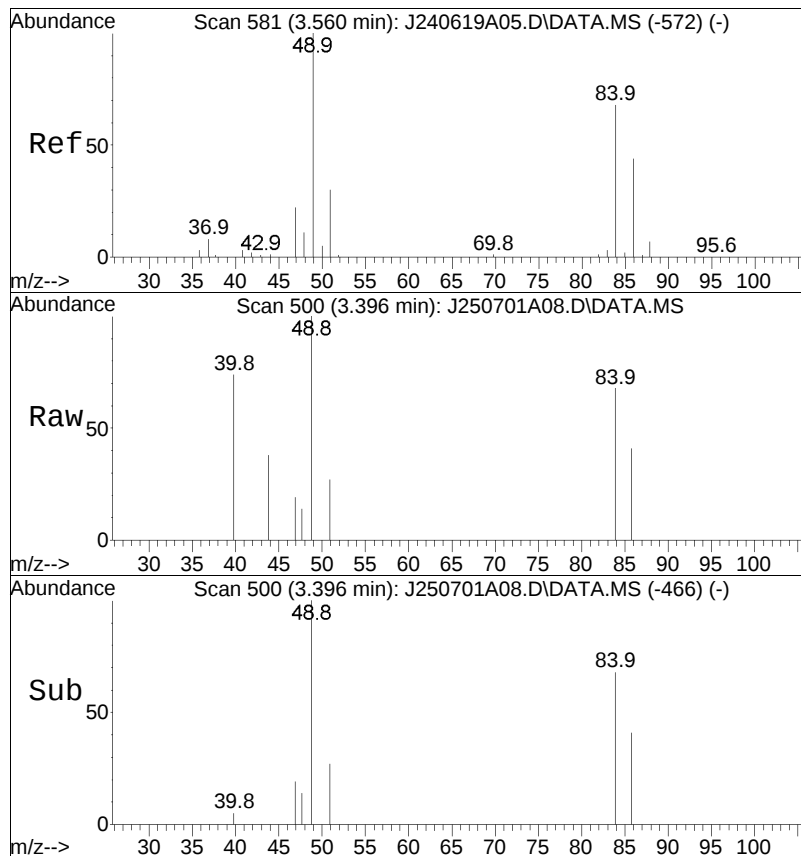




#5
 Bromomethane
 Concen: 0.15 ug/L
 RT: 2.104 min Scan# 278
 Delta R.T. 0.000 min
 Lab File: J250701A08.D
 Acq: 1 Jul 2025 6:34 am

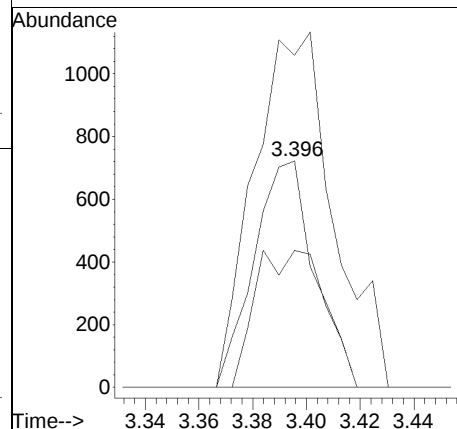
Tgt Ion: 94 Resp: 270
 Ion Ratio Lower Upper
 94 100
 96 0.0 73.7 110.5#

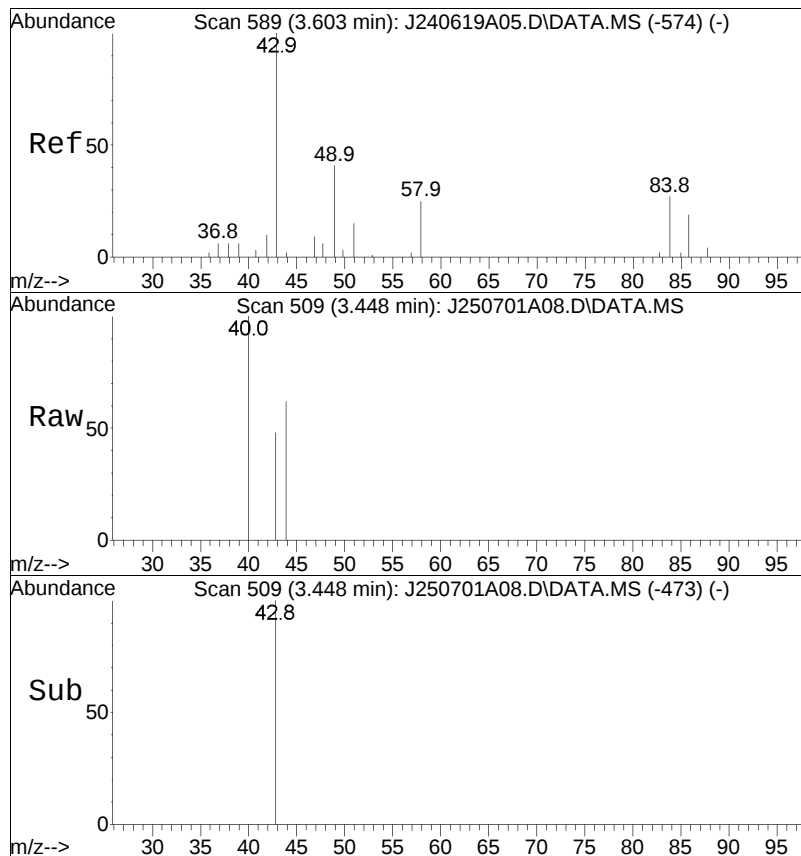




#15
 Methylene chloride
 Concen: 0.35 ug/L
 RT: 3.396 min Scan# 500
 Delta R.T. -0.000 min
 Lab File: J250701A08.D
 Acq: 1 Jul 2025 6:34 am

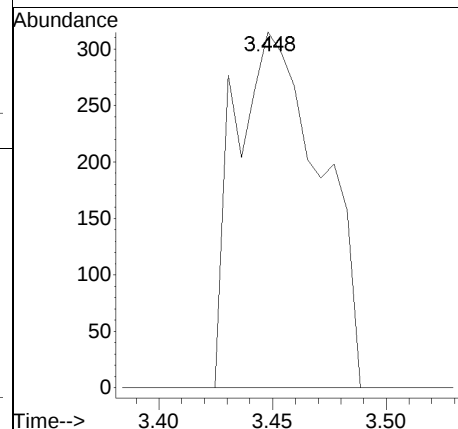
Tgt Ion:	84	Resp:	1137
Ion Ratio	Lower	Upper	
84	100		
86	69.3	41.7	86.5
49	204.0	103.9	215.9





#17
 Acetone
 Concen: 0.72 ug/L
 RT: 3.448 min Scan# 509
 Delta R.T. 0.012 min
 Lab File: J250701A08.D
 Acq: 1 Jul 2025 6:34 am

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	20.1	30.1#



Manual Integration Report

Data Path : K:\Jack\2025\250701\ QMethod : VJ_250624_8260.m
Data File : J250701A08.D Operator : JACK:MCM
Date Inj'd : 7/1/2025 6:34 am Instrument : Jack
Sample : 12540011-02,31,10,10,,w,r3 Quant Date : 7/1/2025 6:55 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\250630B\
 Data File : V04250630B06.D
 Acq On : 30 Jun 2025 2:13 pm
 Operator : VOA104:AJK
 Sample : WG2085689-5,31,5,5
 Misc : WG2085689,ICAL22360
 ALS Vial : 6 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\250630B\V104_250611A_8260.m

Title : VOLATILES BY GC/MS

Signal : TIC: V04250630B06.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	622	631	657	rBV	135795	299427	35.33%	6.914%
2	5.110	717	726	753	rBV	90419	202360	23.88%	4.673%
3	5.377	767	777	808	rBV	325439	699571	82.54%	16.154%
4	7.024	1079	1091	1134	rBV	365842	823311	97.15%	19.011%
5	7.333	1140	1150	1162	rVB3	11846	33391	3.94%	0.771%
6	8.843	1428	1438	1475	rBV	331672	776850	91.66%	17.938%
7	10.400	1720	1735	1768	rBV	245114	607351	71.66%	14.024%
8	11.674	1971	1978	2013	rBV	468137	847507	100.00%	19.570%
9	12.429	2111	2122	2132	rVB	23346	40883	4.82%	0.944%

