



Lab Number: L2539397

Client: Phoenix Environmental

ATTN: James Barish

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: L2539397		NJDEP Certification #: MA935/MA015	
Date of First Sample Receipt: 06/23/2025		Date of Last Sample Receipt: 06/23/2025	
Agency Sample Number	Laboratory Sample Number	Sample Location	Date/Time of Collection
UST W-1	L2539397-01	RAMSEY SD	06/23/2025 12:13
UST N-1	L2539397-02	RAMSEY SD	06/23/2025 13:00

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) Kelly ONeill	07/02/25
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Technical Director/Representative (Signature)	
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Kelly ONeill

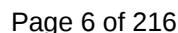
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Chain of Custody



PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Jul 02 2025, 06:52 pm

Login Number: L2539397

Account: PHOENIX-NJ Phoenix Environmental Project: RAMSEY SD

Received: 23JUN25 Due Date: 30JUN25

Sample # Client ID Mat PR Collected

L2539397-01 UST W-1

3 3E 23JUN25 12:13

PREPP: Metals NJ-8260HLW: Non-Routine: ;Tert-Butyl Alcohol NJ-RED Package Due Date: 06/30/25

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

L2539397-02 UST N-1

3 3E 23JUN25 13:00

PREPP: Metals NJ-8260HLW: Non-Routine: ;Tert-Butyl Alcohol Package Due Date: 06/30/25

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

PACE ANALYTICAL SERVICES **Container Tracking Report**

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2539397-01A	Encore-5	EMPTY	24-JUN-25	CUSTODY	CUSTODY	Luis Ortiz	VOA CUSTODY	VOA CUSTODY	Luis Ortiz
L2539397-01A	Encore-5	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-01B	Encore-5	EMPTY	24-JUN-25	CUSTODY	CUSTODY	Luis Ortiz	VOA CUSTODY	VOA CUSTODY	Luis Ortiz
L2539397-01B	Encore-5	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-01C	Encore-5	EMPTY	24-JUN-25	CUSTODY	CUSTODY	Luis Ortiz	VOA CUSTODY	VOA CUSTODY	Luis Ortiz
L2539397-01C	Encore-5	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-01D	Encore-25	INTACT	24-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	VOA CUSTODY	VOA CUSTODY	Gregory Ramos
L2539397-01D	Encore-25	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-01E	Encore-25	EMPTY	24-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	VOA CUSTODY	VOA CUSTODY	Gregory Ramos
L2539397-01E	Encore-25	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-01F	Glass-AM.06	INTACT	28-JUN-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY-MET1-S4	Sarah McLaughlin	A2-CUSTODY-MET1-S5	A2-CUSTODY-MET1-S5	Sarah McLaughlin
L2539397-01F	Glass-AM.06	INTACT	28-JUN-25	A2-CUSTODY-REFRIDGE	A2-METALS PREP	Sarah McLaughlin	A2-CUSTODY-MET1-S4	A2-CUSTODY-MET1-S4	Sarah McLaughlin
L2539397-01F	Glass-AM.06	INTACT	28-JUN-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY-MET4-S4	Sarah McLaughlin	A2-METALS PREP	A2-METALS PREP	Sarah McLaughlin
L2539397-01F	Glass-AM.06	INTACT	24-JUN-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY	Kendal LeBlanc	A2-CUSTODY-MET4-S4	A2-CUSTODY-MET4-S4	Kendal LeBlanc
L2539397-01F	Glass-AM.06	INTACT	24-JUN-25	TRANSIT COURIER	COOLER18-TRANSFER_TO_MANSFIELD	Maile Kolton	A2-CUSTODY	A2-CUSTODY	Marcelo Buden
L2539397-01F	Glass-AM.06	INTACT	24-JUN-25	COOLER18-TRANSFER_TO_MANSFIELD	COOLER18-TRANSFER_TO_MANSFIELD	Maile Kolton	TRANSIT COURIER	COOLER18-TRANSFER_TO_MANSFIELD	Maile Kolton
L2539397-01F	Glass-AM.06	INTACT	24-JUN-25		CUSTODY	Maile Kolton	COOLER18-TRANSFER_TO_MANSFIELD	COOLER18-TRANSFER_TO_MANSFIELD	Maile Kolton
L2539397-01F	Glass-AM.06	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-01G	Plastic-A-TS	INTACT	24-JUN-25		LOGIN	Riley Frankian	RETURN TS WALK-IN CUSTODY	RETURN TS WALK-IN CUSTODY	Riley Frankian
L2539397-01G	Plastic-A-TS	INTACT	24-JUN-25	CUSTODY	CUSTODY	Owen Jefferson	LOGIN	LOGIN	Owen Jefferson
L2539397-01G	Plastic-A-TS	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-01H	Glass-A.25	INTACT	24-JUN-25	CUSTODY	RETURN WALK-IN	CUSTODY Elizabeth Grace	W2-S2-B CUSTODY	W2-S2-B CUSTODY	Elizabeth Grace
L2539397-01H	Glass-A.25	INTACT	24-JUN-25	CUSTODY	ORGPREP	Kristina Arsenault	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Kristina Arsenault
L2539397-01H	Glass-A.25	INTACT	24-JUN-25	CUSTODY	W6-S4-C CUSTODY	Isabel Quintus-Bosz	ORGPREP	ORGPREP	Isabel Quintus-Bosz
L2539397-01H	Glass-A.25	INTACT	24-JUN-25	CUSTODY	CUSTODY	Elizabeth Grace	W6-S4-C CUSTODY	W6-S4-C CUSTODY	Elizabeth Grace

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2539397-01H	Glass-A.25	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-01R	EVial-A	INTACT	25-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	V48-13 CUSTODY	V48-13 CUSTODY	Gregory Ramos
L2539397-01R	EVial-A	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-01S	EVial-A	INTACT	27-JUN-25	CUSTODY	GC/MS	Mike May	VOA-DEAD-CUSTODY-385	VOA-DEAD-CUSTODY-385	Mike May
L2539397-01S	EVial-A	INTACT	26-JUN-25	CUSTODY	V48-13 CUSTODY	Mike May	GC/MS	GC/MS	Mike May
L2539397-01S	EVial-A	INTACT	25-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	V48-13 CUSTODY	V48-13 CUSTODY	Gregory Ramos
L2539397-01S	EVial-A	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-01T	EVial-A	INTACT	30-JUN-25	CUSTODY	VOA-DEAD-CUSTODY-376	Gregory Ramos	VOA-DEAD-CUSTODY-336	VOA-DEAD-CUSTODY-336	Gregory Ramos
L2539397-01T	EVial-A	INTACT	29-JUN-25	CUSTODY	GC/MS	Mike May	VOA-DEAD-CUSTODY-376	VOA-DEAD-CUSTODY-376	Mike May
L2539397-01T	EVial-A	INTACT	28-JUN-25	CUSTODY	V48-13 CUSTODY	Mike May	GC/MS	GC/MS	Mike May
L2539397-01T	EVial-A	INTACT	25-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	V48-13 CUSTODY	V48-13 CUSTODY	Gregory Ramos
L2539397-01T	EVial-A	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-01W	EPlastic-C.25	INTACT	30-JUN-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY-METPREP1	Alexander Gonatas	A2-CUSTODY-WH-2C	A2-CUSTODY-WH-2C	Alexander Gonatas
L2539397-01W	EPlastic-C.25	INTACT	25-JUN-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY	Jessica Ramos	A2-CUSTODY-METPREP1	A2-CUSTODY-METPREP1	Jessica Ramos
L2539397-01W	EPlastic-C.25	INTACT	25-JUN-25	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSFIELD	Prince Asare	A2-CUSTODY	A2-CUSTODY	Marcelo Buden
L2539397-01W	EPlastic-C.25	INTACT	25-JUN-25	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Prince Asare	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSFIELD	Prince Asare
L2539397-01W	EPlastic-C.25	INTACT	25-JUN-25		CUSTODY	Prince Asare	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Prince Asare
L2539397-01W	EPlastic-C.25	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-01X	SVial-F	INTACT	25-JUN-25	CUSTODY	GC	Luis Ortiz	V49-31 CUSTODY	V49-31 CUSTODY	Luis Ortiz
L2539397-01X	SVial-F	INTACT	25-JUN-25	CUSTODY	V49-30 CUSTODY	Luis Ortiz	GC	GC	Luis Ortiz
L2539397-01X	SVial-F	INTACT	24-JUN-25	CUSTODY	CUSTODY	Luis Ortiz	V49-30 CUSTODY	V49-30 CUSTODY	Luis Ortiz
L2539397-01X	SVial-F	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-01Y	SVial-W	INTACT	29-JUN-25	CUSTODY	F66-45 CUSTODY	Tacila Hovagimian	VOA DEAD AMBIENT CUSTODY	VOA DEAD AMBIENT CUSTODY	Tacila Hovagimian
L2539397-01Y	SVial-W	INTACT	27-JUN-25	CUSTODY	F11-29 CUSTODY	Gregory Ramos	F66-45 CUSTODY	F66-45 CUSTODY	Gregory Ramos
L2539397-01Y	SVial-W	INTACT	24-JUN-25	CUSTODY	CUSTODY	Luis Ortiz	F11-29 CUSTODY	F11-29 CUSTODY	Luis Ortiz

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2539397-01Y	SVial-W	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-01Z	SVial-W	INTACT	27-JUN-25	CUSTODY	F11-29 CUSTODY	Gregory Ramos	F66-45 CUSTODY	F66-45 CUSTODY	Gregory Ramos
L2539397-01Z	SVial-W	INTACT	24-JUN-25	CUSTODY	CUSTODY	Luis Ortiz	F11-29 CUSTODY	F11-29 CUSTODY	Luis Ortiz
L2539397-01Z	SVial-W	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-02A	Encore-5	EMPTY	24-JUN-25	CUSTODY	CUSTODY	Luis Ortiz	VOA CUSTODY	VOA CUSTODY	Luis Ortiz
L2539397-02A	Encore-5	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-02B	Encore-5	EMPTY	24-JUN-25	CUSTODY	CUSTODY	Luis Ortiz	VOA CUSTODY	VOA CUSTODY	Luis Ortiz
L2539397-02B	Encore-5	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-02C	Encore-5	EMPTY	24-JUN-25	CUSTODY	CUSTODY	Luis Ortiz	VOA CUSTODY	VOA CUSTODY	Luis Ortiz
L2539397-02C	Encore-5	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-02D	Encore-25	INTACT	24-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	VOA CUSTODY	VOA CUSTODY	Gregory Ramos
L2539397-02D	Encore-25	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-02E	Encore-25	EMPTY	24-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	VOA CUSTODY	VOA CUSTODY	Gregory Ramos
L2539397-02E	Encore-25	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-02F	Glass-AM.06	INTACT	28-JUN-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY-MET1-S4	Sarah McLaughlin	A2-CUSTODY-MET1-S5	A2-CUSTODY-MET1-S5	Sarah McLaughlin
L2539397-02F	Glass-AM.06	INTACT	28-JUN-25	A2-CUSTODY-REFRIDGE	A2-METALS PREP	Sarah McLaughlin	A2-CUSTODY-MET1-S4	A2-CUSTODY-MET1-S4	Sarah McLaughlin
L2539397-02F	Glass-AM.06	INTACT	28-JUN-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY-MET4-S4	Sarah McLaughlin	A2-METALS PREP	A2-METALS PREP	Sarah McLaughlin
L2539397-02F	Glass-AM.06	INTACT	24-JUN-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY	Kendal LeBlanc	A2-CUSTODY-MET4-S4	A2-CUSTODY-MET4-S4	Kendal LeBlanc
L2539397-02F	Glass-AM.06	INTACT	24-JUN-25	TRANSIT COURIER	COOLER18-TRANSFER_TO_MANSFIELD	Maile Kolton	A2-CUSTODY	A2-CUSTODY	Marcelo Buden
L2539397-02F	Glass-AM.06	INTACT	24-JUN-25	COOLER18-TRANSFER_TO_MANSFIELD	COOLER18-TRANSFER_TO_MANSFIELD	Maile Kolton	TRANSIT COURIER	COOLER18-TRANSFER_TO_MANSFIELD	Maile Kolton
L2539397-02F	Glass-AM.06	INTACT	24-JUN-25		CUSTODY	Maile Kolton	COOLER18-TRANSFER_TO_MANSFIELD	COOLER18-TRANSFER_TO_MANSFIELD	Maile Kolton
L2539397-02F	Glass-AM.06	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-02G	Plastic-A-TS	INTACT	24-JUN-25		LOGIN	Riley Frankian	RETURN TS WALK-IN CUSTODY	RETURN TS WALK-IN CUSTODY	Riley Frankian
L2539397-02G	Plastic-A-TS	INTACT	24-JUN-25	CUSTODY	CUSTODY	Owen Jefferson	LOGIN	LOGIN	Owen Jefferson
L2539397-02G	Plastic-A-TS	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2539397-02H	Glass-A.25	INTACT	24-JUN-25	CUSTODY	RETURN WALK-IN	CUSTODY Elizabeth Grace	W2-S2-B	CUSTODY	W2-S2-B CUSTODY Elizabeth Grace
L2539397-02H	Glass-A.25	INTACT	24-JUN-25	CUSTODY	ORGPREP	Kristina Arsenault	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Kristina Arsenault
L2539397-02H	Glass-A.25	INTACT	24-JUN-25	CUSTODY	W6-S4-C	CUSTODY Isabel Quintus-Bosz	ORGPREP	ORGPREP	Isabel Quintus-Bosz
L2539397-02H	Glass-A.25	INTACT	24-JUN-25	CUSTODY	CUSTODY	Elizabeth Grace	W6-S4-C	CUSTODY	W6-S4-C CUSTODY Elizabeth Grace
L2539397-02H	Glass-A.25	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-02R	EVial-A	INTACT	25-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	V48-13	CUSTODY	V48-13 CUSTODY Gregory Ramos
L2539397-02R	EVial-A	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-02S	EVial-A	INTACT	27-JUN-25	CUSTODY	GC/MS	Mike May	VOA-DEAD-CUSTODY-407	VOA-DEAD-CUSTODY-407	Mike May
L2539397-02S	EVial-A	INTACT	26-JUN-25	CUSTODY	V48-13	CUSTODY Mike May	GC/MS	GC/MS	Mike May
L2539397-02S	EVial-A	INTACT	25-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	V48-13	CUSTODY	V48-13 CUSTODY Gregory Ramos
L2539397-02S	EVial-A	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-02T	EVial-A	INTACT	30-JUN-25	CUSTODY	VOA-DEAD-CUSTODY-376	Gregory Ramos	VOA-DEAD-CUSTODY-336	VOA-DEAD-CUSTODY-336	Gregory Ramos
L2539397-02T	EVial-A	INTACT	29-JUN-25	CUSTODY	GC/MS	Mike May	VOA-DEAD-CUSTODY-376	VOA-DEAD-CUSTODY-376	Mike May
L2539397-02T	EVial-A	INTACT	28-JUN-25	CUSTODY	V48-13	CUSTODY Mike May	GC/MS	GC/MS	Mike May
L2539397-02T	EVial-A	INTACT	25-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	V48-13	CUSTODY	V48-13 CUSTODY Gregory Ramos
L2539397-02T	EVial-A	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-02W	EPlastic-C.25	INTACT	30-JUN-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY-METPREP1	Alexander Gonatas	A2-CUSTODY-WH-2C	A2-CUSTODY-WH-2C	Alexander Gonatas
L2539397-02W	EPlastic-C.25	INTACT	25-JUN-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY	Jessica Ramos	A2-CUSTODY-METPREP1	A2-CUSTODY-METPREP1	Jessica Ramos
L2539397-02W	EPlastic-C.25	INTACT	25-JUN-25	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSFIELD	Prince Asare	A2-CUSTODY	A2-CUSTODY	Marcelo Buden
L2539397-02W	EPlastic-C.25	INTACT	25-JUN-25	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Prince Asare	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSFIELD	Prince Asare
L2539397-02W	EPlastic-C.25	INTACT	25-JUN-25		CUSTODY	Prince Asare	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Prince Asare
L2539397-02W	EPlastic-C.25	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-02X	SVial-F	INTACT	25-JUN-25	CUSTODY	GC	Luis Ortiz	V49-31	CUSTODY	V49-31 CUSTODY Luis Ortiz
L2539397-02X	SVial-F	INTACT	25-JUN-25	CUSTODY	V49-30	CUSTODY Luis Ortiz	GC	GC	Luis Ortiz
L2539397-02X	SVial-F	INTACT	24-JUN-25	CUSTODY	CUSTODY	Luis Ortiz	V49-30	CUSTODY	V49-30 CUSTODY Luis Ortiz

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2539397-02X SVial-F	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-02Y SVial-W	INTACT	27-JUN-25	CUSTODY	F11-29 CUSTODY	Gregory Ramos	F66-45 CUSTODY	F66-45 CUSTODY	Gregory Ramos
L2539397-02Y SVial-W	INTACT	24-JUN-25	CUSTODY	CUSTODY	Luis Ortiz	F11-29 CUSTODY	F11-29 CUSTODY	Luis Ortiz
L2539397-02Y SVial-W	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton
L2539397-02Z SVial-W	INTACT	29-JUN-25	CUSTODY	F66-45 CUSTODY	Tacila Hovagimian	VOA DEAD AMBIENT	CUSTODY VOA DEAD AMBIENT	CUSTODY Tacila Hovagimian
L2539397-02Z SVial-W	INTACT	27-JUN-25	CUSTODY	F11-29 CUSTODY	Gregory Ramos	F66-45 CUSTODY	F66-45 CUSTODY	Gregory Ramos
L2539397-02Z SVial-W	INTACT	24-JUN-25	CUSTODY	CUSTODY	Luis Ortiz	F11-29 CUSTODY	F11-29 CUSTODY	Luis Ortiz
L2539397-02Z SVial-W	INTACT	24-JUN-25	LOGIN	LOGIN	Maile Kolton	CUSTODY	CUSTODY	Maile Kolton

Methodology Review

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2539397
Report Date: 07/02/25

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: L2539397

Report Date: 07/02/25

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(*)
L2539397-01A	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2539397-01B	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2539397-01C	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2539397-01D	25 gram Encore Sampler	NA	NA			Y	Absent		NJ-SPLPZHEEXT-DATA(14),NJ-SPLP-EXT-ZHE(2)
L2539397-01E	25 gram Encore Sampler	NA	NA			Y	Absent		NJ-SPLPZHEEXT-DATA(14),NJ-SPLP-EXT-ZHE(2)
L2539397-01F	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		PB-TI(180)
L2539397-01G	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2539397-01H	Glass 250ml/8oz unpreserved	NA	NA			Y	Absent		-
L2539397-01R	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2539397-01S	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2539397-01T	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2539397-01W	Plastic 250ml HNO3 preserved Extracts	NA	NA			Y	Absent		SPLP-PB-6020T-PPB(180)
L2539397-01X	Vial MeOH preserved split	NA	NA			Y	Absent		NJ-8260HLW(14)
L2539397-01X9	Tumble Vessel	NA	NA			Y	Absent		-
L2539397-01Y	Vial Water preserved split	NA	NA			Y	Absent	24-JUN-25 06:50	NJ-8260HLW(14)
L2539397-01Z	Vial Water preserved split	NA	NA			Y	Absent	24-JUN-25 06:50	NJ-8260HLW(14)
L2539397-02A	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2539397-02B	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2539397-02C	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2539397-02D	25 gram Encore Sampler	NA	NA			Y	Absent		NJ-SPLPZHEEXT-DATA(14),NJ-SPLP-EXT-ZHE(2)
L2539397-02E	25 gram Encore Sampler	NA	NA			Y	Absent		NJ-SPLPZHEEXT-DATA(14),NJ-SPLP-EXT-ZHE(2)
L2539397-02F	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		PB-TI(180)

*Values in parentheses indicate holding time in days

Project Name: RAMSEY SD

Project Number: RAMSEY SD

Lab Number: L2539397

Report Date: 07/02/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2539397-02G	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2539397-02H	Glass 250ml/8oz unpreserved	NA	NA			Y	Absent		-
L2539397-02R	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2539397-02S	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2539397-02T	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2539397-02W	Plastic 250ml HNO3 preserved Extracts	NA	NA			Y	Absent		SPLP-PB-6020T-PPB(180)
L2539397-02X	Vial MeOH preserved split	NA	NA			Y	Absent		NJ-8260HLW(14)
L2539397-02X9	Tumble Vessel	NA	NA			Y	Absent		-
L2539397-02Y	Vial Water preserved split	NA	NA			Y	Absent	24-JUN-25 06:50	NJ-8260HLW(14)
L2539397-02Z	Vial Water preserved split	NA	NA			Y	Absent	24-JUN-25 06:50	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: L2539397
Report Date: 07/02/25

**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: L2539397
Report Date: 07/02/25

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: L2539397
Report Date: 07/02/25

Case Narrative (continued)

Report Submission

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

DKQP Related Narratives

Sample Receipt

The analyses performed were specified by the client.