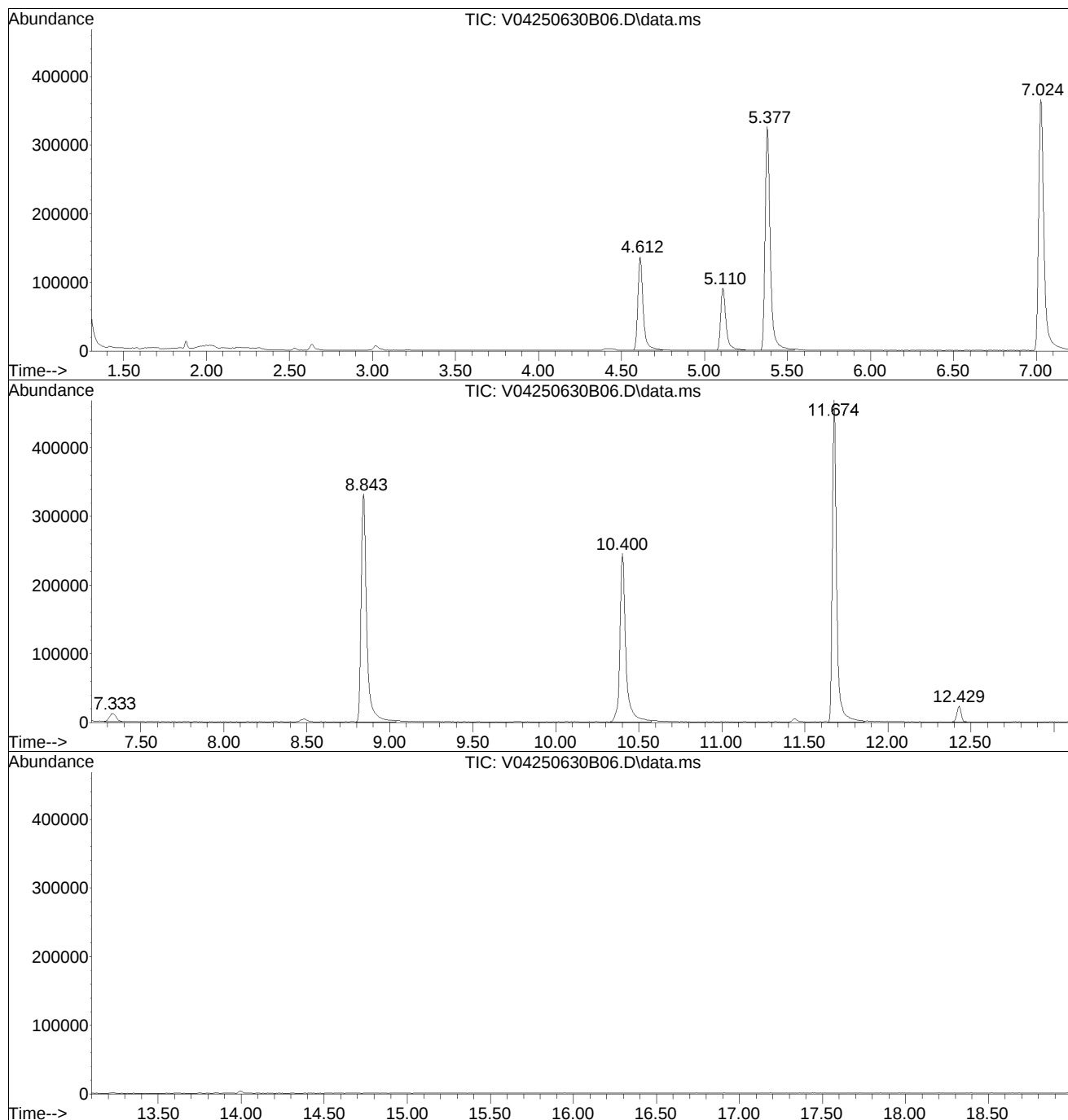
Sum of corrected areas: 4330651

LSC Report - Integrated Chromatogram

Data Path : K:\VOA104\2025\250630B\
Data File : V04250630B06.D
Acq On : 30 Jun 2025 2:13 pm
Operator : VOA104:AJK
Sample : WG2085689-5,31,5,5
Misc : WG2085689,ICAL22360
ALS Vial : 6 Sample Multiplier: 1

Quant Method : K:\VOA104\2025\250630B\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\250630B\
Data File : V04250630B06.D
Acq On : 30 Jun 2025 2:13 pm
Operator : VOA104:AJK
Sample : WG2085689-5,31,5,5
Misc : WG2085689,ICAL22360
ALS Vial : 6 Sample Multiplier: 1

Quant Method : K:\VOA104\2025\250630B\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\250630B\
 Data File : V04250630B06.D
 Acq On : 30 Jun 2025 2:13 pm
 Operator : VOA104:AJK
 Sample : WG2085689-5,31,5,5
 Misc : WG2085689,ICAL22360
 ALS Vial : 6 Sample Multiplier: 1

Quant Method : K:\VOA104\2025\250630B\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\250630B\
 Data File : V04250630B06.D
 Acq On : 30 Jun 2025 2:13 pm
 Operator : VOA104:AJK
 Sample : WG2085689-5,31,5,5
 Misc : WG2085689,ICAL22360
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 30 14:34:09 2025
 Quant Method : K:\VOA104\2025\250630B\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\250630B\V04250630B01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.377	96	349402	20.000	ug/L	0.00
Standard Area 1 = 360029			Recovery	=	97.05%	
59) Chlorobenzene-d5	8.843	117	265948	20.000	ug/L	0.00
Standard Area 1 = 263759			Recovery	=	100.83%	
79) 1,4-Dichlorobenzene-d4	11.674	152	151625	20.000	ug/L	0.00
Standard Area 1 = 136893			Recovery	=	110.76%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.612	113	92294	18.401	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	92.01%	
43) 1,2-Dichloroethane-d4	5.110	65	77425	17.197	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	85.98%	
60) Toluene-d8	7.024	98	323948	17.878	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	89.39%	
83) 4-Bromofluorobenzene	10.400	95	118147	17.275	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	86.37%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.403	85	73	N.D.		
3) Chloromethane	0.000		0	N.D.	d	
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.875	94	4563	0.827	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	3607	0.217	ug/L	97
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.018	84	3613	0.636	ug/L	84
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	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	4.455	83	1736	0.180	ug/L #	80
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\VOA104\2025\250630B\
 Data File : V04250630B06.D
 Acq On : 30 Jun 2025 2:13 pm
 Operator : VOA104:AJK
 Sample : WG2085689-5,31,5,5
 Misc : WG2085689,ICAL22360
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 30 14:34:09 2025
 Quant Method : K:\VOA104\2025\250630B\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\250630B\V04250630B01.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	4.790	43	50		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.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	8.958	91	48		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	11.616	146	164		N.D.	
101) 1,4-Dichlorobenzene	11.695	146	357		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	13.619	180	357		N.D.	
111) 1,2,3-Trichlorobenzene	14.049	180	585		N.D.	