Volatile Organics

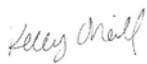
In reference to question 5b:

L2539397-01 and -02: One or more of the target analytes did not achieve the requested regulatory limits.

Total Metals

L2539397-01 and -02: The sample has an elevated detection limit 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: 
Title: Technical Director/Representative

Report Date: 07/02/25

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: L2539397
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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2539397
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Data Qualifiers

the identification is based on a mass spectral library search.

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

SPLP Extraction Data

SPLP Extraction Data Volatile Organics

Results Summary

Form 1

SPLP ZHE Extraction Data by EPA 1312

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2539397-01
 Client ID : UST W-1
 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 : L2539397
 Project Number : RAMSEY SD
 Date Collected : 06/23/25 12:13
 Date Received : 06/23/25
 Date Analyzed : 06/30/25 09:41
 Dilution Factor : 1
 Analyst : GAR
 Instrument ID :
 GC Column :
 %Solids : 87
 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	9.01	SU	-	NA	



Results Summary

Form 1

SPLP ZHE Extraction Data by EPA 1312

Client	: Phoenix Environmental	Lab Number	: L2539397
Project Name	: RAMSEY SD	Project Number	: RAMSEY SD
Lab ID	: L2539397-02	Date Collected	: 06/23/25 13:00
Client ID	: UST N-1	Date Received	: 06/23/25
Sample Location	: RAMSEY, NJ	Date Analyzed	: 06/30/25 09:41
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	: 90
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	8.40	SU	-	NA	



SPLP Extraction Data Non- Volatiles

Results Summary

Form 1

SPLP Extraction Data by EPA 1312

Client : Phoenix Environmental
Project Name : RAMSEY SD
Lab ID : L2539397-01
Client ID : UST W-1
Sample Location : RAMSEY, NJ
Sample Matrix : SOIL
Analytical Method : 1,1312
Lab File ID : --
Sample Amount : 0.1kg

Lab Number : L2539397
Project Number : RAMSEY SD
Date Collected : 06/23/25 12:13
Date Received : 06/23/25
Date Analyzed : 06/25/25 02:35
Dilution Factor : 1
Analyst : JW
Instrument ID :
%Solids : 87

CAS NO.	Parameter	Results	Units	RL	MDL	Qualifier
NONE	Sample Weight	0.100	kg	-	NA	
NONE	Leachate Volume	2.00	l	-	NA	
NONE	pH, Extraction Post-Filtration	9.71	SU	-	NA	



Results Summary

Form 1

SPLP Extraction Data by EPA 1312

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2539397-02
 Client ID : UST N-1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,1312
 Lab File ID : --
 Sample Amount : 0.1kg

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : 06/23/25 13:00
 Date Received : 06/23/25
 Date Analyzed : 06/25/25 02:35
 Dilution Factor : 1
 Analyst : JW
 Instrument ID :
 %Solids : 90

CAS NO.	Parameter	Results	Units	RL	MDL	Qualifier
NONE	Sample Weight	0.100	kg	-	NA	
NONE	Leachate Volume	2.00	l	-	NA	
NONE	pH, Extraction Post-Filtration	9.88	SU	-	NA	



Results Summary
Form 1
SPLP Extraction Data by EPA 1312

Client : Phoenix Environmental
Project Name : RAMSEY SD
Lab ID : WG2084829-1
Client ID : WG2084829-1BLANK
Sample Location :
Sample Matrix : SOIL
Analytical Method : 1,1312
Lab File ID : --
Sample Amount : 0kg

Lab Number : L2539397
Project Number : RAMSEY SD
Date Collected : NA
Date Received : NA
Date Analyzed : 06/25/25 02:35
Dilution Factor : 1
Analyst : JW
Instrument ID :
%Solids : NA

CAS NO.	Parameter	Results	Units	RL	MDL	Qualifier
NONE	Sample Weight	ND	kg	-	NA	U
NONE	Leachate Volume	2.00	I	-	NA	
NONE	pH, Extraction Post-Filtration	6.44	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 : L2539397-01
 Client ID : UST W-1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : J250628A18
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : 06/23/25 12:13
 Date Received : 06/23/25
 Date Analyzed : 06/28/25 10:22
 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 : L2539397-01
 Client ID : UST W-1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : J250628A18
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : 06/23/25 12:13
 Date Received : 06/23/25
 Date Analyzed : 06/28/25 10:22
 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 : L2539397-01
 Client ID : UST W-1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : J250628A18
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : 06/23/25 12:13
 Date Received : 06/23/25
 Date Analyzed : 06/28/25 10:22
 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 : L2539397-01
 Client ID : UST W-1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V29250628A10
 Sample Amount : 5.5 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : 06/23/25 12:13
 Date Received : 06/23/25
 Date Analyzed : 06/28/25 15:13
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA129
 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	0.0031	0.0010	U
123-91-1	1,4-Dioxane	ND	0.084	0.037	U
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00029	U
75-09-2	Methylene chloride	ND	0.0052	0.0024	U
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00015	U
67-66-3	Chloroform	ND	0.0016	0.00015	U
56-23-5	Carbon tetrachloride	ND	0.0010	0.00024	U
78-87-5	1,2-Dichloropropane	ND	0.0010	0.00013	U
124-48-1	Dibromochloromethane	ND	0.0010	0.00015	U
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00028	U
127-18-4	Tetrachloroethene	ND	0.00052	0.00020	U
108-90-7	Chlorobenzene	ND	0.00052	0.00013	U
75-69-4	Trichlorofluoromethane	ND	0.0042	0.00073	U
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00027	U
71-55-6	1,1,1-Trichloroethane	ND	0.00052	0.00018	U
75-27-4	Bromodichloromethane	ND	0.00052	0.00011	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.0010	0.00029	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.00052	0.00016	U
542-75-6	1,3-Dichloropropene, Total	ND	0.00052	0.00016	U
75-25-2	Bromoform	ND	0.0042	0.00026	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.00052	0.00017	U
71-43-2	Benzene	ND	0.00052	0.00017	U
108-88-3	Toluene	ND	0.0010	0.00057	U
100-41-4	Ethylbenzene	ND	0.0010	0.00015	U
74-87-3	Chloromethane	ND	0.0042	0.00098	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2539397-01
 Client ID : UST W-1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V29250628A10
 Sample Amount : 5.5 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : 06/23/25 12:13
 Date Received : 06/23/25
 Date Analyzed : 06/28/25 15:13
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA129
 GC Column : RTX-VMS
 %Solids : 87
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
74-83-9	Bromomethane	ND	0.0021	0.00061	U
75-01-4	Vinyl chloride	ND	0.0010	0.00035	U
75-00-3	Chloroethane	ND	0.0021	0.00047	U
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00025	U
156-60-5	trans-1,2-Dichloroethene	ND	0.0016	0.00014	U
79-01-6	Trichloroethene	ND	0.00052	0.00014	U
95-50-1	1,2-Dichlorobenzene	ND	0.0021	0.00015	U
541-73-1	1,3-Dichlorobenzene	ND	0.0021	0.00016	U
106-46-7	1,4-Dichlorobenzene	ND	0.0021	0.00018	U
1634-04-4	Methyl tert butyl ether	ND	0.0021	0.00021	U
179601-23-1	p/m-Xylene	ND	0.0021	0.00059	U
95-47-6	o-Xylene	ND	0.0010	0.00030	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	0.00096	U
67-64-1	Acetone	ND	0.026	0.010	U
75-15-0	Carbon disulfide	ND	0.010	0.0048	U
78-93-3	2-Butanone	ND	0.010	0.0023	U
108-10-1	4-Methyl-2-pentanone	ND	0.010	0.0013	U
591-78-6	2-Hexanone	ND	0.010	0.0012	U
74-97-5	Bromochloromethane	ND	0.0021	0.00022	U
98-82-8	Isopropylbenzene	ND	0.0010	0.00011	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.0021	0.00034	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2539397-01
 Client ID : UST W-1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V29250628A10
 Sample Amount : 5.5 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : 06/23/25 12:13
 Date Received : 06/23/25
 Date Analyzed : 06/28/25 15:13
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA129
 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	0.0021	0.00028	U
79-20-9	Methyl Acetate	ND	0.0042	0.0010	U
110-82-7	Cyclohexane	ND	0.010	0.00057	U
75-65-0	Tert-Butyl Alcohol	ND	0.021	0.0054	U
108-87-2	Methyl cyclohexane	ND	0.0042	0.00063	U
76-13-1	Freon-113	ND	0.0042	0.00073	U



Tentatively Identified Compounds
Form 1
Volatile Organics by EPA 5035

Client : Phoenix Environmental
Project Name : RAMSEY SD
Lab ID : L2539397-01
Client ID : UST W-1
Sample Location : RAMSEY, NJ
Sample Matrix : SOIL
Analytical Method : 1,8260D
Lab File ID : V29250628A10
Sample Amount :
Level :
Extract Volume (MeOH) : NA

Lab Number : L2539397
Project Number : RAMSEY SD
Date Collected : 06/23/25 12:13
Date Received : 06/23/25
Date Analyzed : 06/28/25 15:13
Dilution Factor : 1
Analyst : JIC
Instrument ID : VOA129
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 : L2539397-02
 Client ID : UST N-1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : J250628A19
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : 06/23/25 13:00
 Date Received : 06/23/25
 Date Analyzed : 06/28/25 10:48
 Dilution Factor : 1
 Analyst : MCM
 Instrument ID : JACK
 GC Column : RTX-502.2
 %Solids : 90
 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 : L2539397-02
 Client ID : UST N-1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : J250628A19
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : 06/23/25 13:00
 Date Received : 06/23/25
 Date Analyzed : 06/28/25 10:48
 Dilution Factor : 1
 Analyst : MCM
 Instrument ID : JACK
 GC Column : RTX-502.2
 %Solids : 90
 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	1.9	5.0	1.5	J
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 : L2539397-02
 Client ID : UST N-1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : J250628A19
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : 06/23/25 13:00
 Date Received : 06/23/25
 Date Analyzed : 06/28/25 10:48
 Dilution Factor : 1
 Analyst : MCM
 Instrument ID : JACK
 GC Column : RTX-502.2
 %Solids : 90
 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 : L2539397-02
 Client ID : UST N-1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V29250628A11
 Sample Amount : 6.2 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : 06/23/25 13:00
 Date Received : 06/23/25
 Date Analyzed : 06/28/25 15:34
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA129
 GC Column : RTX-VMS
 %Solids : 90
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0027	0.00089	U
123-91-1	1,4-Dioxane	ND	0.072	0.031	U
106-93-4	1,2-Dibromoethane	ND	0.00090	0.00025	U
75-09-2	Methylene chloride	ND	0.0045	0.0020	U
75-34-3	1,1-Dichloroethane	ND	0.00090	0.00013	U
67-66-3	Chloroform	ND	0.0013	0.00012	U
56-23-5	Carbon tetrachloride	ND	0.00090	0.00021	U
78-87-5	1,2-Dichloropropane	ND	0.00090	0.00011	U
124-48-1	Dibromochloromethane	ND	0.00090	0.00012	U
79-00-5	1,1,2-Trichloroethane	ND	0.00090	0.00024	U
127-18-4	Tetrachloroethene	ND	0.00045	0.00018	U
108-90-7	Chlorobenzene	ND	0.00045	0.00011	U
75-69-4	Trichlorofluoromethane	ND	0.0036	0.00062	U
107-06-2	1,2-Dichloroethane	ND	0.00090	0.00023	U
71-55-6	1,1,1-Trichloroethane	ND	0.00045	0.00015	U
75-27-4	Bromodichloromethane	ND	0.00045	0.00009	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.00090	0.00024	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.00045	0.00014	U
542-75-6	1,3-Dichloropropene, Total	ND	0.00045	0.00014	U
75-25-2	Bromoform	ND	0.0036	0.00022	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.00045	0.00015	U
71-43-2	Benzene	ND	0.00045	0.00015	U
108-88-3	Toluene	ND	0.00090	0.00049	U
100-41-4	Ethylbenzene	ND	0.00090	0.00013	U
74-87-3	Chloromethane	ND	0.0036	0.00084	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2539397-02
 Client ID : UST N-1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V29250628A11
 Sample Amount : 6.2 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : 06/23/25 13:00
 Date Received : 06/23/25
 Date Analyzed : 06/28/25 15:34
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA129
 GC Column : RTX-VMS
 %Solids : 90
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
74-83-9	Bromomethane	ND	0.0018	0.00052	U
75-01-4	Vinyl chloride	ND	0.00090	0.00030	U
75-00-3	Chloroethane	ND	0.0018	0.00040	U
75-35-4	1,1-Dichloroethene	ND	0.00090	0.00021	U
156-60-5	trans-1,2-Dichloroethene	ND	0.0013	0.00012	U
79-01-6	Trichloroethene	0.00017	0.00045	0.00012	J
95-50-1	1,2-Dichlorobenzene	ND	0.0018	0.00013	U
541-73-1	1,3-Dichlorobenzene	ND	0.0018	0.00013	U
106-46-7	1,4-Dichlorobenzene	ND	0.0018	0.00015	U
1634-04-4	Methyl tert butyl ether	ND	0.0018	0.00018	U
179601-23-1	p/m-Xylene	ND	0.0018	0.00050	U
95-47-6	o-Xylene	ND	0.00090	0.00026	U
1330-20-7	Xylenes, Total	ND	0.00090	0.00026	U
156-59-2	cis-1,2-Dichloroethene	ND	0.00090	0.00016	U
540-59-0	1,2-Dichloroethene, Total	ND	0.00090	0.00012	U
100-42-5	Styrene	ND	0.00090	0.00018	U
75-71-8	Dichlorodifluoromethane	ND	0.0090	0.00082	U
67-64-1	Acetone	0.024	0.022	0.0090	
75-15-0	Carbon disulfide	ND	0.0090	0.0041	U
78-93-3	2-Butanone	0.0034	0.0090	0.0020	J
108-10-1	4-Methyl-2-pentanone	ND	0.0090	0.0011	U
591-78-6	2-Hexanone	ND	0.0090	0.0010	U
74-97-5	Bromochloromethane	ND	0.0018	0.00018	U
98-82-8	Isopropylbenzene	ND	0.00090	0.00009	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.0018	0.00029	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2539397-02
 Client ID : UST N-1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V29250628A11
 Sample Amount : 6.2 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : 06/23/25 13:00
 Date Received : 06/23/25
 Date Analyzed : 06/28/25 15:34
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA129
 GC Column : RTX-VMS
 %Solids : 90
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0018	0.00024	U
79-20-9	Methyl Acetate	ND	0.0036	0.00085	U
110-82-7	Cyclohexane	ND	0.0090	0.00049	U
75-65-0	Tert-Butyl Alcohol	ND	0.018	0.0046	U
108-87-2	Methyl cyclohexane	ND	0.0036	0.00054	U
76-13-1	Freon-113	ND	0.0036	0.00062	U



Tentatively Identified Compounds

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2539397-02
 Client ID : UST N-1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V29250628A11
 Sample Amount :
 Level :
 Extract Volume (MeOH) : NA

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : 06/23/25 13:00
 Date Received : 06/23/25
 Date Analyzed : 06/28/25 15:34
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA129
 GC Column :
 %Solids : 90
 Injection Volume : 1

Number TICS found: 2

Concentration Units: mg/kg

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	8.22	.00195	NJ
Total TIC Compounds			0.002J	J