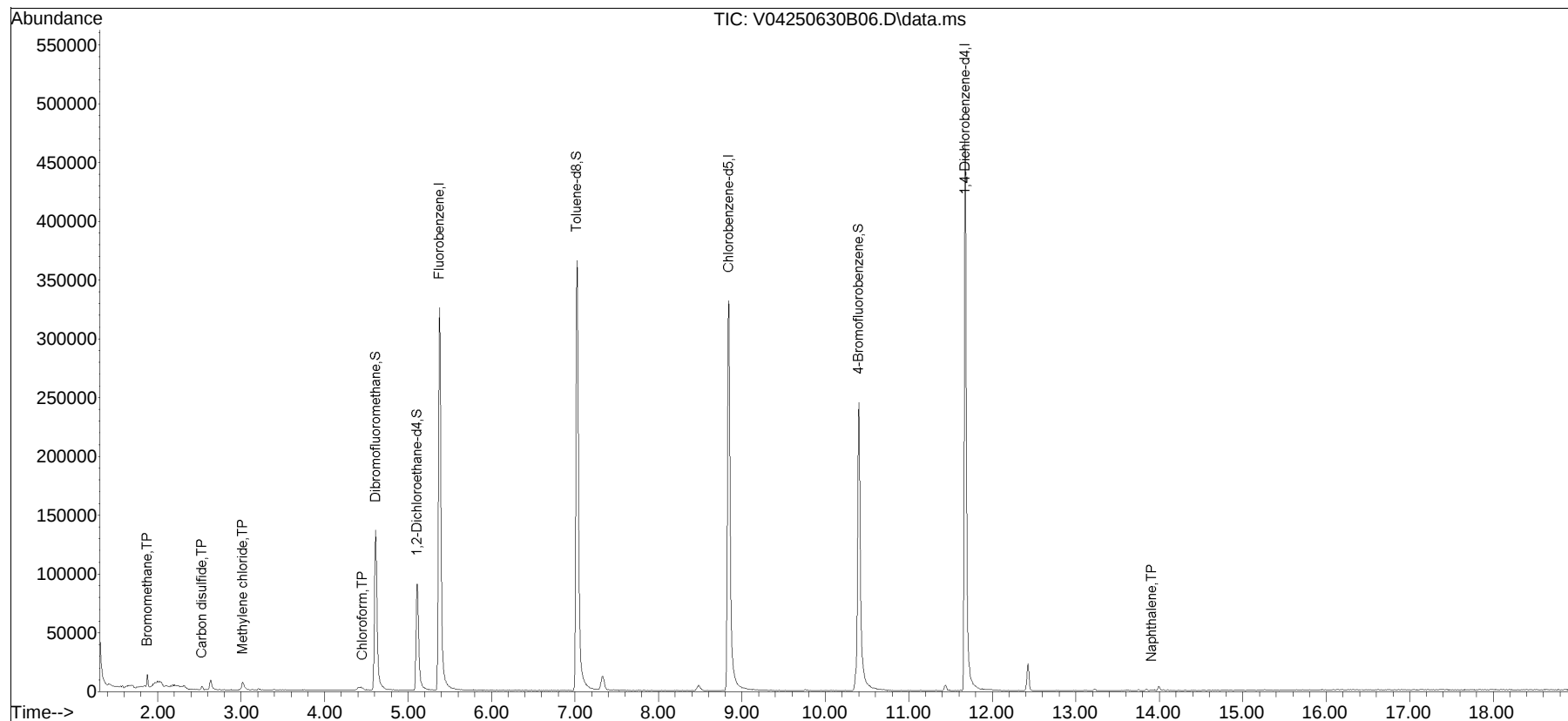
(#) = qualifier out of range (m) = manual integration (+) = signals summed

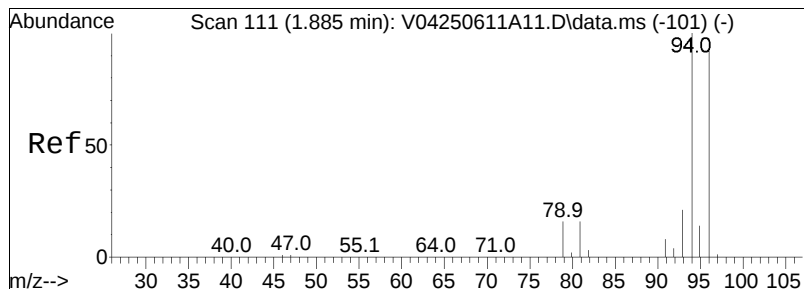
Quantitation Report (QT Reviewed)

Data Path : K:\VOA104\2025\250630B\
 Data File : V04250630B06.D
 Acq On : 30 Jun 2025 2:13 pm
 Operator : VOA104:AJK
 Sample : WG2085689-5,31,5,5
 Misc : WG2085689,ICAL22360
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 30 14:34:09 2025
 Quant Method : K:\VOA104\2025\250630B\V104_250611A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jun 12 14:02:06 2025
 Response via : Initial Calibration

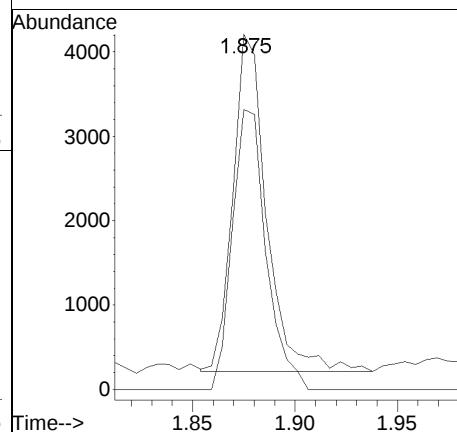
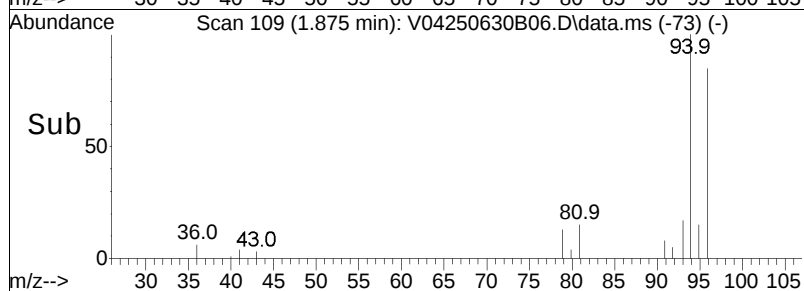
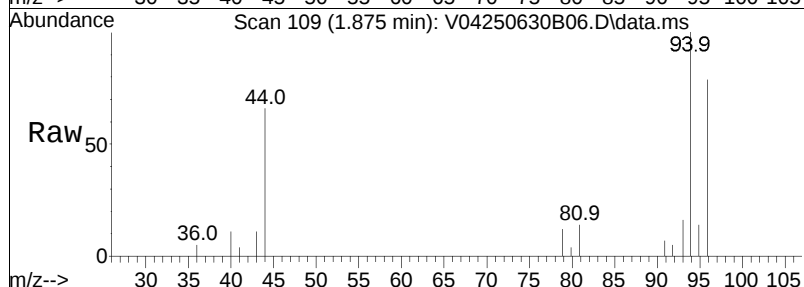
Sub List : 8260-CurveSoil - Megamix plus Diox30B01.D•