Results Summary

Form 1

SPLP Volatiles by EPA 1312

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : WG2084888-5
 Client ID : WG2084888-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : J250628A17
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 06/28/25 09:55
 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	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 : WG2084888-5
 Client ID : WG2084888-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : J250628A17
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 06/28/25 09:55
 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 : WG2084888-5
 Client ID : WG2084888-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : J250628A17
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 06/28/25 09:55
 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 : WG2085229-5
 Client ID : WG2085229-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V29250628A05
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 06/28/25 13:30
 Dilution Factor : 1
 Analyst : MNF
 Instrument ID : VOA129
 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	ND	0.0015	0.00014	U
56-23-5	Carbon tetrachloride	ND	0.0010	0.00023	U
78-87-5	1,2-Dichloropropane	ND	0.0010	0.00012	U
124-48-1	Dibromochloromethane	ND	0.0010	0.00014	U
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00027	U
127-18-4	Tetrachloroethene	ND	0.00050	0.00020	U
108-90-7	Chlorobenzene	ND	0.00050	0.00013	U
75-69-4	Trichlorofluoromethane	ND	0.0040	0.00070	U
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00026	U
71-55-6	1,1,1-Trichloroethane	ND	0.00050	0.00017	U
75-27-4	Bromodichloromethane	ND	0.00050	0.00011	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.0010	0.00027	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.00050	0.00016	U
542-75-6	1,3-Dichloropropene, Total	ND	0.00050	0.00016	U
75-25-2	Bromoform	ND	0.0040	0.00025	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.00050	0.00017	U
71-43-2	Benzene	ND	0.00050	0.00017	U
108-88-3	Toluene	ND	0.0010	0.00054	U
100-41-4	Ethylbenzene	ND	0.0010	0.00014	U
74-87-3	Chloromethane	ND	0.0040	0.00093	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : WG2085229-5
 Client ID : WG2085229-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V29250628A05
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 06/28/25 13:30
 Dilution Factor : 1
 Analyst : MNF
 Instrument ID : VOA129
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
74-83-9	Bromomethane	ND	0.0020	0.00058	U
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 : WG2085229-5
 Client ID : WG2085229-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V29250628A05
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 06/28/25 13:30
 Dilution Factor : 1
 Analyst : MNF
 Instrument ID : VOA129
 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
75-65-0	Tert-Butyl Alcohol	ND	0.020	0.0051	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 : WG2085229-5
 Client ID : WG2085229-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V29250628A05
 Sample Amount :
 Level :
 Extract Volume (MeOH) : NA

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 06/28/25 13:30
 Dilution Factor : 1
 Analyst : MNF
 Instrument ID : VOA129
 GC Column :
 %Solids : NA
 Injection Volume : 1

Number TICS found: 2

Concentration Units: mg/kg

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	1.66	.00498	J
	Total TIC Compounds		0.005J	J



Tuning Results Summary

Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Phoenix Environmental	Lab Number : L2539397
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 : L2539397
Project Name : RAMSEY SD	Project Number : RAMSEY SD
Instrument ID : JACK	Analysis Date : 06/28/25 02:36
Tune Standard : WG2084888-1	Tune File ID : J250628BFB2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	26.8
75	30.0 - 80.0% of mass 95	50
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.5 (.6)1
174	Greater than 50.0% of mass 95	76.3
175	5.0 - 9.0% of mass 174	6.1 (8.1)1
176	Greater than 95.0% but less than 101% of mass	73.3 (96)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
WG2084888-2CCAL	WG2084888-2	J250628A02	06/28/25 03:21
WG2084888-3LCS	WG2084888-3	J250628A02	06/28/25 03:21
WG2084888-4LCSD	WG2084888-4	J250628A03	06/28/25 03:47
WG2084888-5BLANK	WG2084888-5	J250628A17	06/28/25 09:55
UST W-1	L2539397-01	J250628A18	06/28/25 10:22
UST N-1	L2539397-02	J250628A19	06/28/25 10:48



Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Phoenix Environmental	Lab Number : L2539397
Project Name : RAMSEY SD	Project Number : RAMSEY SD
Instrument ID : VOA129	Analysis Date : 06/26/25 14:28
Tune Standard : WG2084301-1	Tune File ID : V29250626BFB3_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	19.9
75	30.0 - 80.0% of mass 95	51.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.5 (.5)1
174	Greater than 50.0% of mass 95	94.8
175	5.0 - 9.0% of mass 174	7.4 (7.8)1
176	Greater than 95.0% but less than 101% of mass	91.6 (96.7)1
177	5.0 - 9.0% of mass 176	6.5 (7)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.5PPB	R1981952-1	V29250626A03	06/26/25 15:33
STD1PPB	R1981952-2	V29250626A05	06/26/25 16:14
STD2PPB	R1981952-3	V29250626A07	06/26/25 16:56
STD4PPB	R1981952-4	V29250626A09	06/26/25 17:37
STD20PPB	R1981952-5	V29250626A10	06/26/25 17:58
STD40PPB	R1981952-7	V29250626A11	06/26/25 18:19
STD100PPB	R1981952-6	V29250626A12	06/26/25 18:39
STD200PPB	R1981952-8	V29250626A13	06/26/25 19:00
STD300PPB	R1981952-9	V29250626A14	06/26/25 19:21
ICV Quant Report	R1981952-10	V29250626A18	06/26/25 20:44



Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Phoenix Environmental	Lab Number : L2539397
Project Name : RAMSEY SD	Project Number : RAMSEY SD
Instrument ID : VOA129	Analysis Date : 06/28/25 11:45
Tune Standard : WG2085229-1	Tune File ID : V29250628BFB1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.3
75	30.0 - 80.0% of mass 95	50.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.5 (.6)1
174	Greater than 50.0% of mass 95	93.5
175	5.0 - 9.0% of mass 174	7.6 (8.1)1
176	Greater than 95.0% but less than 101% of mass	91.8 (98.2)1
177	5.0 - 9.0% of mass 176	6.4 (6.9)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2085229-2CCAL	WG2085229-2	V29250628A01	06/28/25 12:07
WG2085229-3LCS	WG2085229-3	V29250628A01	06/28/25 12:07
WG2085229-4LCSD	WG2085229-4	V29250628A02	06/28/25 12:28
WG2085229-5BLANK	WG2085229-5	V29250628A05	06/28/25 13:30
UST W-1	L2539397-01	V29250628A10	06/28/25 15:13
UST N-1	L2539397-02	V29250628A11	06/28/25 15:34



Blank Results Summary

**Method Blank Summary
Form 4
Volatiles**

Client	: Phoenix Environmental	Lab Number	: L2539397
Project Name	: RAMSEY SD	Project Number	: RAMSEY SD
Lab Sample ID	: WG2084888-5	Lab File ID	: J250628A17
Instrument ID	: JACK		
Matrix	: SOIL	Analysis Date	: 06/28/25 09:55

Client Sample No.	Lab Sample ID	Analysis Date
WG2084888-3LCS	WG2084888-3	06/28/25 03:21
WG2084888-4LCSD	WG2084888-4	06/28/25 03:47
UST W-1	L2539397-01	06/28/25 10:22
UST N-1	L2539397-02	06/28/25 10:48

**Method Blank Summary
Form 4
Volatiles**

Client	: Phoenix Environmental	Lab Number	: L2539397
Project Name	: RAMSEY SD	Project Number	: RAMSEY SD
Lab Sample ID	: WG2085229-5	Lab File ID	: V29250628A05
Instrument ID	: VOA129		
Matrix	: SOIL	Analysis Date	: 06/28/25 13:30

Client Sample No.	Lab Sample ID	Analysis Date
WG2085229-3LCS	WG2085229-3	06/28/25 12:07
WG2085229-4LCSD	WG2085229-4	06/28/25 12:28
UST W-1	L2539397-01	06/28/25 15:13
UST N-1	L2539397-02	06/28/25 15:34

Standards Data Summary

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 : L2539397
 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 : L2539397
 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 : L2539397
 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	



Initial Calibration Summary

Form 6

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA129
 Calibration dates : 06/26/25 15:33 06/26/25 19:21

Lab Number : L2539397
 Project Number : RAMSEY SD
 Ical Ref : ICAL22427

Calibration Files

0.5 =V29250626A03.D 1 =V29250626A05.D 2 =V29250626A07.D 4 =V29250626A09.D 20 =V29250626A10.D
 40 =V29250626A11.D 100 =V29250626A12.D 200 =V29250626A13.D 300 =V29250626A14.D

Compound		0.5	1	2	4	20	40	100	200	300	Avg	%RSD
1) I	Fluorobenzene	-----ISTD-----										
2) TP	Dichlorodifluo	0.146	0.221	0.294	0.221	0.214	0.234	0.241	0.229	0.225	18.06	
3) TP	Chloromethane	0.233	0.298	0.311	0.221	0.222	0.229	0.231	0.218	0.245	15.03	
4) TP	Vinyl chloride	0.170	0.267	0.292	0.221	0.226	0.243	0.251	0.239	0.238	15.04	
5) TP	Bromomethane		0.307	0.271	0.173	0.162	0.167	0.179	0.176	*L	0.9981	
6) TP	Chloroethane	0.130	0.181	0.193	0.147	0.151	0.171	0.200	0.197	0.171	15.29	
7) TP	Trichlorofluor		0.320	0.435	0.326	0.330	0.365	0.383	0.373	0.362	11.31	
8) TP	Ethyl ether	0.120	0.121	0.129	0.102	0.107	0.112	0.115	0.112	0.115	7.33	
10) TP	1,1-Dichloroet	0.151	0.221	0.246	0.178	0.186	0.199	0.207	0.200	0.199	14.42	
11) TP	Carbon disulfide	0.712	0.892	0.933	0.668	0.672	0.730	0.748	0.720	0.759	13.02	
12) TP	Freon-113		0.166	0.258	0.198	0.197	0.212	0.223	0.214	0.210	13.39	
14) TP	Acrolein		0.044	0.043	0.030	0.030	0.032	0.034	0.033	0.035	17.01	
15) TP	Methylene chlo		0.470	0.357	0.230	0.220	0.221	0.226	0.212	*L	0.9991	
17) TP	Acetone	0.524	0.318	0.202	0.098	0.086	0.087	0.084	0.085	*L	0.9991	
18) TP	trans-1,2-Dich	0.212	0.295	0.272	0.204	0.204	0.218	0.225	0.216	0.231	14.66	
19) TP	Methyl acetate			0.202	0.151	0.148	0.154	0.158	0.151	0.161	12.77	
20) TP	Methyl tert butyl ether	0.511	0.625	0.591	0.532	0.521	0.562	0.578	0.554	0.559	6.85	
21) TP	tert-Butyl alc	0.030	0.031	0.030	0.024	0.024	0.025	0.027	0.026	0.027	11.08	
22) TP	Diisopropyl ether	0.450	0.552	0.539	0.482	0.489	0.571	0.597	0.578	0.532	9.88	
23) TP	1,1-Dichloroet	0.314	0.441	0.439	0.321	0.313	0.343	0.349	0.337	0.357	14.78	
24) TP	Halothane	0.127	0.171	0.206	0.151	0.157	0.170	0.170	0.166	0.165	13.47	
25) TP	Acrylonitrile	0.061	0.071	0.073	0.061	0.058	0.064	0.065	0.063	0.064	7.96	
26) TP	Ethyl tert-but	0.360	0.466	0.455	0.413	0.451	0.522	0.547	0.531	0.468	13.56	
27) TP	Vinyl acetate	0.367	0.458	0.408	0.332	0.361	0.389	0.417	0.402	0.392	9.94	
28) TP	cis-1,2-Dichlo	0.172	0.278	0.278	0.198	0.198	0.224	0.223	0.215	0.223	16.78	
29) TP	2,2-Dichloropr	0.201	0.299	0.331	0.254	0.267	0.293	0.303	0.297	0.280	14.14	
30) TP	Bromochloromet	0.103	0.135	0.139	0.106	0.105	0.114	0.115	0.109	0.116	12.00	
31) TP	Cyclohexane		0.217	0.311	0.271	0.288	0.330	0.343	0.331	0.299	14.75	
32) TP	Chloroform	0.365	0.481	0.469	0.364	0.358	0.375	0.382	0.367	0.395	12.64	
33) TP	Ethyl acetate		0.287	0.233	0.182	0.182	0.198	0.209	0.202	0.213	17.18	
34) TP	Carbon tetrach	0.184	0.288	0.333	0.270	0.271	0.293	0.308	0.297	0.280	15.72	
35) TP	Tetrahydrofuran	0.074	0.096	0.097	0.067	0.070	0.072	0.075	0.075	0.078	14.65	
36) S	Dibromofluoromethane	0.282	0.269	0.276	0.273	0.250	0.242	0.242	0.245	0.258	6.29	
37) TP	1,1,1-Trichloroethane	0.199	0.198	0.349	0.379	0.289	0.299	0.328	0.338	0.329	*L 0.9985	
39) TP	2-Butanone			0.133	0.125	0.094	0.086	0.098	0.096	0.097	0.104 16.82	
40) TP	1,1-Dichloropropene	0.158	0.145	0.227	0.271	0.228	0.243	0.272	0.283	0.274	*L 0.9982	



Initial Calibration Summary

Form 6

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA129
 Calibration dates : 06/26/25 15:33 06/26/25 19:21

Lab Number : L2539397
 Project Number : RAMSEY SD
 Ical Ref : ICAL22427

Calibration Files

0.5 =V29250626A03.D 1 =V29250626A05.D 2 =V29250626A07.D 4 =V29250626A09.D 20 =V29250626A10.D
 40 =V29250626A11.D 100 =V29250626A12.D 200 =V29250626A13.D 300 =V29250626A14.D

Compound	0.5	1	2	4	20	40	100	200	300	Avg	%RSD
41) TP Benzene	0.590	0.623	0.885	0.836	0.710	0.738	0.800	0.820	0.792	0.755	13.07
42) TP Tertiary-Amyl Methyl Ether		0.353	0.418	0.431	0.395	0.418	0.494	0.532	0.521	0.445	14.30
43) S 1,2-Dichloroethane-d4	0.288	0.296	0.293	0.297	0.282	0.248	0.249	0.248	0.245	0.272	8.64
44) TP 1,2-Dichloroet		0.279	0.304	0.322	0.250	0.247	0.258	0.269	0.261	0.274	9.73
47) TP Methyl cyclohe				0.314	0.285	0.307	0.370	0.399	0.381	0.343	13.56
48) TP Trichloroethene	0.184	0.178	0.260	0.251	0.217	0.217	0.238	0.245	0.236	0.225	12.72
50) TP Dibromomethane		0.145	0.159	0.148	0.124	0.125	0.131	0.135	0.129	0.137	9.19
51) TP 1,2-Dichloropr		0.159	0.217	0.223	0.177	0.186	0.201	0.208	0.200	0.196#	10.85
53) TP 2-Chloroethyl		0.081	0.086	0.099	0.090	0.098	0.116	0.128	0.124	0.103	17.29
54) TP Bromodichloromethane	0.253	0.281	0.352	0.341	0.280	0.277	0.299	0.307	0.295	0.298#	10.56
57) TP 1,4-Dioxane		0.001	0.002	0.002	0.001	0.002	0.002	0.002	0.002	0.002#	19.61
58) TP cis-1,3-Dichloropropene	0.209	0.241	0.299	0.307	0.280	0.292	0.329	0.346	0.334	0.293#	15.22
59) I Chlorobenzene-d5	-----ISTD-----										
60) S Toluene-d8	1.188	1.172	1.182	1.193	1.200	1.198	1.209	1.188	1.189	1.191	0.89
61) TP Toluene		0.851	0.977	0.857	0.618	0.640	0.691	0.701	0.681	0.752	16.93
62) TP 4-Methyl-2-pen		0.075	0.079	0.089	0.080	0.082	0.094	0.101	0.098	0.087	11.12
63) TP Tetrachloroethene	0.211	0.239	0.344	0.381	0.304	0.323	0.351	0.362	0.354	0.319	18.17
65) TP trans-1,3-Dich		0.276	0.369	0.323	0.319	0.343	0.385	0.401	0.390	0.351	12.28
67) TP Ethyl methacry		0.276	0.272	0.268	0.239	0.263	0.299	0.319	0.318	0.282	9.89
68) TP 1,1,2-Trichlor		0.192	0.211	0.200	0.182	0.191	0.199	0.205	0.196	0.197#	4.65
69) TP Chlorodibromomethane	0.245	0.261	0.313	0.328	0.281	0.289	0.312	0.320	0.311	0.296	9.58
70) TP 1,3-Dichloropr		0.320	0.372	0.407	0.358	0.371	0.396	0.408	0.389	0.378	7.77
71) TP 1,2-Dibromoethane	0.189	0.222	0.237	0.243	0.220	0.227	0.246	0.252	0.245	0.231	8.44
72) TP 2-Hexanone		0.221	0.222	0.202	0.155	0.157	0.181	0.194	0.192	0.191	13.30
73) TP Chlorobenzene	0.690	0.661	0.878	0.861	0.713	0.737	0.781	0.809	0.785	0.768	9.70
74) TP Ethylbenzene		1.006	1.381	1.277	1.118	1.206	1.333	1.381	1.357	1.258	10.90
75) TP 1,1,1,2-Tetrachloroethane	0.208	0.212	0.294	0.301	0.253	0.267	0.298	0.314	0.309	0.273	14.94
76) TP p/m Xylene	0.391	0.368	0.508	0.497	0.455	0.479	0.517	0.550	0.536	0.478	13.09
77) TP o Xylene	0.392	0.360	0.487	0.491	0.442	0.460	0.505	0.529	0.523	0.465	12.52
78) TP Styrene	0.630	0.566	0.770	0.784	0.751	0.784	0.853	0.914	0.900	0.772	14.94
79) I 1,4-Dichlorobenzene-d4	-----ISTD-----										
80) TP Bromoform		0.368	0.401	0.396	0.347	0.379	0.412	0.430	0.446	0.397	8.19
82) TP Isopropylbenzene		1.433	2.104	2.138	2.002	2.191	2.399	2.375	2.438	2.135	15.16
83) S 4-Bromofluorobenzene	0.715	0.668	0.701	0.686	0.673	0.710	0.688	0.657	0.696	0.688	2.83
84) TP Bromobenzene		0.506	0.681	0.658	0.573	0.609	0.629	0.618	0.630	0.613	8.75
85) TP n-Propylbenzene		1.831	2.656	2.580	2.364	2.611	2.832	2.809	2.869	2.569	13.27



Initial Calibration Summary

Form 6

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA129
 Calibration dates : 06/26/25 15:33 06/26/25 19:21

Lab Number : L2539397
 Project Number : RAMSEY SD
 Ical Ref : ICAL22427

Calibration Files

0.5 =V29250626A03.D 1 =V29250626A05.D 2 =V29250626A07.D 4 =V29250626A09.D 20 =V29250626A10.D
 40 =V29250626A11.D 100 =V29250626A12.D 200 =V29250626A13.D 300 =V29250626A14.D

	Compound	0.5	1	2	4	20	40	100	200	300	Avg	%RSD
86)	TP 1,4-Dichlorobu		0.574	0.697	0.658	0.571	0.617	0.664	0.693	0.720	0.649	8.70
87)	TP 1,1,2,2-Tetrachloroethane	0.500	0.532	0.597	0.564	0.492	0.531	0.554	0.557	0.564	0.544	6.12
88)	TP 4-Ethyltoluene		1.470	2.158	2.055	1.949	2.173	2.342	2.331	2.374	2.106	14.09
89)	TP 2-Chlorotoluene		1.219	1.719	1.482	1.462	1.533	1.650	1.505	1.540	1.514	9.74
90)	TP 1,3,5-Trimethy		1.222	1.911	1.751	1.660	1.821	2.017	2.011	2.039	1.804	15.07
91)	TP 1,2,3-Trichlor		0.471	0.514	0.458	0.419	0.445	0.473	0.478	0.489	0.468	6.09
92)	TP trans-1,4-Dich		0.146	0.167	0.160	0.149	0.155	0.164	0.165	0.169	0.159	5.40
93)	TP 4-Chlorotoluene		1.287	1.739	1.671	1.455	1.567	1.661	1.661	1.677	1.590	9.42
94)	TP tert-Butylbenzene		1.080	1.493	1.564	1.486	1.648	1.824	1.827	1.847	1.596	16.08
97)	TP 1,2,4-Trimethy		1.210	1.663	1.591	1.580	1.754	1.923	1.917	1.966	1.701	14.71
98)	TP sec-Butylbenzene		1.463	2.194	2.347	2.265	2.495	2.755	2.743	2.756	2.377	18.24
99)	TP p-Isopropyltol		1.199	1.845	1.962	1.896	2.100	2.362	2.362	2.397	2.015	19.72
100)	TP 1,3-Dichlorobe		1.077	1.353	1.296	1.105	1.156	1.225	1.208	1.230	1.206	7.69
101)	TP 1,4-Dichlorobe		1.085	1.412	1.247	1.090	1.159	1.218	1.200	1.220	1.204	8.57
102)	TP p-Diethylbenzene		0.793	1.101	1.092	1.056	1.205	1.344	1.368	1.405	1.170	17.43
103)	TP n-Butylbenzene		1.022	1.734	1.766	1.670	1.842	2.053	2.048	2.096	1.779	19.48
104)	TP 1,2-Dichlorobe		1.072	1.298	1.189	1.023	1.097	1.151	1.125	1.135	1.136	7.28
105)	TP 1,2,4,5-Tetram		1.124	1.597	1.413	1.205	1.295	1.513	1.719	1.872	1.467	17.57
106)	TP 1,2-Dibromo-3-		0.107	0.122	0.115	0.109	0.113	0.119	0.121	0.125	0.116	5.64
107)	TP 1,3,5-Trichlor		0.793	1.115	0.976	0.800	0.882	0.915	0.916	0.973	0.921	11.29
108)	TP Hexachlorobuta		0.402	0.511	0.532	0.475	0.513	0.552	0.551	0.558	0.512	10.19
109)	TP 1,2,4-Trichlor		0.701	0.946	0.864	0.733	0.786	0.821	0.812	0.844	0.813	9.42
110)	TP Naphthalene		2.694	2.238	1.783	1.620	1.781	1.917	1.923	1.938	1.987	16.94
111)	TP 1,2,3-Trichlor		0.680	0.878	0.814	0.752	0.778	0.823	0.805	0.823	0.794	7.42



Calibration Verification Summary

Form 7

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : JACK
 Lab File ID : J250628A02
 Sample No : WG2084888-2
 Channel :

Lab Number : L2539397
 Project Number : RAMSEY SD
 Calibration Date : 06/28/25 03:21
 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	75	0
Dichlorodifluoromethane	0.284	0.293	-	-3.2	20	70	0
Chloromethane	0.444	0.466	-	-5	20	76	-.01
Vinyl chloride	0.357	0.393	-	-10.1	20	77	0
Bromomethane	0.149	0.131	-	12.1	20	67	0
Chloroethane	0.173	0.194	-	-12.1	20	79	0
Trichlorofluoromethane	0.382	0.387	-	-1.3	20	71	0
1,1-Dichloroethene	0.232	0.224	-	3.4	20	69	0
Carbon disulfide	0.746	0.742	-	0.5	20	72	0
Freon-113	0.233	0.229	-	1.7	20	67	0
Methylene chloride	0.266	0.245	-	7.9	20	69	0
Acetone	0.093	0.069	-	25.8*	20	57	-.01
trans-1,2-Dichloroethene	0.252	0.235	-	6.7	20	69	0
Methyl acetate	0.23	0.193	-	16.1	20	70	0
Methyl tert-butyl ether	0.704	0.581	-	17.5	20	64	0
tert-Butyl alcohol	0.029	0.02	-	31*	20	55	0
1,1-Dichloroethane	0.549	0.551	-	-0.4	20	73	0
cis-1,2-Dichloroethene	0.279	0.258	-	7.5	20	69	0
Bromochloromethane	0.122	0.115	-	5.7	20	68	0
Cyclohexane	0.586	0.602	-	-2.7	20	71	0
Chloroform	0.471	0.434	-	7.9	20	69	0
Carbon tetrachloride	0.358	0.341	-	4.7	20	66	0
Dibromofluoromethane	0.26	0.252	-	3.1	20	73	0
1,1,1-Trichloroethane	0.402	0.381	-	5.2	20	68	0
2-Butanone	0.141	0.104	-	26.2*	20	63	0
Benzene	1.047	0.97	-	7.4	20	68	0
1,2-Dichloroethane-d4	0.317	0.343	-	-8.2	20	82	0
1,2-Dichloroethane	0.366	0.353	-	3.6	20	73	0
Methyl cyclohexane	0.441	0.432	-	2	20	67	0
Trichloroethene	0.272	0.253	-	7	20	68	0
1,2-Dichloropropane	0.303	0.293	-	3.3	20	73	0
Bromodichloromethane	0.355	0.327	-	7.9	20	65	0
1,4-Dioxane	0.00262	0.00179*	-	31.7*	20	53	0
cis-1,3-Dichloropropene	0.424	0.37	-	12.7	20	66	0
Chlorobenzene-d5	1	1	-	0	20	74	0
Toluene-d8	1.328	1.347	-	-1.4	20	74	0
Toluene	0.855	0.812	-	5	20	69	0
4-Methyl-2-pentanone	0.14	0.12	-	14.3	20	65	0
Tetrachloroethene	0.354	0.33	-	6.8	20	63	0
trans-1,3-Dichloropropene	0.496	0.439	-	11.5	20	66	0
1,1,2-Trichloroethane	0.253	0.219	-	13.4	20	69	0
Chlorodibromomethane	0.354	0.289	-	18.4	20	61	0
1,2-Dibromoethane	0.303	0.259	-	14.5	20	65	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 : J250628A02
 Sample No : WG2084888-2
 Channel :

Lab Number : L2539397
 Project Number : RAMSEY SD
 Calibration Date : 06/28/25 03:21
 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)
2-Hexanone	0.303	0.261	-	13.9	20	67	0
Chlorobenzene	0.951	0.894	-	6	20	69	0
Ethylbenzene	1.644	1.618	-	1.6	20	70	0
p/m Xylene	0.648	0.639	-	1.4	20	69	0
o Xylene	0.639	0.624	-	2.3	20	69	0
Styrene	1.066	1.007	-	5.5	20	68	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	74	0
Bromoform	0.418	0.327	-	21.8*	20	59	0
Isopropylbenzene	2.869	2.855	-	0.5	20	69	0
4-Bromofluorobenzene	0.89	0.9	-	-1.1	20	75	0
1,1,2,2-Tetrachloroethane	0.712	0.657	-	7.7	20	70	0
1,3-Dichlorobenzene	1.395	1.32	-	5.4	20	67	0
1,4-Dichlorobenzene	1.411	1.326	-	6	20	67	0
1,2-Dichlorobenzene	1.306	1.216	-	6.9	20	67	0
1,2-Dibromo-3-chloropropan	0.13	0.104	-	20	20	59	0
1,2,4-Trichlorobenzene	0.849	0.747	-	12	20	63	0
1,2,3-Trichlorobenzene	0.781	0.688	-	11.9	20	65	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA129
 Lab File ID : V29250628A01
 Sample No : WG2085229-2
 Channel :

Lab Number : L2539397
 Project Number : RAMSEY SD
 Calibration Date : 06/28/25 12:07
 Init. Calib. Date(s) : 06/26/25 06/26/25
 Init. Calib. Times : 15:33 19:21

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	121	0
Dichlorodifluoromethane	0.225	0.229	-	-1.8	20	129	0
Chloromethane	0.245	0.238	-	2.9	20	129	0
Vinyl chloride	0.238	0.242	-	-1.7	20	129	0
Bromomethane	40	40.379	-	-0.9	20	135	0
Chloroethane	0.171	0.16	-	6.4	20	128	0
Trichlorofluoromethane	0.362	0.349	-	3.6	20	128	0
Ethyl ether	0.115	0.11	-	4.3	20	124	0
1,1-Dichloroethene	0.199	0.184	-	7.5	20	120	0
Carbon disulfide	0.759	0.697	-	8.2	20	125	0
Freon-113	0.21	0.211	-	-0.5	20	130	0
Acrolein	0.035	0.027	-	22.9*	20	109	0
Methylene chloride	40	41.385	-	-3.5	20	129	0
Acetone	40	31.539	-	21.2*	20	106	0
trans-1,2-Dichloroethene	0.231	0.207	-	10.4	20	123	0
Methyl acetate	0.161	0.124	-	23*	20	101	0
Methyl tert-butyl ether	0.559	0.557	-	0.4	20	129	0
tert-Butyl alcohol	0.027	0.018	-	33.3*	20	93	-0.02
Diisopropyl ether	0.532	0.552	-	-3.8	20	136	0
1,1-Dichloroethane	0.357	0.347	-	2.8	20	133	0
Halothane	0.165	0.163	-	1.2	20	125	0
Acrylonitrile	0.064	0.048	-	25*	20	101	0
Ethyl tert-butyl ether	0.468	0.489	-	-4.5	20	131	0
Vinyl acetate	0.392	0.308	-	21.4*	20	103	0
cis-1,2-Dichloroethene	0.223	0.211	-	5.4	20	128	0
2,2-Dichloropropane	0.28	0.26	-	7.1	20	118	0
Bromochloromethane	0.116	0.118	-	-1.7	20	136	0
Cyclohexane	0.299	0.296	-	1	20	124	0
Chloroform	0.395	0.387	-	2	20	131	0
Ethyl acetate	0.213	0.153	-	28.2*	20	101	0
Carbon tetrachloride	0.28	0.278	-	0.7	20	124	0
Tetrahydrofuran	0.078	0.041	-	47.4*	20	70	0
Dibromofluoromethane	0.258	0.261	-	-1.2	20	130	0
1,1,1-Trichloroethane	40	38.819	-	3	20	128	0
2-Butanone	0.104	0.068	-	34.6*	20	96	0
1,1-Dichloropropene	40	36.983	-	7.5	20	125	0
Benzene	0.755	0.781	-	-3.4	20	128	0
tert-Amyl methyl ether	0.445	0.448	-	-0.7	20	129	0
1,2-Dichloroethane-d4	0.272	0.275	-	-1.1	20	134	0
1,2-Dichloroethane	0.274	0.268	-	2.2	20	131	0
Methyl cyclohexane	0.343	0.324	-	5.5	20	127	0
Trichloroethene	0.225	0.241	-	-7.1	20	134	0
Dibromomethane	0.137	0.129	-	5.8	20	125	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA129
 Lab File ID : V29250628A01
 Sample No : WG2085229-2
 Channel :

Lab Number : L2539397
 Project Number : RAMSEY SD
 Calibration Date : 06/28/25 12:07
 Init. Calib. Date(s) : 06/26/25 06/26/25
 Init. Calib. Times : 15:33 19:21

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.196	0.201	-	-2.6	20	131	0
2-Chloroethyl vinyl ether	0.103	0.089	-	13.6	20	110	0
Bromodichloromethane	0.298	0.307	-	-3	20	134	0
1,4-Dioxane	0.00191	0.00139*	-	27.2*	20	81	0
cis-1,3-Dichloropropene	0.293	0.32	-	-9.2	20	133	0
Chlorobenzene-d5	1	1	-	0	20	127	0
Toluene-d8	1.191	1.183	-	0.7	20	125	0
Toluene	0.752	0.637	-	15.3	20	126	0
4-Methyl-2-pentanone	0.087	0.065	-	25.3*	20	100	0
Tetrachloroethene	0.319	0.324	-	-1.6	20	127	0
trans-1,3-Dichloropropene	0.351	0.35	-	0.3	20	129	0
Ethyl methacrylate	0.282	0.242	-	14.2	20	117	0
1,1,2-Trichloroethane	0.197	0.19*	-	3.6	20	126	0
Chlorodibromomethane	0.296	0.298	-	-0.7	20	131	0
1,3-Dichloropropane	0.378	0.373	-	1.3	20	128	0
1,2-Dibromoethane	0.231	0.221	-	4.3	20	123	0
2-Hexanone	0.191	0.119	-	37.7*	20	96	0
Chlorobenzene	0.768	0.763	-	0.7	20	131	0
Ethylbenzene	1.258	1.227	-	2.5	20	129	0
1,1,1,2-Tetrachloroethane	0.273	0.287	-	-5.1	20	136	0
p/m Xylene	0.478	0.499	-	-4.4	20	132	0
o Xylene	0.465	0.48	-	-3.2	20	132	0
Styrene	0.772	0.84	-	-8.8	20	136	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	137	0
Bromoform	0.397	0.341	-	14.1	20	123	0
Isopropylbenzene	2.135	2.09	-	2.1	20	130	0
4-Bromofluorobenzene	0.688	0.686	-	0.3	20	132	0
Bromobenzene	0.613	0.588	-	4.1	20	132	0
n-Propylbenzene	2.569	2.541	-	1.1	20	133	0
1,4-Dichlorobutane	0.649	0.58	-	10.6	20	129	0
1,1,2,2-Tetrachloroethane	0.544	0.43	-	21*	20	111	0
4-Ethyltoluene	2.106	2.124	-	-0.9	20	134	0
2-Chlorotoluene	1.514	1.748	-	-15.5	20	156	0
1,3,5-Trimethylbenzene	1.804	1.795	-	0.5	20	135	0
1,2,3-Trichloropropane	0.468	0.38	-	18.8	20	117	0
trans-1,4-Dichloro-2-buten	0.159	0.123	-	22.6*	20	108	0
4-Chlorotoluene	1.59	1.547	-	2.7	20	135	0
tert-Butylbenzene	1.596	1.561	-	2.2	20	130	0
1,2,4-Trimethylbenzene	1.701	1.711	-	-0.6	20	133	0
sec-Butylbenzene	2.377	2.402	-	-1.1	20	132	0
p-Isopropyltoluene	2.015	2.049	-	-1.7	20	133	0
1,3-Dichlorobenzene	1.206	1.172	-	2.8	20	139	0
1,4-Dichlorobenzene	1.204	1.181	-	1.9	20	139	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA129
 Lab File ID : V29250628A01
 Sample No : WG2085229-2
 Channel :

Lab Number : L2539397
 Project Number : RAMSEY SD
 Calibration Date : 06/28/25 12:07
 Init. Calib. Date(s) : 06/26/25 06/26/25
 Init. Calib. Times : 15:33 19:21

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.17	1.172	-	-0.2	20	133	0
n-Butylbenzene	1.779	1.832	-	-3	20	136	0
1,2-Dichlorobenzene	1.136	1.094	-	3.7	20	136	0
1,2,4,5-Tetramethylbenzene	1.467	1.168	-	20.4*	20	123	0
1,2-Dibromo-3-chloropropan	0.116	0.086	-	25.9*	20	104	0
1,3,5-Trichlorobenzene	0.921	0.849	-	7.8	20	132	0
Hexachlorobutadiene	0.512	0.481	-	6.1	20	128	0
1,2,4-Trichlorobenzene	0.813	0.763	-	6.2	20	133	0
Naphthalene	1.987	1.528	-	23.1*	20	117	0
1,2,3-Trichlorobenzene	0.794	0.759	-	4.4	20	133	0

* Value outside of QC limits.