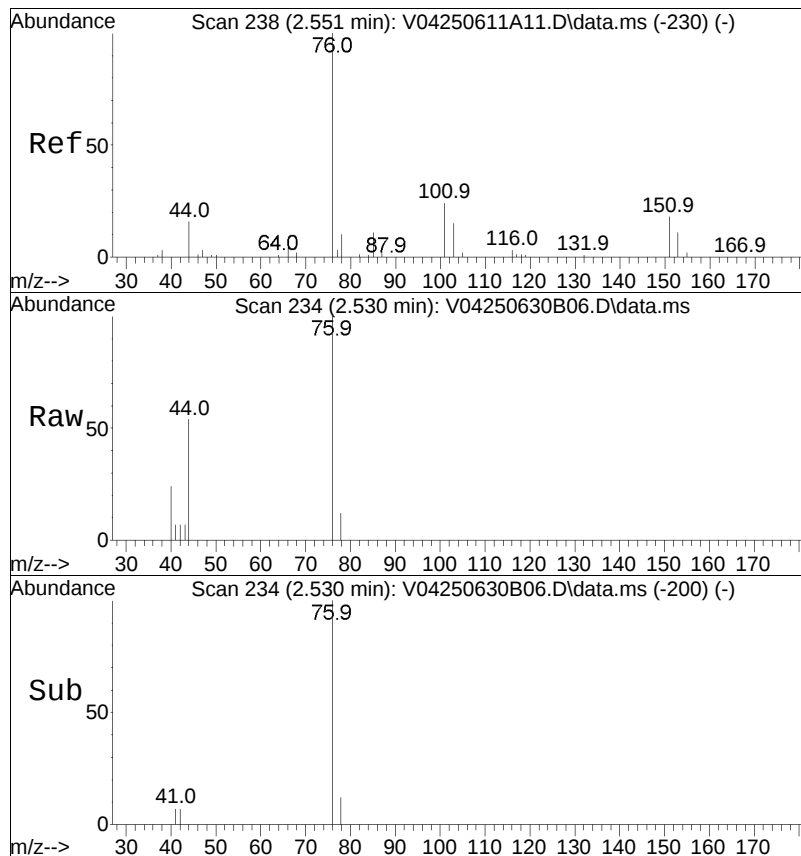




#5
 Bromomethane
 Concen: 0.83 ug/L
 RT: 1.875 min Scan# 109
 Delta R.T. -0.010 min
 Lab File: V04250630B06.D
 Acq: 30 Jun 2025 2:13 pm

Tgt Ion: 94 Resp: 4563
 Ion Ratio Lower Upper
 94 100
 96 83.5 71.0 111.0





#11

Carbon disulfide

Concen: 0.22 ug/L

RT: 2.530 min Scan# 234

Delta R.T. -0.021 min

Lab File: V04250630B06.D

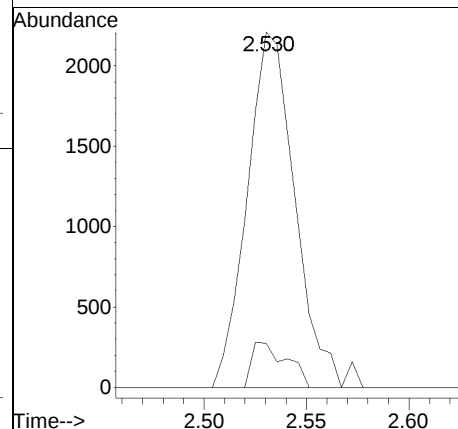
Acq: 30 Jun 2025 2:13 pm

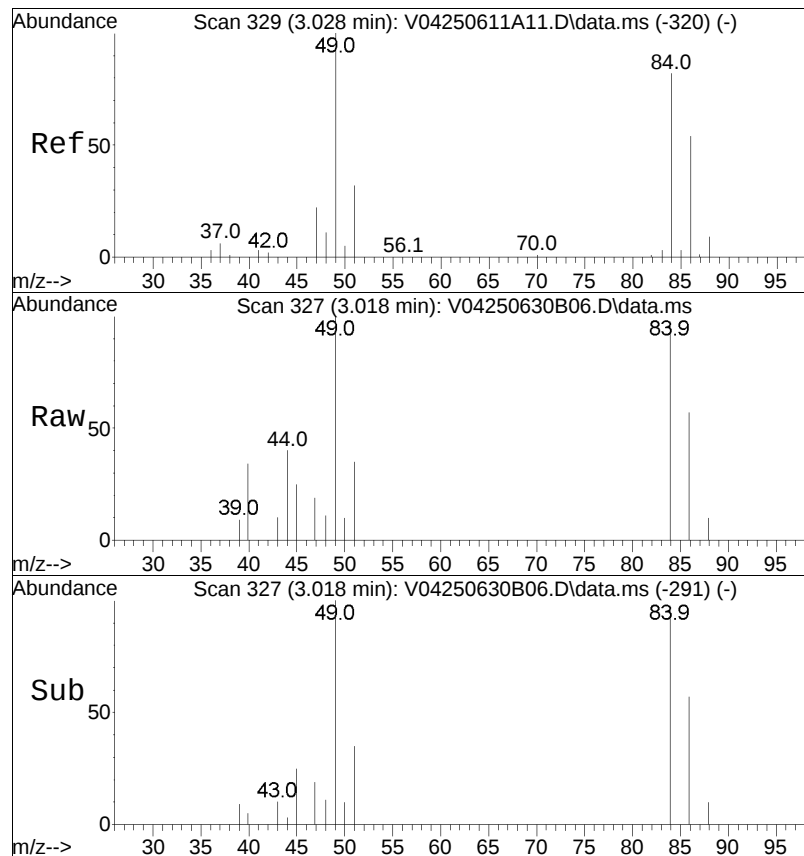
Tgt Ion: 76 Resp: 3607

Ion Ratio Lower Upper

76 100

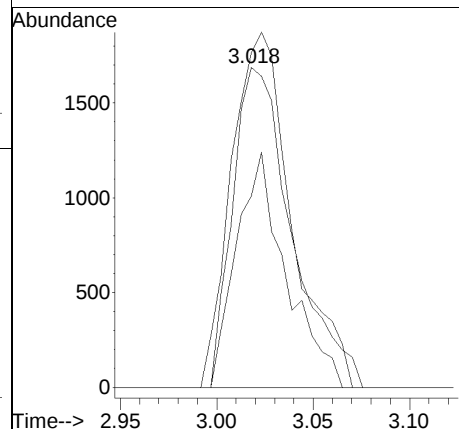
78 9.1 6.6 13.8

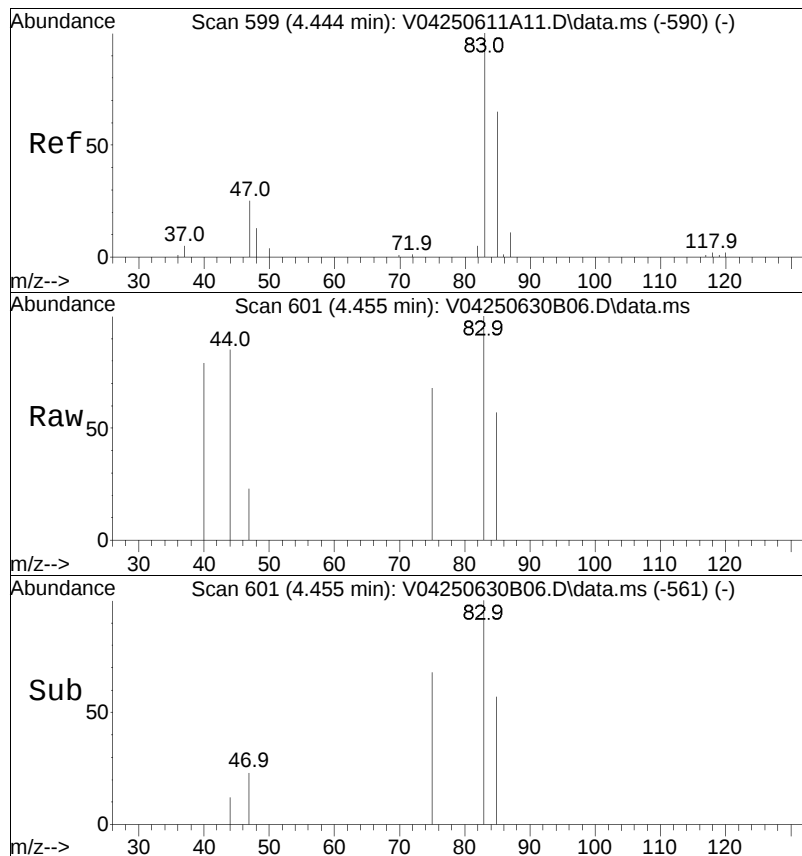




#15
Methylene chloride
Concen: 0.64 ug/L
RT: 3.018 min Scan# 327
Delta R.T. -0.010 min
Lab File: V04250630B06.D
Acq: 30 Jun 2025 2:13 pm