Surrogate Summary

Surrogate Recovery Summary

Form 2

Volatiles

Client: Phoenix Environmental
Project Name: RAMSEY SD

Lab Number: L2539397
Project Number: RAMSEY SD
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
UST W-1 (L2539397-01)	112	102	102	105	0
UST N-1 (L2539397-02)	106	103	103	103	0
WG2084888-3LCS	108	101	101	97	0
WG2084888-4LCSD	107	105	101	98	0
WG2084888-5BLANK	108	102	103	102	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: L2539397
Project Number: RAMSEY SD
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
UST W-1 (L2539397-01)	114	94	103	112	0
UST N-1 (L2539397-02)	120	90	101	119	0
WG2085229-3LCS	101	99	100	101	0
WG2085229-4LCSD	99	99	101	100	0
WG2085229-5BLANK	123	90	97	117	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 : L2539397
 Project Name : RAMSEY SD Project Number : RAMSEY SD
 Matrix (Level) : SOIL (LOW)
 LCS Sample ID : WG2084888-3 Analysis Date : 06/28/25 03:21 File ID : J250628A02
 LCSD Sample ID : WG2084888-4 Analysis Date : 06/28/25 03:47 File ID : J250628A03

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	340	68	500	340	68	0	40-160	20
1,2-Dibromoethane	10	8.5	85	10	8.8	88	3	70-130	20
Methylene chloride	10	9.2	92	10	9.5	95	3	70-130	20
1,1-Dichloroethane	10	10	100	10	10	100	0	70-130	20
Chloroform	10	9.2	92	10	9.5	95	3	70-130	20
Carbon tetrachloride	10	9.5	95	10	9.4	94	1	70-130	20
1,2-Dichloropropane	10	9.7	97	10	9.7	97	0	70-130	20
Dibromochloromethane	10	8.2	82	10	8.5	85	4	70-130	20
1,1,2-Trichloroethane	10	8.6	86	10	9.1	91	6	70-130	20
Tetrachloroethene	10	9.3	93	10	9.5	95	2	70-130	20
Chlorobenzene	10	9.4	94	10	9.4	94	0	70-130	20
Trichlorofluoromethane	10	10	100	10	10	100	0	40-160	20
1,2-Dichloroethane	10	9.6	96	10	10	100	4	70-130	20
1,1,1-Trichloroethane	10	9.5	95	10	9.7	97	2	70-130	20
Bromodichloromethane	10	9.2	92	10	9.2	92	0	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	9.0	90	3	70-130	20
Bromoform	10	7.8	78	10	8.1	81	4	40-160	20
1,1,2,2-Tetrachloroethane	10	9.2	92	10	9.4	94	2	40-160	20
Benzene	10	9.3	93	10	9.5	95	2	70-130	20
Toluene	10	9.5	95	10	9.6	96	1	70-130	20
Ethylbenzene	10	9.8	98	10	10	100	2	70-130	20
Chloromethane	10	10	100	10	10	100	0	40-160	20
Bromomethane	10	8.8	88	10	8.7	87	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 : L2539397
 Project Name : RAMSEY SD Project Number : RAMSEY SD
 Matrix (Level) : SOIL (LOW)
 LCS Sample ID : WG2084888-3 Analysis Date : 06/28/25 03:21 File ID : J250628A02
 LCSD Sample ID : WG2084888-4 Analysis Date : 06/28/25 03:47 File ID : J250628A03

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Chloroethane	10	11	110	10	12	120	9	40-160	20
1,1-Dichloroethene	10	9.6	96	10	9.7	97	1	70-130	20
trans-1,2-Dichloroethene	10	9.3	93	10	9.6	96	3	70-130	20
Trichloroethene	10	9.3	93	10	9.4	94	1	70-130	20
1,2-Dichlorobenzene	10	9.3	93	10	9.5	95	2	70-130	20
1,3-Dichlorobenzene	10	9.5	95	10	9.6	96	1	70-130	20
1,4-Dichlorobenzene	10	9.4	94	10	9.5	95	1	70-130	20
Methyl tert butyl ether	10	8.3	83	10	8.4	84	1	70-130	20
p/m-Xylene	20	20	100	20	20	100	0	70-130	20
o-Xylene	20	20	100	20	20	100	0	70-130	20
cis-1,2-Dichloroethene	10	9.3	93	10	9.2	92	1	70-130	20
Styrene	20	19	95	20	19	95	0	40-160	20
Dichlorodifluoromethane	10	10	100	10	10	100	0	40-160	20
Acetone	10	7.4	74	10	8.7	87	16	40-160	20
Carbon disulfide	10	9.9	99	10	10	100	1	40-160	20
2-Butanone	10	7.4	74	10	7.8	78	5	40-160	20
4-Methyl-2-pentanone	10	8.6	86	10	8.8	88	2	40-160	20
2-Hexanone	10	8.6	86	10	9.3	93	8	40-160	20
Bromochloromethane	10	9.4	94	10	9.4	94	0	70-130	20
Isopropylbenzene	10	9.9	99	10	10	100	1	70-130	20
1,2,3-Trichlorobenzene	10	8.8	88	10	8.9	89	1	70-130	20
1,2,4-Trichlorobenzene	10	8.8	88	10	9.0	90	2	70-130	20
Methyl Acetate	10	8.4	84	10	8.4	84	0	70-130	20
Cyclohexane	10	10	100	10	10	100	0	70-130	20
Methyl cyclohexane	10	9.8	98	10	10	100	2	70-130	20
Freon-113	10	9.8	98	10	10	100	2	70-130	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Phoenix Environmental Lab Number : L2539397
 Project Name : RAMSEY SD Project Number : RAMSEY SD
 Matrix (Level) : SOIL (LOW)
 LCS Sample ID : WG2085229-3 Analysis Date : 06/28/25 12:07 File ID : V29250628A01
 LCSD Sample ID : WG2085229-4 Analysis Date : 06/28/25 12:28 File ID : V29250628A02

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	0.030	74	0.04	0.034	84	13	40-160	30
1,4-Dioxane	2	1.4	73	2	1.7	85	15	40-160	30
1,2-Dibromoethane	0.04	0.038	96	0.04	0.039	98	2	70-130	30
Methylene chloride	0.04	0.041	103	0.04	0.038	96	7	70-130	30
1,1-Dichloroethane	0.04	0.039	97	0.04	0.034	85	13	70-130	30
Chloroform	0.04	0.039	98	0.04	0.036	90	9	70-130	30
Carbon tetrachloride	0.04	0.040	99	0.04	0.037	92	7	70-130	30
1,2-Dichloropropane	0.04	0.041	102	0.04	0.038	96	6	70-130	30
Dibromochloromethane	0.04	0.040	101	0.04	0.040	100	1	70-130	30
1,1,2-Trichloroethane	0.04	0.038	96	0.04	0.039	98	2	70-130	30
Tetrachloroethene	0.04	0.041	102	0.04	0.036	91	11	70-130	30
Chlorobenzene	0.04	0.040	99	0.04	0.037	92	7	70-130	30
Trichlorofluoromethane	0.04	0.039	97	0.04	0.033	82	17	40-160	30
1,2-Dichloroethane	0.04	0.039	98	0.04	0.039	97	1	70-130	30
1,1,1-Trichloroethane	0.04	0.039	97	0.04	0.035	87	11	70-130	30
Bromodichloromethane	0.04	0.041	103	0.04	0.038	96	7	70-130	30
trans-1,3-Dichloropropene	0.04	0.040	100	0.04	0.039	98	2	70-130	30
cis-1,3-Dichloropropene	0.04	0.044	109	0.04	0.042	104	5	40-160	30
Bromoform	0.04	0.034	86	0.04	0.037	92	7	40-160	30
1,1,2,2-Tetrachloroethane	0.04	0.032	79	0.04	0.033	82	4	40-160	30
Benzene	0.04	0.041	103	0.04	0.038	94	9	70-130	30
Toluene	0.04	0.034	85	0.04	0.030	76	11	70-130	30
Ethylbenzene	0.04	0.039	98	0.04	0.036	90	9	70-130	30
Chloromethane	0.04	0.039	97	0.04	0.033	83	16	40-160	30
Bromomethane	0.04	0.040	101	0.04	0.034	86	16	40-160	30
Vinyl chloride	0.04	0.040	101	0.04	0.033	84	18	70-130	30



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Phoenix Environmental Lab Number : L2539397
 Project Name : RAMSEY SD Project Number : RAMSEY SD
 Matrix (Level) : SOIL (LOW)
 LCS Sample ID : WG2085229-3 Analysis Date : 06/28/25 12:07 File ID : V29250628A01
 LCSD Sample ID : WG2085229-4 Analysis Date : 06/28/25 12:28 File ID : V29250628A02

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	0.037	93	0.04	0.032	81	14	40-160	30
1,1-Dichloroethene	0.04	0.037	93	0.04	0.034	84	10	70-130	30
trans-1,2-Dichloroethene	0.04	0.036	90	0.04	0.031	76	17	70-130	30
Trichloroethene	0.04	0.043	107	0.04	0.041	102	5	70-130	30
1,2-Dichlorobenzene	0.04	0.038	96	0.04	0.037	92	4	70-130	30
1,3-Dichlorobenzene	0.04	0.039	97	0.04	0.037	92	5	70-130	30
1,4-Dichlorobenzene	0.04	0.039	98	0.04	0.037	93	5	70-130	30
Methyl tert butyl ether	0.04	0.040	100	0.04	0.040	100	0	70-130	30
p/m-Xylene	0.08	0.084	104	0.08	0.075	94	10	70-130	30
o-Xylene	0.08	0.082	103	0.08	0.075	94	9	70-130	30
cis-1,2-Dichloroethene	0.04	0.038	94	0.04	0.035	89	5	70-130	30
Styrene	0.08	0.087	109	0.08	0.080	100	9	40-160	30
Dichlorodifluoromethane	0.04	0.041	102	0.04	0.035	88	15	40-160	30
Acetone	0.04	0.032	79	0.04	0.036	90	13	40-160	30
Carbon disulfide	0.04	0.037	92	0.04	0.032	81	13	40-160	30
2-Butanone	0.04	0.026	66	0.04	0.032	79	18	40-160	30
4-Methyl-2-pentanone	0.04	0.030	74	0.04	0.033	83	11	40-160	30
2-Hexanone	0.04	0.025	62	0.04	0.031	78	23	40-160	30
Bromochloromethane	0.04	0.041	102	0.04	0.040	99	3	70-130	30
Isopropylbenzene	0.04	0.039	98	0.04	0.035	88	11	70-130	30
1,2,3-Trichlorobenzene	0.04	0.038	96	0.04	0.039	98	2	70-130	30
1,2,4-Trichlorobenzene	0.04	0.038	94	0.04	0.037	93	1	70-130	30
Methyl Acetate	0.04	0.031	77	0.04	0.035	88	13	70-130	30
Cyclohexane	0.04	0.040	99	0.04	0.035	87	13	70-130	30
Tert-Butyl Alcohol	0.2	0.14	68	0.2	0.17	84	21	40-160	30
Methyl cyclohexane	0.04	0.038	95	0.04	0.033	82	15	70-130	30



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Phoenix Environmental Lab Number : L2539397
 Project Name : RAMSEY SD Project Number : RAMSEY SD
 Matrix (Level) : SOIL (LOW)
 LCS Sample ID : WG2085229-3 Analysis Date : 06/28/25 12:07 File ID : V29250628A01
 LCSD Sample ID : WG2085229-4 Analysis Date : 06/28/25 12:28 File ID : V29250628A02

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			
Freon-113	0.04	0.040	100	0.04	0.036	89	12	70-130	30



Internal Standard Summary

Internal Standard Area and RT Summary

Form 8a

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : JACK
 Sample No : WG2084888-2

Lab Number : L2539397
 Project Number : RAMSEY SD
 Analysis Date : 06/28/25 03:21:00
 Lab File ID : J250628A02

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2084888-2	156950	5.89	116463	9.43	67461	12.17
Upper Limit	313900	6.39	232926	9.93	134922	12.67
Lower Limit	78475	5.39	58232	8.93	33731	11.67
Sample ID						
WG2084888-3 LCS	156950	5.89	116463	9.43	67461	12.17
WG2084888-4 LCSD	154671	5.89	113796	9.43	67005	12.17
WG2084888-5 BLANK	124572	5.89	94851	9.43	52606	12.17
UST W-1	121134	5.89	92781	9.43	51891	12.16
UST N-1	123892	5.89	91920	9.43	52117	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



Internal Standard Area and RT Summary

Form 8a

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA129
 Sample No : WG2085229-2

Lab Number : L2539397
 Project Number : RAMSEY SD
 Analysis Date : 06/28/25 12:07:00
 Lab File ID : V29250628A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2085229-2	411464	5.96	323090	8.79	192543	10.25
Upper Limit	822928	6.46	646180	9.29	385086	10.75
Lower Limit	205732	5.46	161545	8.29	96272	9.75
Sample ID						
WG2085229-3 LCS	411464	5.96	323090	8.79	192543	10.25
WG2085229-4 LCSD	415014	5.96	329749	8.79	194881	10.25
WG2085229-5 BLANK	327244	5.96	277289	8.79	164761	10.25
UST W-1	352003	5.96	293314	8.79	171522	10.25
UST N-1	337840	5.96	307190	8.79	181536	10.25

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/LSC Reviewed)

Data Path : K:\VOA129\2025\250628A\
 Data File : V29250628A10.D
 Acq On : 28 Jun 2025 03:13 pm
 Operator : VOA129:JIC
 Sample : L2539397-01,31,5.47,5,,Y
 Misc : WG2085229,ICAL22427
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 28 22:13:02 2025
 Quant Method : K:\VOA129\2025\250628A\V129_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 27 09:03:12 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA129\2025\250628A\V29250628A01.D
 Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

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

Internal Standards						
1) Fluorobenzene	5.956	96	352003	20.000	ug/L	0.00
Standard Area 1 = 411464			Recovery =	85.55%		
59) Chlorobenzene-d5	8.793	117	293314	20.000	ug/L	0.00
Standard Area 1 = 323090			Recovery =	90.78%		
79) 1,4-Dichlorobenzene-d4	10.245	152	171522	20.000	ug/L	0.00
Standard Area 1 = 192543			Recovery =	89.08%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.028	113	101401	22.314	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	111.57%		
43) 1,2-Dichloroethane-d4	5.626	65	108778	22.743	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	113.71%		
60) Toluene-d8	7.592	98	327696	18.761	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	93.80%		
83) 4-Bromofluorobenzene	9.584	95	121036	20.509	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.55%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.080	85	67	N.D.		
3) Chloromethane	0.000		0	N.D. d		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.521	94	64	Below Cal		91
6) Chloroethane	1.694	64	61	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.082	96	114	N.D.		
11) Carbon disulfide	2.165	76	289	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	2.726	84	14458	1.441 ug/L	#	66
17) Acetone	2.800	43	15717	5.419 ug/L		96
18) trans-1,2-Dichloroethene	2.899	96	103	N.D.		
19) Methyl acetate	0.000		0	N.D. d		
20) Methyl tert-butyl ether	3.130	73	52	N.D.		
21) tert-Butyl alcohol	0.000		0	N.D. 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	4.645	56	1987	0.378 ug/L		74
32) Chloroform	4.818	83	124	N.D.		

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\VOA129\2025\250628A\
 Data File : V29250628A10.D
 Acq On : 28 Jun 2025 03:13 pm
 Operator : VOA129:JIC
 Sample : L2539397-01,31,5.47,5,,Y
 Misc : WG2085229,ICAL22427
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 28 22:13:02 2025
 Quant Method : K:\VOA129\2025\250628A\V129_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 27 09:03:12 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA129\2025\250628A\V29250628A01.D
 Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	5.212	43	2756	1.503	ug/L #	82
41) Benzene	5.474	78	427	N.D.		
44) 1,2-Dichloroethane	5.694	62	86	N.D.		
47) Methyl cyclohexane	6.124	83	2872	0.476	ug/L #	55
48) Trichloroethene	6.150	95	135	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	7.634	92	1970	0.179	ug/L	88
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.959	166	584	0.125	ug/L #	80
65) trans-1,3-Dichloropropene	7.938	75	58	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	0.000		0	N.D.	d	
73) Chlorobenzene	8.803	112	187	N.D.		
74) Ethylbenzene	8.835	91	1497	0.081	ug/L #	78
76) p/m Xylene	8.940	106	2017	0.288	ug/L	92
77) o Xylene	9.223	106	480	0.070	ug/L #	52
78) Styrene	9.249	104	292	N.D.		
80) Bromoform	9.259	173	113	N.D.		
82) Isopropylbenzene	9.417	105	848	N.D.		
87) 1,1,2,2-Tetrachloroethane	9.716	83	289	N.D.		
100) 1,3-Dichlorobenzene	10.203	146	256	N.D.		
101) 1,4-Dichlorobenzene	10.256	146	468	N.D.		
104) 1,2-Dichlorobenzene	10.497	146	337	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	11.336	180	340	N.D.		
111) 1,2,3-Trichlorobenzene	11.624	180	136	N.D.		

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

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\VOA129\2025\250628A\
 Data File : V29250628A10.D
 Acq On : 28 Jun 2025 03:13 pm
 Operator : VOA129:JIC
 Sample : L2539397-01,31,5.47,5,,Y
 Misc : WG2085229,ICAL22427
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 28 22:13:02 2025
 Quant Method : K:\VOA129\2025\250628A\V129_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 27 09:03:12 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA129\2025\250628A\V29250628A01.D
 Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

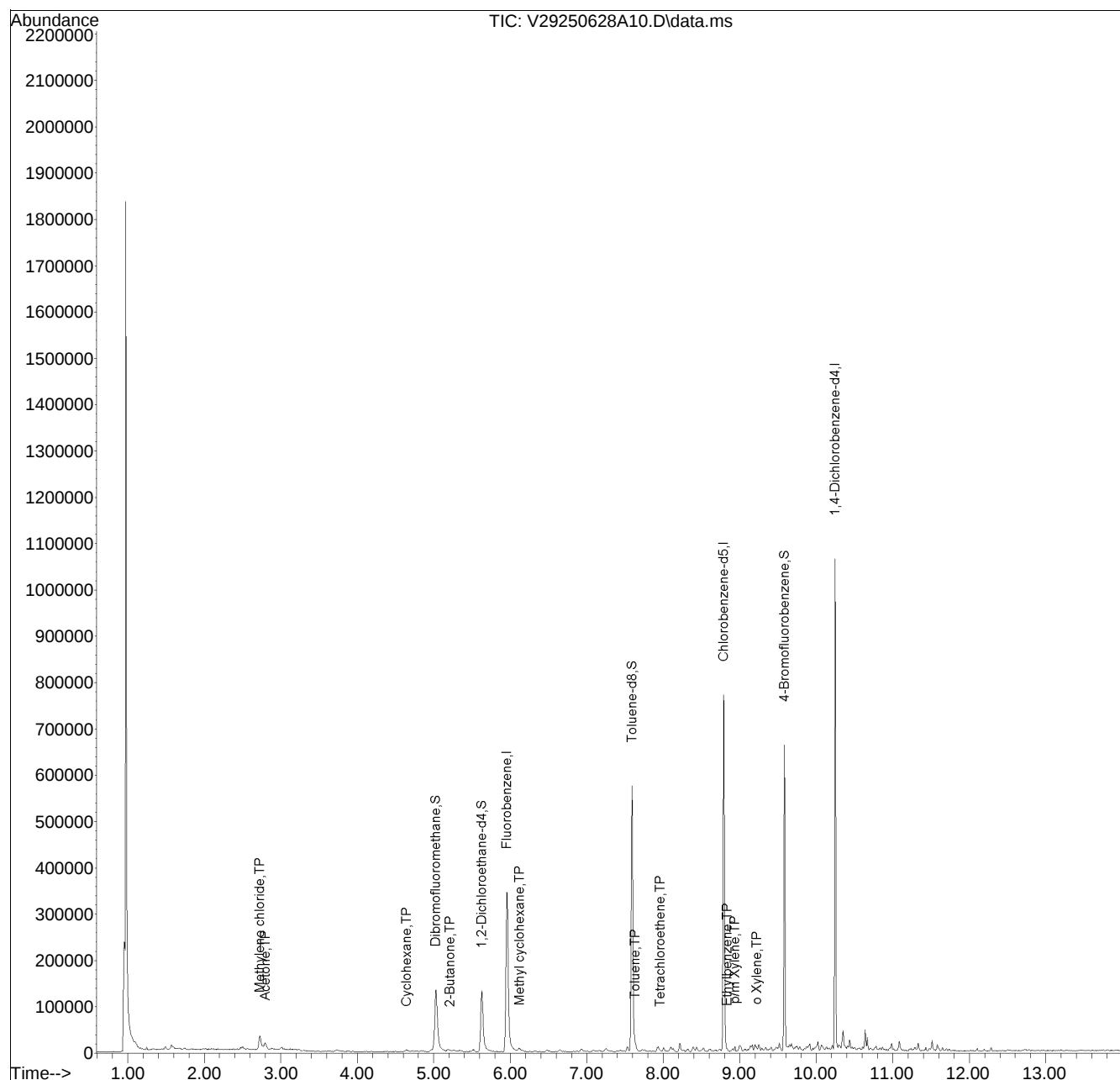
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

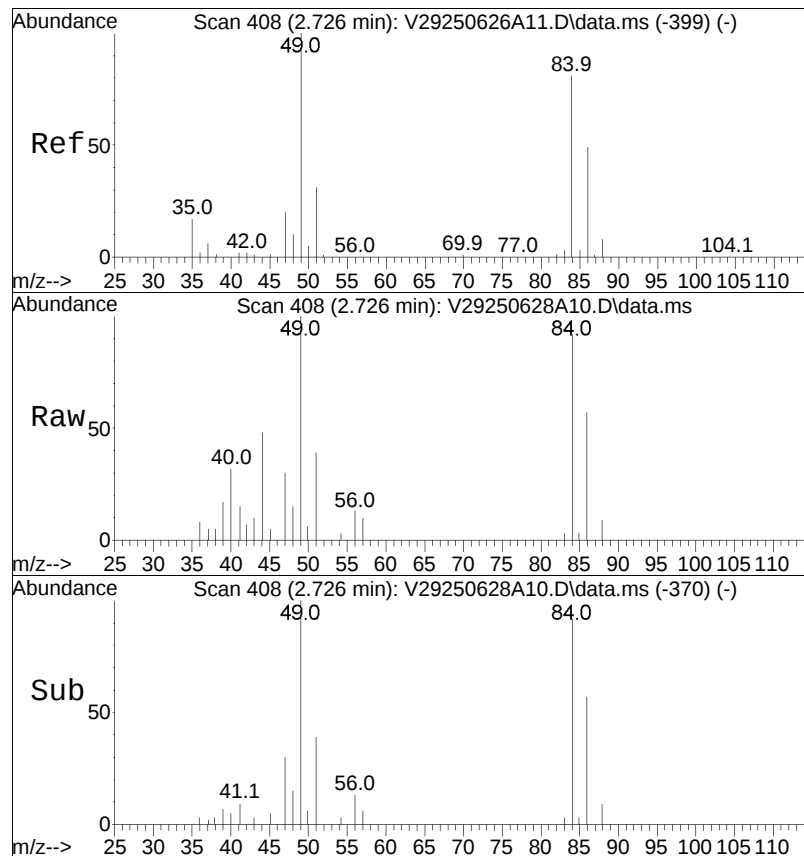
Quantitation Report (QT/LSC Reviewed)

Data Path : K:\VOA129\2025\250628A\
 Data File : V29250628A10.D
 Acq On : 28 Jun 2025 03:13 pm
 Operator : VOA129:JIC
 Sample : L2539397-01,31,5.47,5,,Y
 Misc : WG2085229,ICAL22427
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 28 22:13:02 2025
 Quant Method : K:\VOA129\2025\250628A\V129_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 27 09:03:12 2025
 Response via : Initial Calibration

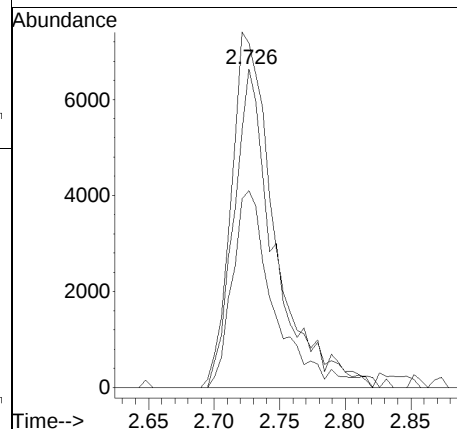
Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

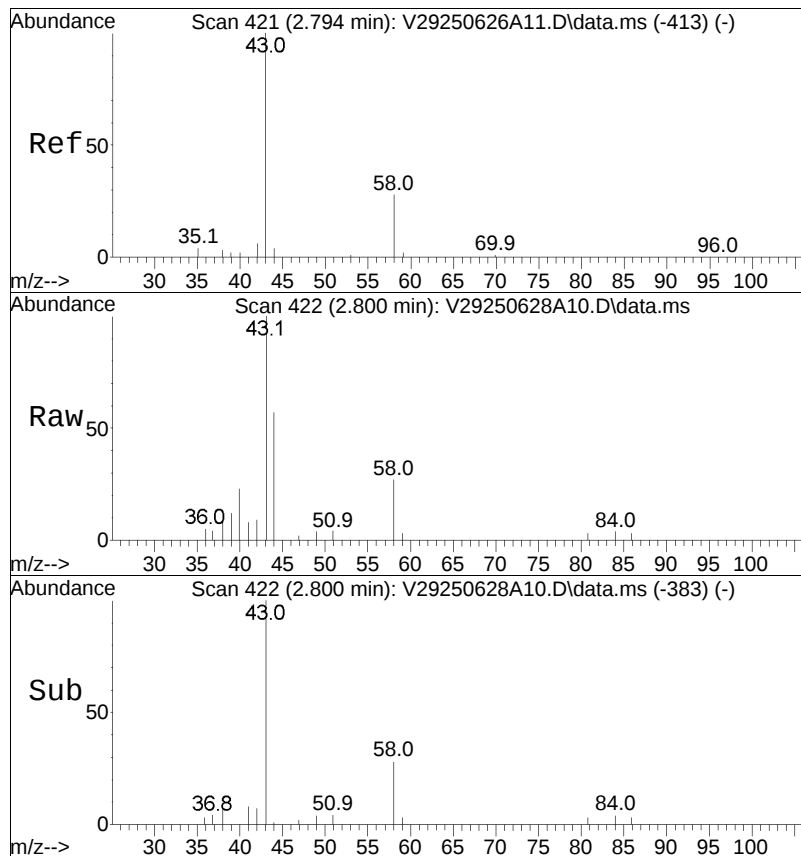




#15
Methylene chloride
Concen: 1.44 ug/L
RT: 2.726 min Scan# 408
Delta R.T. 0.000 min
Lab File: V29250628A10.D
Acq: 28 Jun 2025 03:13 pm

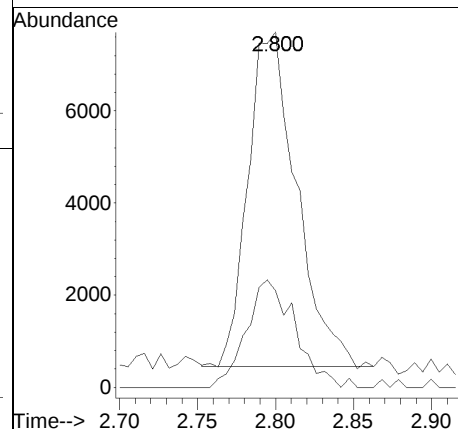
Tgt Ion:	84	Resp:	14458
Ion Ratio	Lower	Upper	
84	100		
86	62.4	40.4	83.8
49	118.9	120.0	249.2#

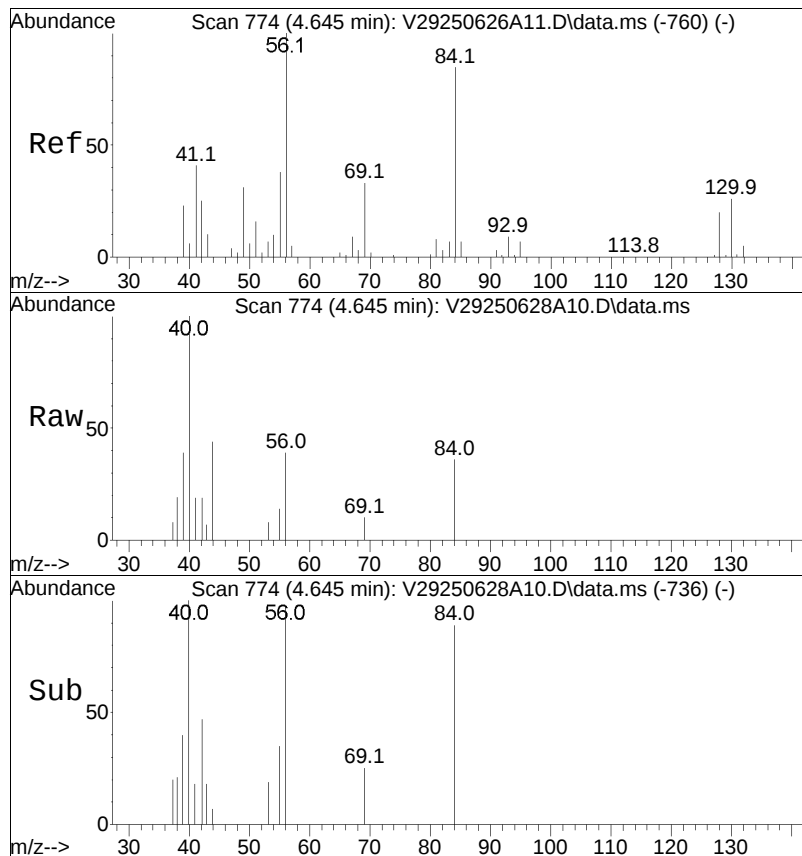




#17
 Acetone
 Concen: 5.42 ug/L
 RT: 2.800 min Scan# 422
 Delta R.T. 0.006 min
 Lab File: V29250628A10.D
 Acq: 28 Jun 2025 03:13 pm

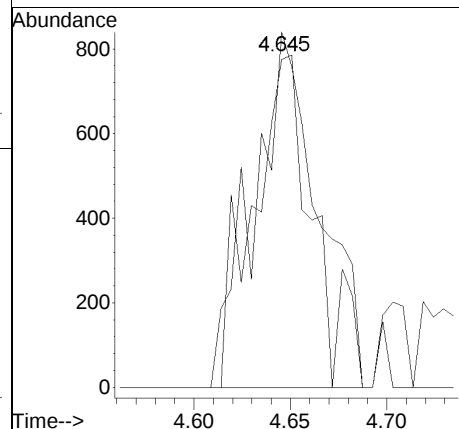
Tgt Ion:	43	58	Ratio	100	32.4	Resp:	15717	Lower	Upper
43	100								
58		32.4						24.2	36.4

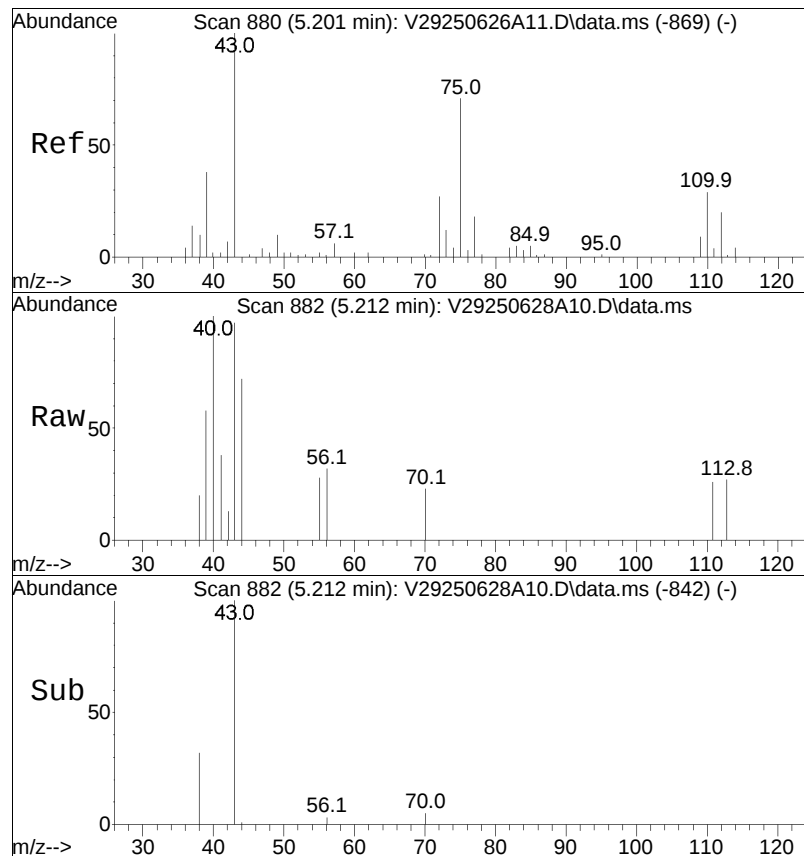




#31
 Cyclohexane
 Concen: 0.38 ug/L
 RT: 4.645 min Scan# 774
 Delta R.T. 0.000 min
 Lab File: V29250628A10.D
 Acq: 28 Jun 2025 03:13 pm

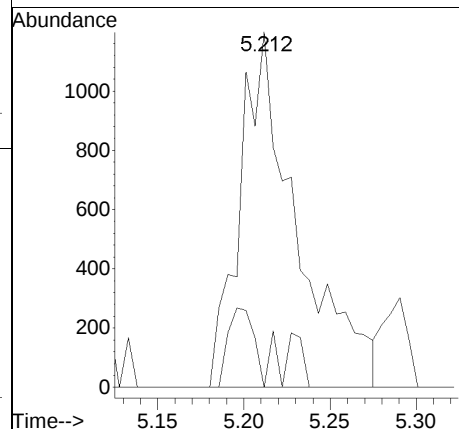
Tgt Ion: 56	Resp: 1987
Ion Ratio Lower Upper	
56 100	
84 78.5	38.4 79.8

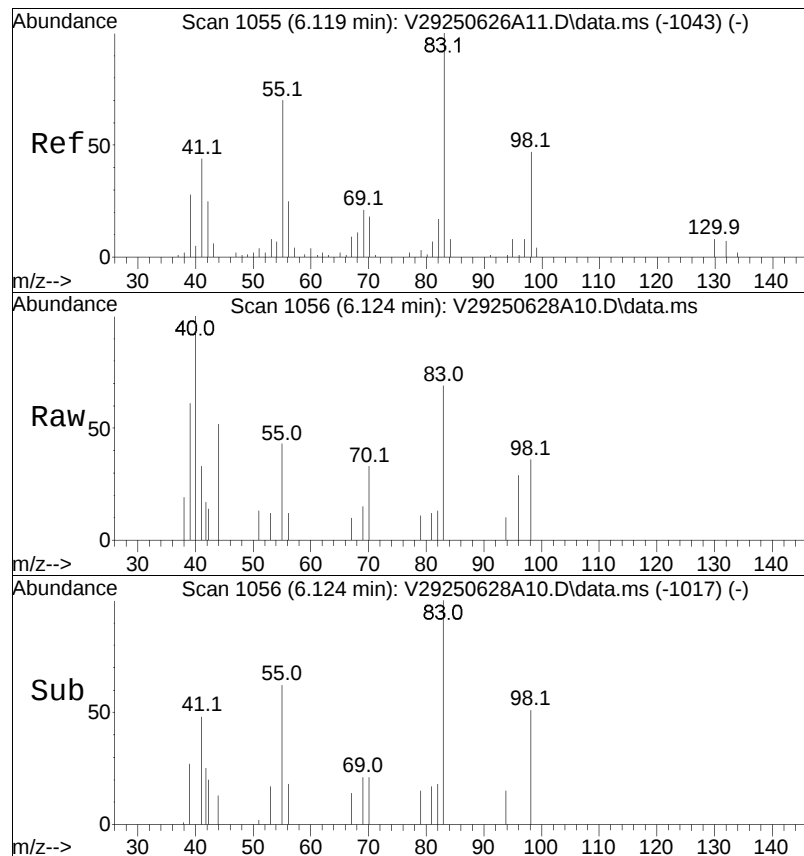




#39
 2-Butanone
 Concen: 1.50 ug/L
 RT: 5.212 min Scan# 882
 Delta R.T. 0.011 min
 Lab File: V29250628A10.D
 Acq: 28 Jun 2025 03:13 pm

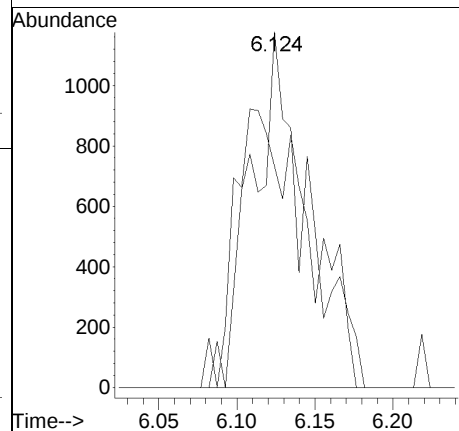
Tgt Ion: 43 Resp: 2756
 Ion Ratio Lower Upper
 43 100
 72 6.2 10.9 16.3#

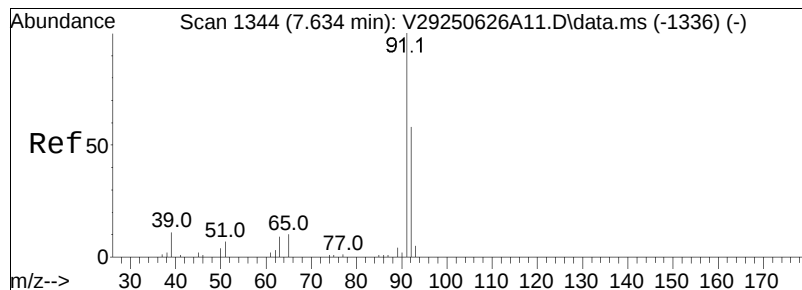




#47
Methyl cyclohexane
Concen: 0.48 ug/L
RT: 6.124 min Scan# 1056
Delta R.T. 0.005 min
Lab File: V29250628A10.D
Acq: 28 Jun 2025 03:13 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
55	63.1	88.3	132.5#