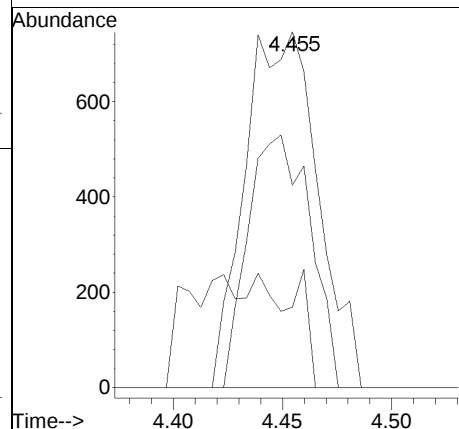
Tgt Ion:	84	Resp:	3613
Ion Ratio	Lower	Upper	
84	100		
86	61.6	41.3	85.9
49	113.1	91.0	189.0





#32
 Chloroform
 Concen: 0.18 ug/L
 RT: 4.455 min Scan# 601
 Delta R.T. 0.011 min
 Lab File: V04250630B06.D
 Acq: 30 Jun 2025 2:13 pm

Tgt Ion: 83	Resp: 1736
Ion Ratio	Lower Upper
83 100	
85 60.5	41.9 87.1
47 0.0	16.7 34.7#
48 0.0	7.9 16.3#



Manual Integration Report

Data Path	: K:\V0A104\2025\250630B\	QMethod	: V104_250611A_8260.m
Data File	: V04250630B06.D	Operator	: V0A104:AJK
Date Inj'd	: 6/30/2025 2:13 pm	Instrument	: V0A104
Sample	: WG2085689-5,31,5,5	Quant Date	: 6/30/2025 2:33 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250701\
 Data File : J250701A06.D
 Acq On : 1 Jul 2025 5:41 am
 Operator : JACK:MCM
 Sample : WG2085650-5,31,10,10,,b
 Misc : WG2085650,ICAL22416
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:51:14 2025
 Quant Method : K:\Jack\2025\250701\VJ_250624_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 24 11:26:16 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250701\J250701A02.D
 Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

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

Internal Standards						
1) Fluorobenzene	5.890	96	123514	10.000	ug/L	0.00
Standard Area 1 = 139491			Recovery =	88.55%		
63) Chlorobenzene-d5	9.434	117	94589	10.000	ug/L	0.00
Standard Area 1 = 102706			Recovery =	92.10%		
84) 1,4-Dichlorobenzene-d4	12.165	152	53925	10.000	ug/L	0.00
Standard Area 1 = 60928			Recovery =	88.51%		
System Monitoring Compounds						
39) Dibromofluoromethane	5.082	113	33065	10.281	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.81%		
47) 1,2-Dichloroethane-d4	5.605	65	43040	11.003	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	110.03%		
64) Toluene-d8	7.588	98	128895	10.258	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.58%		
88) 4-Bromofluorobenzene	10.945	95	49450	10.309	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.09%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.371	85	71	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.	d	
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	2.866	76	81	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.384	84	1440	0.438	ug/L #	54
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.518	43	57	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	4.907	83	54	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250701\
 Data File : J250701A06.D
 Acq On : 1 Jul 2025 5:41 am
 Operator : JACK:MCM
 Sample : WG2085650-5,31,10,10,,b
 Misc : WG2085650,ICAL22416
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:51:14 2025
 Quant Method : K:\Jack\2025\250701\VJ_250624_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 24 11:26:16 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250701\J250701A02.D
 Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	0.000		0		N.D.	
42)	2-Butanone	5.059	43	53		N.D.	
45)	Benzene	0.000		0		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	7.640	92	150		N.D.	
66)	4-Methyl-2-pentanone	0.000		0		N.D.	
67)	Tetrachloroethene	8.083	166	955	0.285	ug/L	88
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	9.507	91	289		N.D.	
81)	p/m Xylene	9.698	106	308		N.D.	
82)	o Xylene	10.239	106	136		N.D.	
83)	Styrene	0.000		0		N.D.	
85)	Bromoform	0.000		0		N.D.	
87)	Isopropylbenzene	0.000		0		N.D.	
92)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105)	1,3-Dichlorobenzene	0.000		0		N.D.	
106)	1,4-Dichlorobenzene	0.000		0		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	0.000		0		N.D.	
116)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

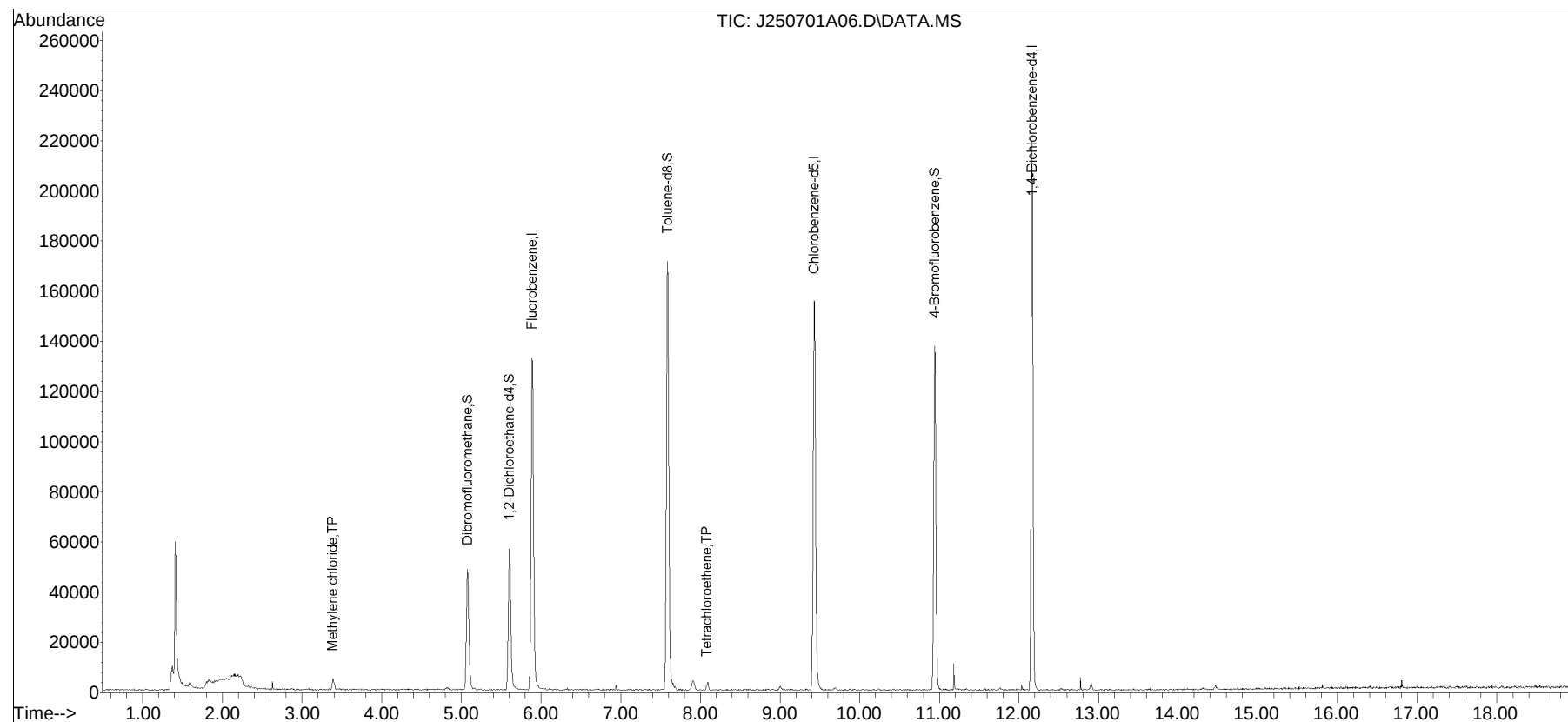
(#) = qualifier out of range (m) = manual integration (+) = signals summed