#61

Toluene

Concen: 0.18 ug/L

RT: 7.634 min Scan# 1344

Delta R.T. 0.000 min

Lab File: V29250628A10.D

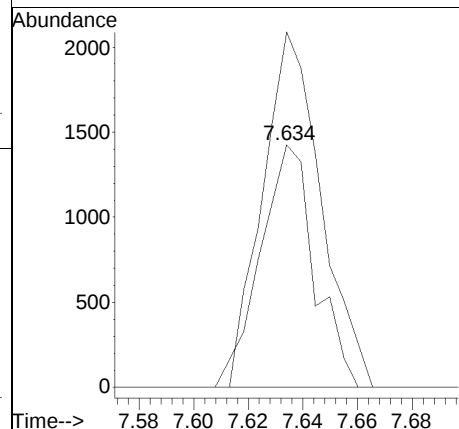
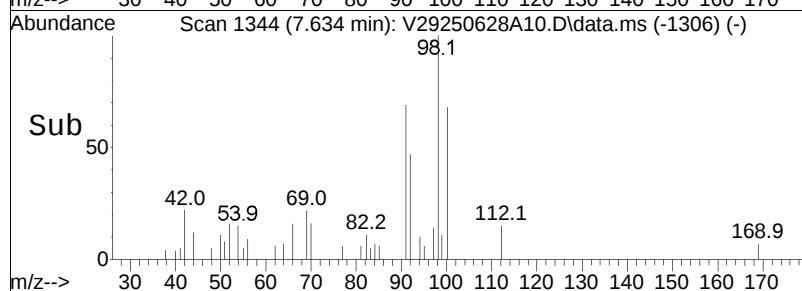
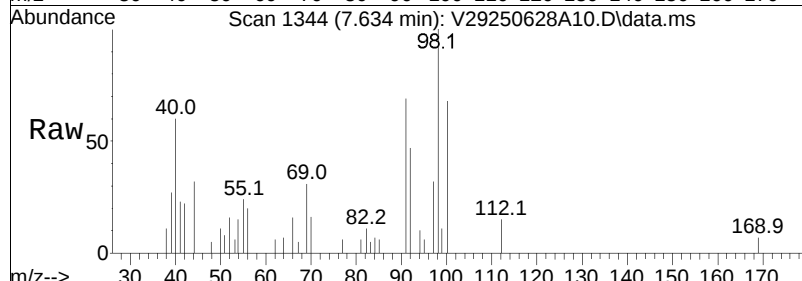
Acq: 28 Jun 2025 03:13 pm

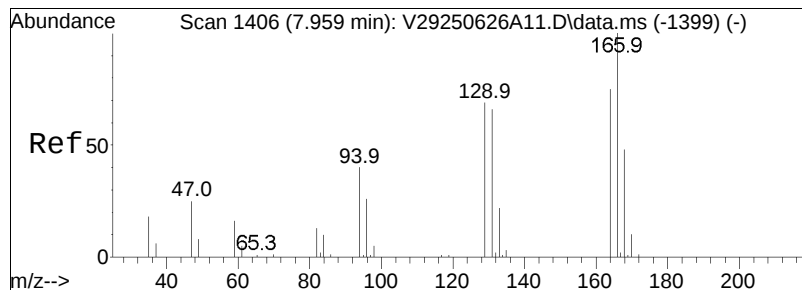
Tgt Ion: 92 Resp: 1970

Ion Ratio Lower Upper

92 100

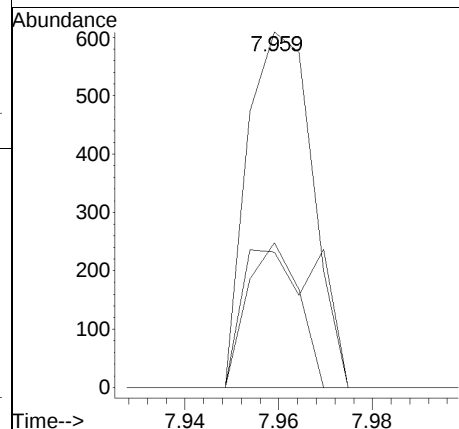
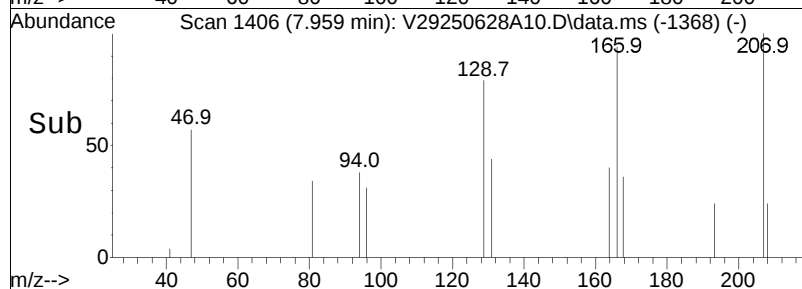
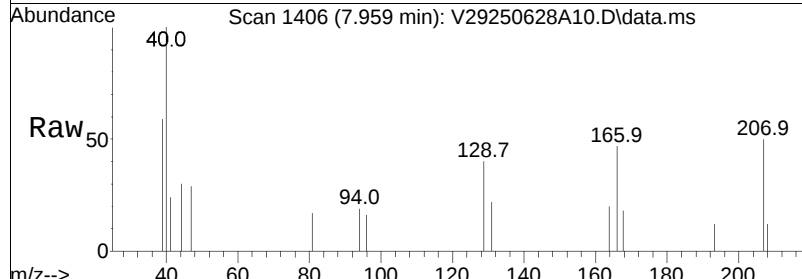
91 157.8 139.8 209.6

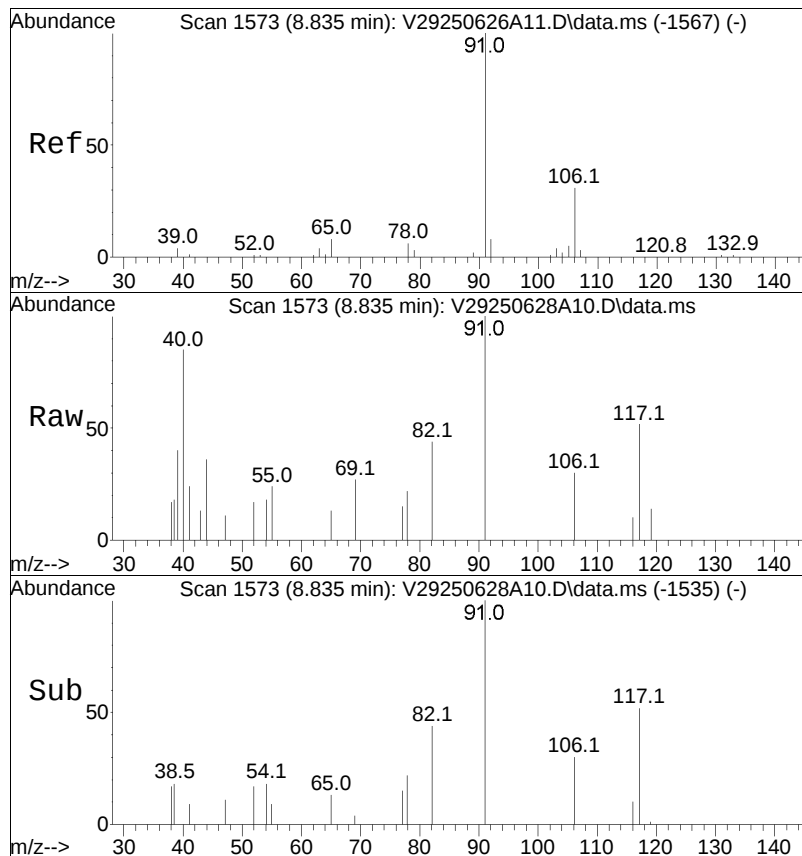




#63
Tetrachloroethene
Concen: 0.12 ug/L
RT: 7.959 min Scan# 1406
Delta R.T. 0.000 min
Lab File: V29250628A10.D
Acq: 28 Jun 2025 03:13 pm

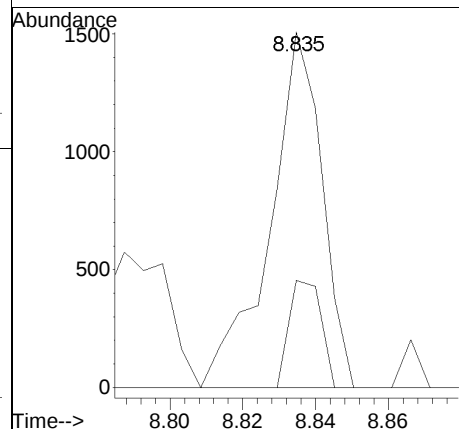
Tgt Ion	Ratio	Lower	Upper
166	100		
168	46.4	28.2	68.2
94	32.4	38.4	78.4

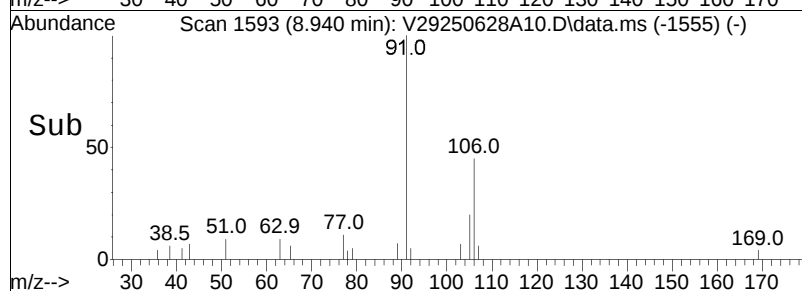
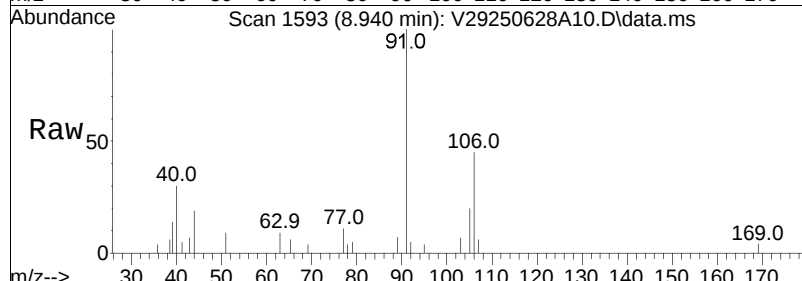
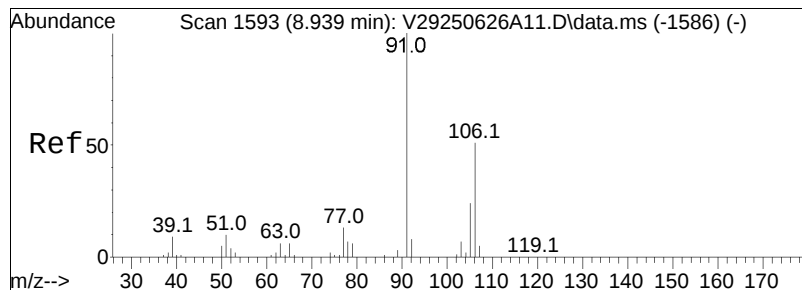




#74
 Ethylbenzene
 Concen: 0.08 ug/L
 RT: 8.835 min Scan# 1573
 Delta R.T. 0.000 min
 Lab File: V29250628A10.D
 Acq: 28 Jun 2025 03:13 pm

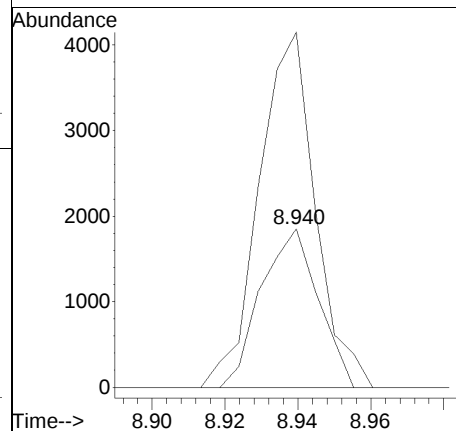
Tgt Ion: 91 Resp: 1497
 Ion Ratio Lower Upper
 91 100
 106 18.6 24.3 36.5#

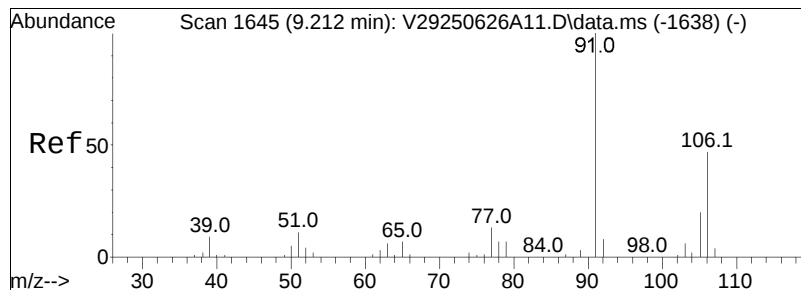




#76
 p/m Xylene
 Concen: 0.29 ug/L
 RT: 8.940 min Scan# 1593
 Delta R.T. 0.000 min
 Lab File: V29250628A10.D
 Acq: 28 Jun 2025 03:13 pm

Tgt Ion	Ratio	Lower	Upper
106	100		
91	219.9	166.4	249.6





#77

o Xylene

Concen: 0.07 ug/L

RT: 9.223 min Scan# 1647

Delta R.T. 0.011 min

Lab File: V29250628A10.D

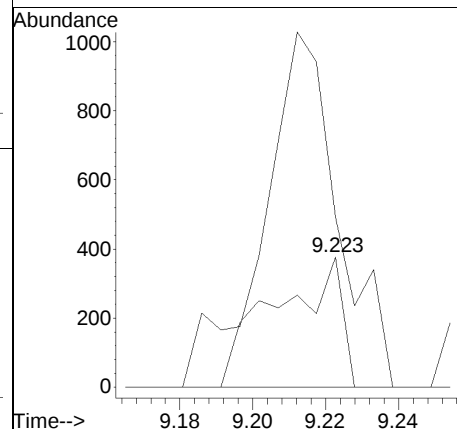
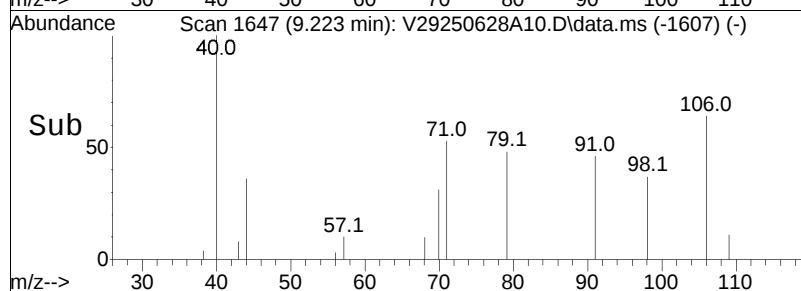
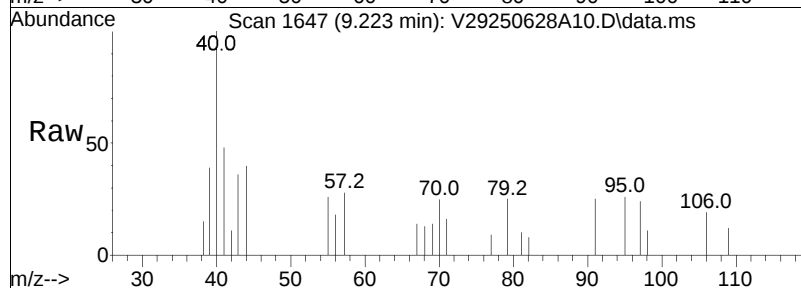
Acq: 28 Jun 2025 03:13 pm

Tgt Ion:106 Resp: 480

Ion Ratio Lower Upper

106 100

91 307.3 182.6 273.8#



Manual Integration Report

Data Path	: K:\V0A129\2025\250628A\	QMethod	: V129_250626A_8260.m
Data File	: V29250628A10.D	Operator	: V0A129:JIC
Date Inj'd	: 6/28/2025 3:13 pm	Instrument	: V0A 129
Sample	: L2539397-01,31,5.47,5,,Y	Quant Date	: 6/28/2025 7:29 pm

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

LSC Area Percent Report

Data Path : K:\VOA129\2025\250628A\
 Data File : V29250628A10.D
 Acq On : 28 Jun 2025 03:13 pm
 Operator : VOA129:JIC
 Sample : L2539397-01,31,5.47,5,,Y
 Misc : WG2085229,ICAL22427
 ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

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:\VOA129\2025\250628A\V129_250626A_8260.m

Title : VOLATILES BY GC/MS

Signal : TIC: V29250628A10.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.975	62	74	96	rBV	1836436	1981247	100.00%	28.313%
2	2.726	400	408	417	rBV3	30252	68401	3.45%	0.977%
3	5.028	826	847	871	rBV3	134276	377305	19.04%	5.392%
4	5.626	952	961	988	rBV	131146	315048	15.90%	4.502%
5	5.956	1013	1024	1047	rBV	345158	752544	37.98%	10.754%
6	7.592	1328	1336	1356	rVB	573371	902097	45.53%	12.891%
7	8.787	1559	1564	1579	rVB	770383	942151	47.55%	13.464%
8	9.584	1710	1716	1723	rBV	660629	674865	34.06%	9.644%
9	10.245	1838	1842	1849	rBV	1058499	983978	49.66%	14.062%