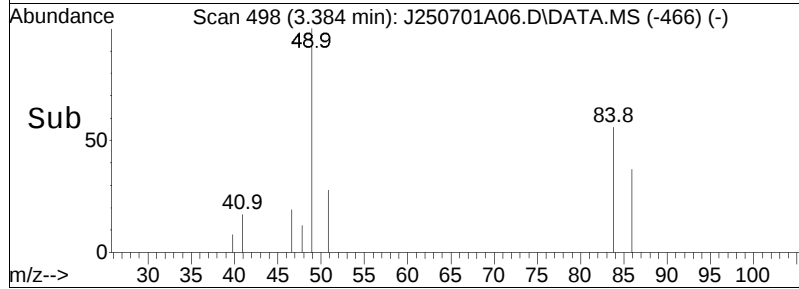
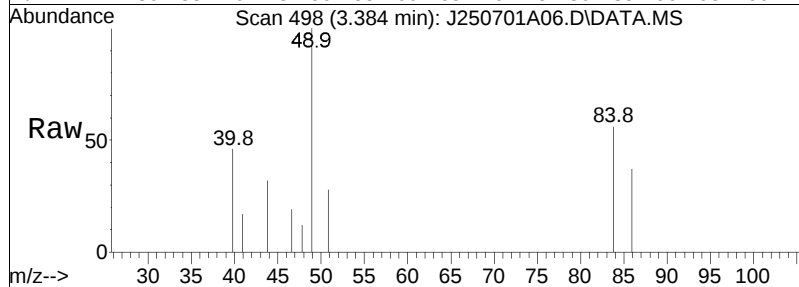
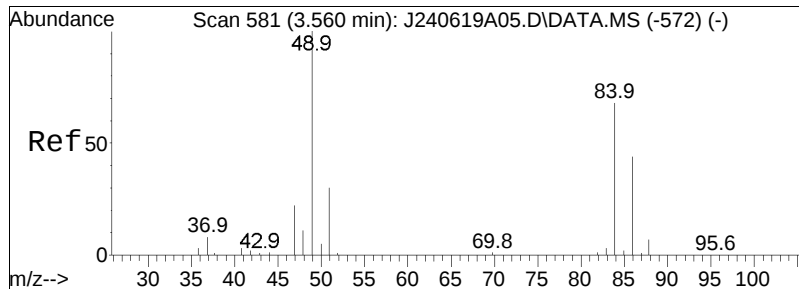
Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250701\
 Data File : J250701A06.D
 Acq On : 1 Jul 2025 5:41 am
 Operator : JACK:MCM
 Sample : WG2085650-5,31,10,10,,b
 Misc : WG2085650,ICAL22416
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 08:51:14 2025
 Quant Method : K:\Jack\2025\250701\VJ_250624_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 24 11:26:16 2025
 Response via : Initial Calibration

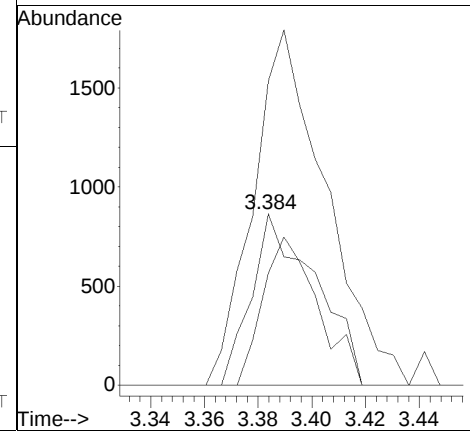
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

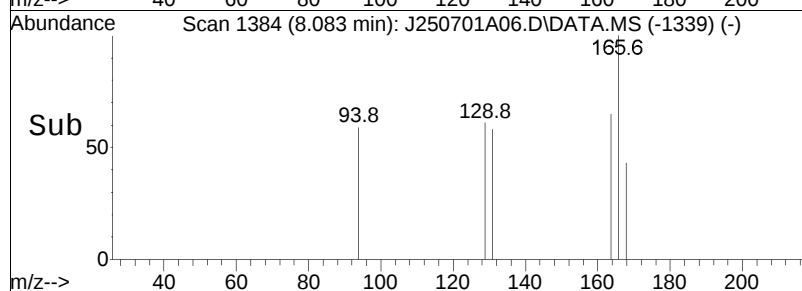
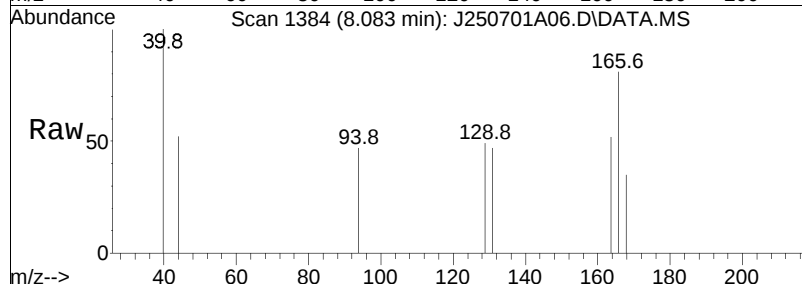
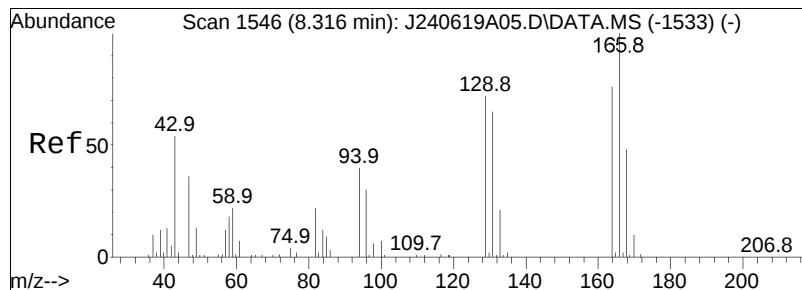




#15
Methylene chloride
Concen: 0.44 ug/L
RT: 3.384 min Scan# 498
Delta R.T. -0.012 min
Lab File: J250701A06.D
Acq: 1 Jul 2025 5:41 am

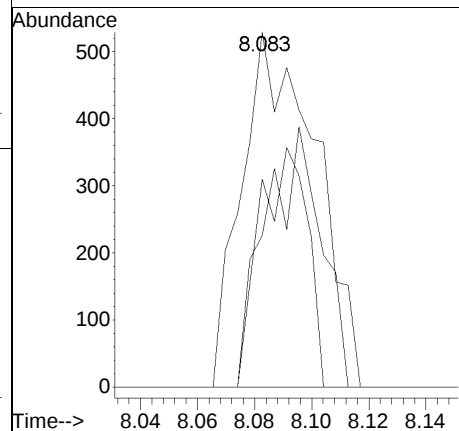
Tgt Ion: 84 Resp: 1440
Ion Ratio Lower Upper
84 100
86 74.1 41.7 86.5
49 239.0 103.9 215.9#





#67
Tetrachloroethene
Concen: 0.29 ug/L
RT: 8.083 min Scan# 1384
Delta R.T. -0.008 min
Lab File: J250701A06.D
Acq: 1 Jul 2025 5:41 am

Tgt Ion	Ratio	Lower	Upper
166	100		
168	54.7	38.6	58.0
94	43.5	42.6	63.8



Manual Integration Report

Data Path	: K:\Jack\2025\250701\	QMethod	: VJ_250624_8260.m
Data File	: J250701A06.D	Operator	: JACK:MCM
Date Inj'd	: 7/1/2025 5:41 am	Instrument	: Jack
Sample	: WG2085650-5,31,10,10,,b	Quant Date	: 7/1/2025 6:02 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 : L2540011-01
 Client ID : UST-N2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,6010D
 Lab File ID : WG2086063.pdf
 Sample Amount : 1.32g
 Digestion Method : EPA 3050B

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : 06/25/25 11:30
 Date Received : 06/25/25
 Date Analyzed : 07/02/25 14:42
 Dilution Factor : 2
 Analyst : DHL
 Instrument ID : TRACE8
 %Solids : 87
 Date Digested : 07/02/25

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-92-1	Lead, Total	4.63	4.37	0.208	



Form 1 METALS

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540011-02
 Client ID : UST-S2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,6010D
 Lab File ID : WG2086063.pdf
 Sample Amount : 1.313g
 Digestion Method : EPA 3050B

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : 06/25/25 13:30
 Date Received : 06/25/25
 Date Analyzed : 07/02/25 14:46
 Dilution Factor : 2
 Analyst : DHL
 Instrument ID : TRACE8
 %Solids : 85
 Date Digested : 07/02/25

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-92-1	Lead, Total	4.16	4.50	0.214	J



Form 1

METALS

Client : Phoenix Environmental
Project Name : RAMSEY SD
Lab ID : WG2086120-1
Client ID : WG2086120-1BLANK
Sample Location :
Sample Matrix : SOIL
Analytical Method : 1,6010D
Lab File ID : WG2086063.pdf
Sample Amount : 1.25g
Digestion Method : EPA 3050B

Lab Number : L2540011
Project Number : RAMSEY SD
Date Collected : NA
Date Received : NA
Date Analyzed : 07/02/25 14:15
Dilution Factor : 1
Analyst : DHL
Instrument ID : TRACE8
%Solids : NA
Date Digested : 07/02/25

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 : L2540011
Project Number : RAMSEY SD

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID	: R1983780-2		R1983780-7	R1983780-9	R1983780-11		WG2086120-1	
Date Analyzed	: 07/02/25 06:03		07/02/25 07:13	07/02/25 08:05	07/02/25 10:12		07/02/25 14:15	
	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 : L2540011
 Project Number : RAMSEY SD

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID	: R1983780-4		R1983780-13	R1983780-15	R1983780-17			
Date Analyzed	: 07/02/25 06:10		07/02/25 10:50	07/02/25 11:37	07/02/25 12:41			
	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 : L2540011
 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 :			R1983780-19		R1983780-21			
Date Analyzed :			07/02/25 13:58		07/02/25 14:53			
Lead			0.00238	U	0.00238	U		



Calibration Summary

Form 2A

Initial and Continuing Calibration Verification

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

Lab Number : L2540011
 Project Number : RAMSEY SD
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Lab ID :	R1983780-1									
Date Analyzed :	07/02/25 05:59									
Lead	0.500	0.5000	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 : TRACE8

Lab Number : L2540011
 Project Number : RAMSEY SD
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)					
	Lab ID	Date Analyzed		Lab ID	Date Analyzed				
	R1983780-3	07/02/25 06:06		R1983780-6	07/02/25 07:10		R1983780-8	07/02/25 08:02	R1983780-10
	True	Found	%R	True	Found	%R	Found	%R	Found
Lead	0.500	0.5030	101	0.5000	0.498	100	0.497	99	0.500

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 : L2540011
 Project Number : RAMSEY SD
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R1983780-12			R1983780-14		R1983780-16	
					True	Found	%R	Found	%R	Found	%R
Lead					0.5000	0.505	101	0.502	100	0.500	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 : TRACE8

Lab Number : L2540011
 Project Number : RAMSEY SD
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R1983780-18			R1983780-20			
					True	Found	%R	Found	%R	Found	%R
Lead					0.5000	0.499	100	0.500	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 : TRACE8

Lab Number : L2540011
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
Lead			-0.0128						

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 : WG2086120-2
 Dup Sample ID :

Lab Number : L2540011
 Project Number : RAMSEY SD
 Matrix : SOIL
 LCS Analysis Date : 07/02/25 14:19
 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	41.9	99.					80-120	20



Run Logs

Form 13

Analysis Run Log

Client : Phoenix Environmental
Project Name : RAMSEY SD
Instrument ID : TRACE8
Start Date : 07/02/25 05:59

Lab Number : L2540011
Project Number : RAMSEY SD
Analysis Method : 1,6010D
End Date : 07/02/25 14:53

[illegible]

Digestion Logs

ICP

Form 12

Preparation Log

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

Lab Number : L2540011
Project Number : RAMSEY SD
Prep Method : EPA 3050B

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2540011-01	07/02/25 10:57	1.32	-
L2540011-02	07/02/25 10:57	1.31	-
WG2086120-1	07/02/25 10:57	1.25	-
WG2086120-2	07/02/25 10:57	1.25	-

Inorganic Data (ICPMS Analysis)

Sample Results Summary

Form 1

METALS

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540011-01
 Client ID : UST-N2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,6020B
 Lab File ID : WG2086092.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3015

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : 06/25/25 11:30
 Date Received : 06/25/25
 Date Analyzed : 07/02/25 14:08
 Dilution Factor : 10
 Analyst : BLR
 Instrument ID : ICPMSQ2
 %Solids : 87
 Date Digested : 07/02/25
 Date Extracted : 06/26/25

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
7439-92-1	Lead, SPLP	11.0	10.0	3.43	



Form 1

METALS

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540011-02
 Client ID : UST-S2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,6020B
 Lab File ID : WG2086092.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3015

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : 06/25/25 13:30
 Date Received : 06/25/25
 Date Analyzed : 07/02/25 14:58
 Dilution Factor : 10
 Analyst : BLR
 Instrument ID : ICPMSQ2
 %Solids : 85
 Date Digested : 07/02/25
 Date Extracted : 06/26/25

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
7439-92-1	Lead, SPLP	3.68	10.0	3.43	J



Form 1 METALS

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : WG2086210-1
 Client ID : WG2086210-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,6020B
 Lab File ID : WG2086092.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3015

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 07/02/25 13:54
 Dilution Factor : 10
 Analyst : BLR
 Instrument ID : ICPMSQ2
 %Solids : NA
 Date Digested : 07/02/25
 Date Extracted : 06/26/25

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 : WG2086210-4
 Client ID : UST-N2DUP
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,6020B
 Lab File ID : WG2086092.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3015

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : 06/25/25 11:30
 Date Received : 06/25/25
 Date Analyzed : 07/02/25 14:17
 Dilution Factor : 10
 Analyst : BLR
 Instrument ID : ICPMSQ2
 %Solids : 87
 Date Digested : 07/02/25

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
7439-92-1	Lead, SPLP	11.5	10.0	3.43	



Blank Results Summary

Form 3 Blanks

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : ICPMSQ2

Lab Number : L2540011
 Project Number : RAMSEY SD

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID	: R1983719-2		R1983719-5	R1983719-7	R1983719-10		WG2086210-1	
Date Analyzed	: 07/02/25 07:26		07/02/25 07:51	07/02/25 08:46	07/02/25 09:43		07/02/25 13:54	
	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
							3.43	U



Form 3 Blanks

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : ICPMSQ2

Lab Number : L2540011
 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 :			R1983719-12		R1983719-14		R1983719-16	
Date Analyzed :			07/02/25 09:54		07/02/25 10:55		07/02/25 11:17	
Lead			0.343	U	0.343	U	0.343	U



Form 3 Blanks

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : ICPMSQ2

Lab Number : L2540011
 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 :			R1983719-18		R1983719-20		R1983719-22	
Date Analyzed :			07/02/25 12:12		07/02/25 12:36		07/02/25 13:39	
Lead			0.343	U	0.343	U	0.343	U



Form 3 Blanks

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : ICPMSQ2

Lab Number : L2540011
 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 :			R1983719-24		R1983719-26		R1983719-28	
Date Analyzed :			07/02/25 13:48		07/02/25 14:44		07/02/25 15:07	
Lead			0.343	U	0.343	U	0.343	U



Calibration Summary

Form 2A

Initial and Continuing Calibration Verification

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : ICPMSQ2

Lab Number : L2540011
 Project Number : RAMSEY SD
 Units : ug/l

	Initial Calibration			Continuing Calibration(s)							
	Lab ID	: R1983719-1			R1983719-4			R1983719-6		R1983719-9	
	Date Analyzed	: 07/02/25 07:22			07/02/25 07:46			07/02/25 08:42		07/02/25 09:39	
Parameter		True	Found	%R	True	Found	%R	Found	%R	Found	%R
Lead		50.0	51.5000	103	60.0000	59.6	99	58.3	97	58.2	97

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 : ICPMSQ2

Lab Number : L2540011
 Project Number : RAMSEY SD
 Units : ug/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R1983719-11 07/02/25 09:50			R1983719-13 07/02/25 10:51		R1983719-15 07/02/25 11:13	
					True	Found	%R	Found	%R	Found	%R
Lead					60.0000	57.4	96	58.8	98	57.7	96

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 : ICPMSQ2

Lab Number : L2540011
 Project Number : RAMSEY SD
 Units : ug/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R1983719-17			R1983719-19		R1983719-21	
					True	Found	%R	Found	%R	Found	%R
Lead					60.0000	57.8	96	56.7	94	57.8	96

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 : ICPMSQ2

Lab Number : L2540011
 Project Number : RAMSEY SD
 Units : ug/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R1983719-23			R1983719-25		R1983719-27	
					07/02/25 13:44			07/02/25 14:39		07/02/25 15:03	
					True	Found	%R	Found	%R	Found	%R
Lead					60.0000	58.6	98	57.8	96	58.0	97

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 : ICPMSQ2

Lab Number : L2540011
Project Number : RAMSEY SD
Concentration Units : ug/l

Analyte	True		Initial Found				Final Found			
	Lab ID :		R1983719-3							
	Analysis Date :		07/02/25 07:33							
	Sol.	Sol.	Sol.		Sol.		Sol.		Sol.	
	A	AB	A	%R	AB	%R	A	%R	AB	%R
Lead				1.24						

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-N2
 Lab Sample ID : L2540011-01
 Matrix Spike : WG2086210-3
 Matrix Spike Dup :

Lab Number : L2540011
 Project Number : RAMSEY SD
 Matrix : SOIL
 MS Analysis Date : 07/02/25 14:13
 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	11.0	530	512.	94					80-120	20



Duplicate Sample Results Summary

Form 6 Lab Duplicates

Client : Phoenix Environmental
Project Name : RAMSEY SD
Client Sample ID : UST-N2
Lab Sample ID : L2540011-01
Dup Sample ID : WG2086210-4

Lab Number : L2540011
Project Number : RAMSEY SD
Matrix : SOIL
Analysis Date : 07/02/25 14:08
DUP Analysis Date : 07/02/25 14:17

Parameter	Sample Concentration (ug/l)	Duplicate Concentration (ug/l)	RPD	RPD Limit
Lead, SPLP	11.0	11.5	4	20



LCS Sample Results Summary

Form 7

Laboratory Control Sample

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Client Sample ID : NA
 Lab Sample ID : WG2086210-2
 Dup Sample ID :

Lab Number : L2540011
 Project Number : RAMSEY SD
 Matrix : SOIL
 LCS Analysis Date : 07/02/25 14:04
 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.	508.	96.					80-120	20



Internal Standard Summary

Form 15

ICP-MS Internal Standards Relative Intensity Summary

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : ICPMSQ2
 Start Date : 07/02/25

Lab Number : L2540011
 Project Number : RAMSEY SD
 Analysis Method : 1,6020B
 End Date : 07/02/25

Sample #	Time	Internal Standards %RI For:				
		Lithium	Scandium	Ge	In	Bismuth
R1983719-1 ICV	07:22:16	101	100	98	98	96
R1983719-2 ICB	07:26:47	100	98	94	95	95
R1983719-3 ICSA	07:33:06	74	80	90	94	75
R1983719-4 CCV	07:46:32	90	94	96	95	91
R1983719-5 CCB	07:51:04	90	92	96	94	93
R1983719-6 CCV	08:42:09	85	91	93	90	88
R1983719-7 CCB	08:46:41	85	88	94	92	90
R1983719-9 CCV	09:39:28	88	95	96	94	90
R1983719-10 CCB	09:43:59	87	90	94	91	89
R1983719-11 CCV	09:50:21	88	94	94	92	89
R1983719-12 CCB	09:54:52	89	94	98	95	94
R1983719-13 CCV	10:51:01	88	94	97	94	89
R1983719-14 CCB	10:55:33	88	89	96	96	93
R1983719-15 CCV	11:13:22	94	103	97	96	92
R1983719-16 CCB	11:17:53	90	92	96	93	92
R1983719-17 CCV	12:07:55	92	102	102	99	94
R1983719-18 CCB	12:12:27	91	96	102	99	94
R1983719-19 CCV	12:32:05	95	102	100	98	94
R1983719-20 CCB	12:36:36	96	99	102	101	96
R1983719-21 CCV	13:34:30	99	105	107	104	98
R1983719-22 CCB	13:39:02	96	100	103	100	97
R1983719-23 CCV	13:44:12	97	104	102	101	95
R1983719-24 CCB	13:48:44	97	100	103	100	97
WG2086210-1 BLANK	13:54:23	95	98	100	98	94
WG2086210-2 LCS	14:04:06	96	97	101	98	94
L2540011-01	14:08:35	99	103	102	101	95
WG2086210-3 MS	14:13:05	99	105	106	103	100



Form 15
ICP-MS Internal Standards Relative Intensity Summary

Client : Phoenix Environmental
Project Name : RAMSEY SD
Instrument ID : ICPMSQ2
Start Date : 07/02/25

Lab Number : L2540011
Project Number : RAMSEY SD
Analysis Method : 1,6020B
End Date : 07/02/25

Sample #	Time	Internal Standards %RI For:				
		Lithium	Scandium	Ge	In	Bismuth
WG2086210-4 DUP	14:17:35	96	98	103	101	96
R1983719-25 CCV	14:39:59	99	105	108	107	102
R1983719-26 CCB	14:44:31	100	103	101	99	95
L2540011-02	14:58:14	98	99	101	99	95
R1983719-27 CCV	15:03:05	100	103	102	101	95
R1983719-28 CCB	15:07:37	98	100	100	99	96



Run Logs

Form 13

Analysis Run Log

Client : Phoenix Environmental
Project Name : RAMSEY SD
Instrument ID : ICPMSQ2
Start Date : 07/02/25 06:23

Lab Number : L2540011
Project Number : RAMSEY SD
Analysis Method : 1,6020B
End Date : 07/02/25 15:07

[illegible]

Form 13

Analysis Run Log

Client : Phoenix Environmental
Project Name : RAMSEY SD
Instrument ID : ICPMSQ2
Start Date : 07/02/25 06:23

Lab Number : L2540011
Project Number : RAMSEY SD
Analysis Method : 1,6020B
End Date : 07/02/25 15:07

[illegible]

Digestion Logs

ICPMS

Form 12

Preparation Log

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

Lab Number : L2540011
Project Number : RAMSEY SD
Prep Method : EPA 3015

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2540011-01	07/02/25 12:05	-	50
L2540011-02	07/02/25 12:05	-	50
WG2086210-1	07/02/25 12:05	-	50
WG2086210-2	07/02/25 12:05	-	50
WG2086210-3	07/02/25 12:05	-	50
WG2086210-4	07/02/25 12:05	-	50



Wet Chemistry

Total Solids / Percent Moisture Analysis

Results Summary

Form 1

WETCHEM

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540011-01
 Client ID : UST-N2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG2084798.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : 06/25/25 11:30
 Date Received : 06/25/25
 Date Analyzed : 06/28/25 19:35
 Dilution Factor : 1
 Analyst : SJB
 Instrument ID : BALANCE#53
 %Solids : 87
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	86.6	0.100	NA	



Form 1

WETCHEM

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540011-02
 Client ID : UST-S2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG2084798.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2540011
 Project Number : RAMSEY SD
 Date Collected : 06/25/25 13:30
 Date Received : 06/25/25
 Date Analyzed : 06/28/25 19:35
 Dilution Factor : 1
 Analyst : SJB
 Instrument ID : BALANCE#53
 %Solids : 85
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	84.6	0.100	NA	