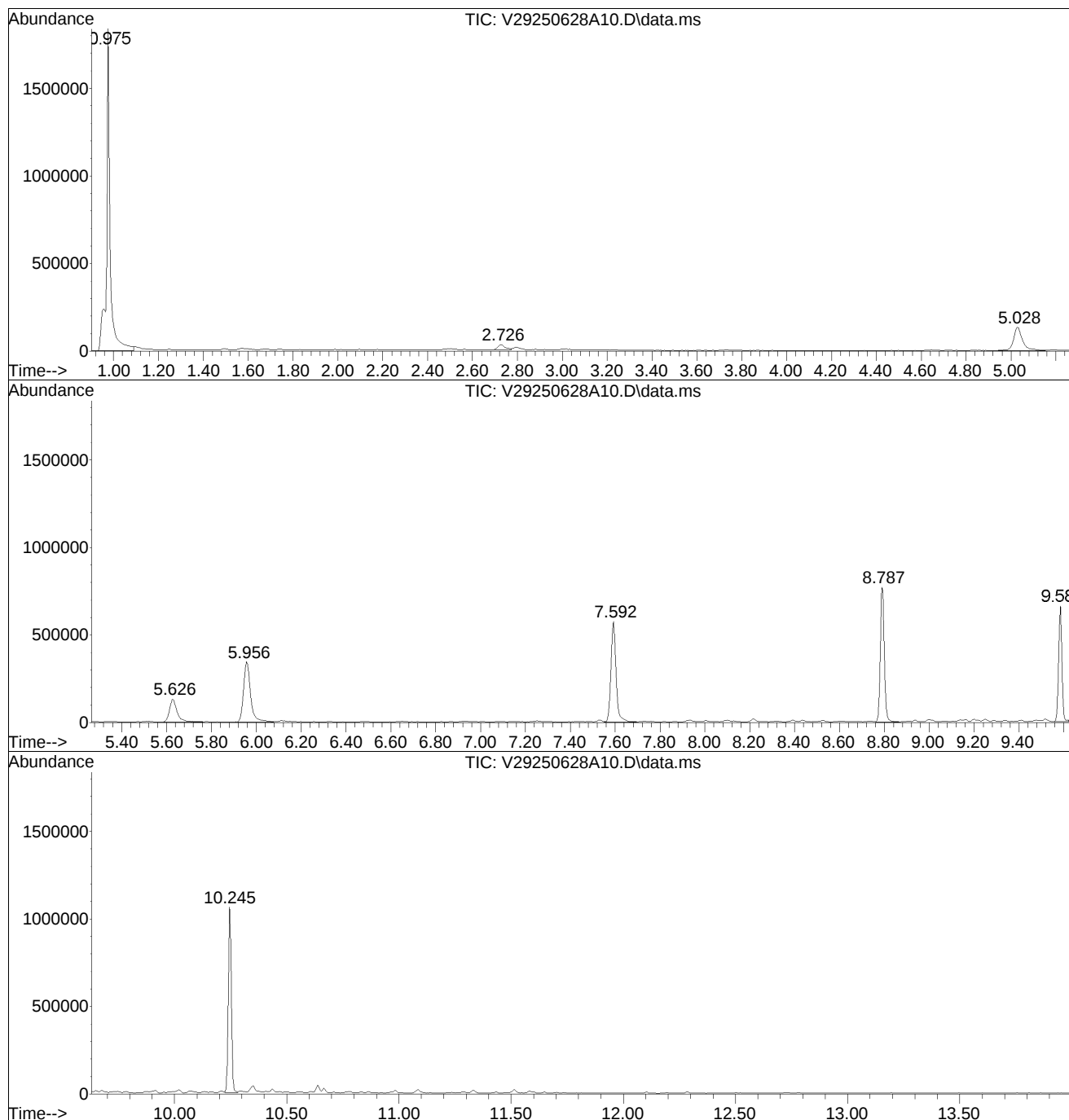
Sum of corrected areas: 6997636

LSC Report - Integrated Chromatogram

Data Path : K:\VOA129\2025\250628A\
Data File : V29250628A10.D
Acq On : 28 Jun 2025 03:13 pm
Operator : VOA129:JIC
Sample : L2539397-01,31,5.47,5,,Y
Misc : WG2085229,ICAL22427
ALS Vial : 10 Sample Multiplier: 1

Quant Method : K:\VOA129\2025\250628A\V129_250626A_8260.m
Quant Title : VOLATILES BY GC/MS

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



Library Search Compound Report

Data Path : K:\VOA129\2025\250628A\
Data File : V29250628A10.D
Acq On : 28 Jun 2025 03:13 pm
Operator : VOA129:JIC
Sample : L2539397-01,31,5.47,5,,Y
Misc : WG2085229,ICAL22427
ALS Vial : 10 Sample Multiplier: 1

Quant Method : K:\VOA129\2025\250628A\V129_250626A_8260.m
Quant Title : VOLATILES BY GC/MS

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

No Library Search Compounds Detected

Tentatively Identified Compound (LSC) summary

Data Path : K:\VOA129\2025\250628A\
 Data File : V29250628A10.D
 Acq On : 28 Jun 2025 03:13 pm
 Operator : VOA129:JIC
 Sample : L2539397-01,31,5.47,5,,Y
 Misc : WG2085229,ICAL22427
 ALS Vial : 10 Sample Multiplier: 1

Quant Method : K:\VOA129\2025\250628A\V129_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS

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

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

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\VOA129\2025\250628A\
 Data File : V29250628A11.D
 Acq On : 28 Jun 2025 03:34 pm
 Operator : VOA129:JIC
 Sample : L2539397-02,31,6.21,5,,Z
 Misc : WG2085229,ICAL22427
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 28 22:13:26 2025
 Quant Method : K:\VOA129\2025\250628A\V129_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 27 09:03:12 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA129\2025\250628A\V29250628A01.D
 Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

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

Internal Standards						
1) Fluorobenzene	5.956	96	337840	20.000	ug/L	0.00
Standard Area 1 = 411464			Recovery	=	82.11%	
59) Chlorobenzene-d5	8.792	117	307190	20.000	ug/L	0.00
Standard Area 1 = 323090			Recovery	=	95.08%	
79) 1,4-Dichlorobenzene-d4	10.245	152	181536	20.000	ug/L	0.00
Standard Area 1 = 192543			Recovery	=	94.28%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.028	113	103853	23.812	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	119.06%	
43) 1,2-Dichloroethane-d4	5.626	65	110533	24.079	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	120.40%	
60) Toluene-d8	7.592	98	330141	18.048	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	90.24%	
83) 4-Bromofluorobenzene	9.584	95	126517	20.255	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	101.28%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.085	85	107	N.D.		
3) Chloromethane	1.248	50	243	N.D.		
4) Vinyl chloride	1.305	62	49	N.D.		
5) Bromomethane	1.630	94	48	Below Cal		93
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.170	96	50	N.D.		
11) Carbon disulfide	2.170	76	1476	0.115	ug/L	99
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	2.726	84	11127	0.684	ug/L	72
17) Acetone	2.794	43	44813	26.865	ug/L	96
18) trans-1,2-Dichloroethene	2.931	96	94	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	0.000		0	N.D.		
21) tert-Butyl alcohol	0.000		0	N.D.	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	4.650	56	53	N.D.		
32) Chloroform	0.000		0	N.D.		

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\VOA129\2025\250628A\
 Data File : V29250628A11.D
 Acq On : 28 Jun 2025 03:34 pm
 Operator : VOA129:JIC
 Sample : L2539397-02,31,6.21,5,,Z
 Misc : WG2085229,ICAL22427
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 28 22:13:26 2025
 Quant Method : K:\VOA129\2025\250628A\V129_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 27 09:03:12 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA129\2025\250628A\V29250628A01.D
 Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	5.206	43	6576	3.738	ug/L #	85
41) Benzene	5.463	78	213	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	6.113	83	56	N.D.		
48) Trichloroethene	6.150	95	706	0.186	ug/L #	3
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	6.674	83	104	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	7.592	75	62	N.D.		
61) Toluene	7.634	92	1675	0.145	ug/L #	67
62) 4-Methyl-2-pentanone	0.000		0	N.D.	d	
63) Tetrachloroethene	7.959	166	870	0.178	ug/L #	68
65) trans-1,3-Dichloropropene	7.938	75	73	N.D.		
68) 1,1,2-Trichloroethane	8.137	83	150	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	8.399	107	54	N.D.		
72) 2-Hexanone	0.000		0	N.D.	d	
73) Chlorobenzene	8.798	112	300	N.D.		
74) Ethylbenzene	8.834	91	1162	N.D.		
76) p/m Xylene	8.934	106	843	0.115	ug/L #	65
77) o Xylene	9.207	106	350	N.D.		
78) Styrene	9.249	104	481	N.D.		
80) Bromoform	9.249	173	249	N.D.		
82) Isopropylbenzene	9.416	105	404	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	d	
100) 1,3-Dichlorobenzene	10.203	146	197	N.D.		
101) 1,4-Dichlorobenzene	10.255	146	427	N.D.		
104) 1,2-Dichlorobenzene	10.496	146	300	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	11.341	180	423	N.D.		
111) 1,2,3-Trichlorobenzene	11.624	180	283	N.D.		

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

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\VOA129\2025\250628A\
 Data File : V29250628A11.D
 Acq On : 28 Jun 2025 03:34 pm
 Operator : VOA129:JIC
 Sample : L2539397-02,31,6.21,5,,Z
 Misc : WG2085229,ICAL22427
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 28 22:13:26 2025
 Quant Method : K:\VOA129\2025\250628A\V129_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 27 09:03:12 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA129\2025\250628A\V29250628A01.D
 Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

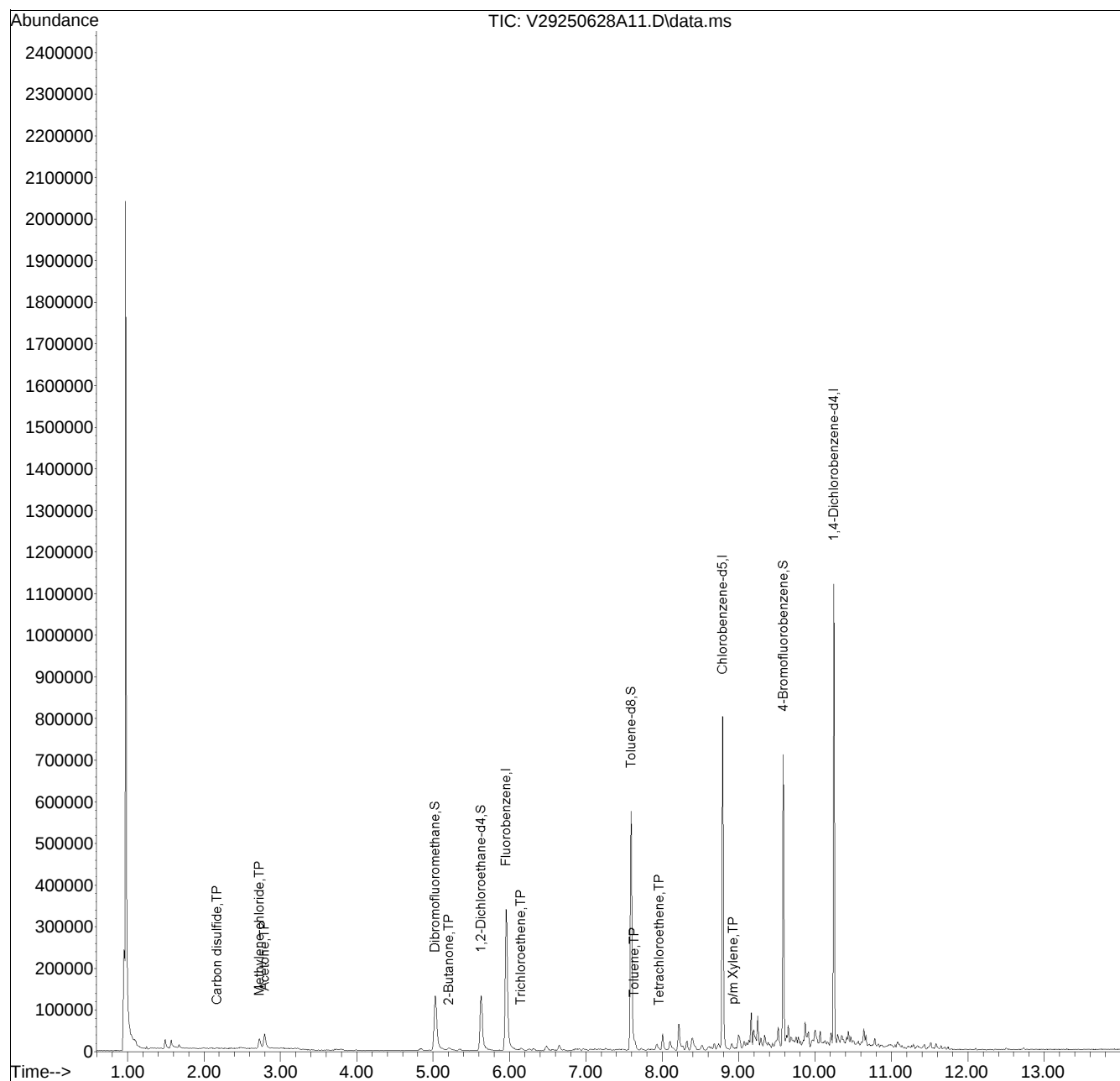
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

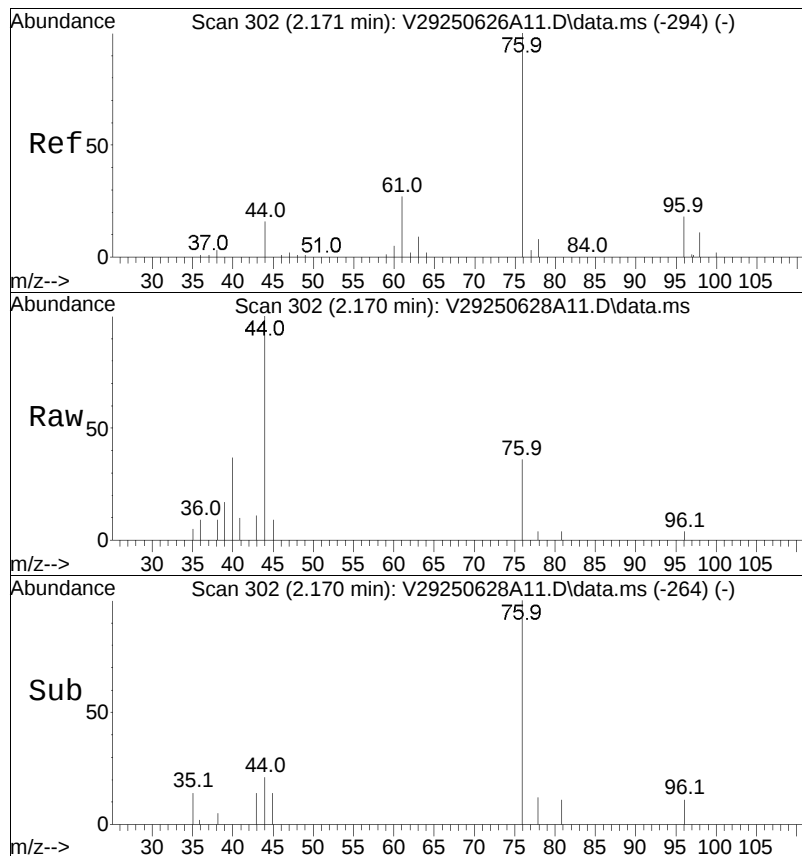
Quantitation Report (QT/LSC Reviewed)

Data Path : K:\VOA129\2025\250628A\
 Data File : V29250628A11.D
 Acq On : 28 Jun 2025 03:34 pm
 Operator : VOA129:JIC
 Sample : L2539397-02,31,6.21,5,,Z
 Misc : WG2085229,ICAL22427
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 28 22:13:26 2025
 Quant Method : K:\VOA129\2025\250628A\V129_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 27 09:03:12 2025
 Response via : Initial Calibration

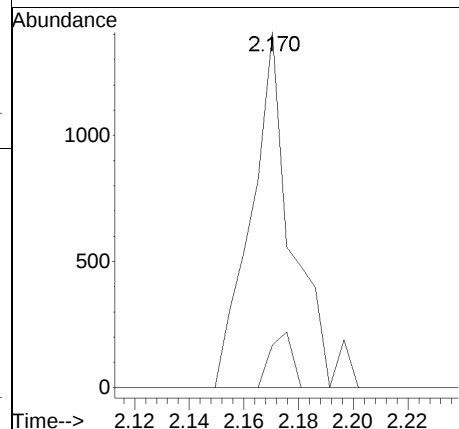
Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

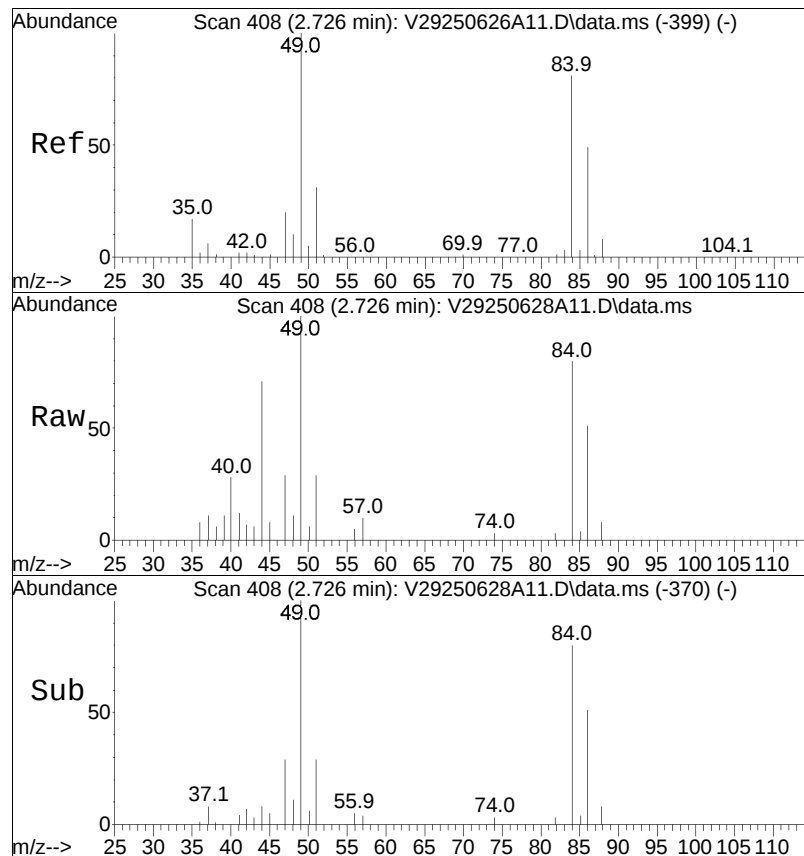




#11
 Carbon disulfide
 Concen: 0.12 ug/L
 RT: 2.170 min Scan# 302
 Delta R.T. -0.001 min
 Lab File: V29250628A11.D
 Acq: 28 Jun 2025 03:34 pm

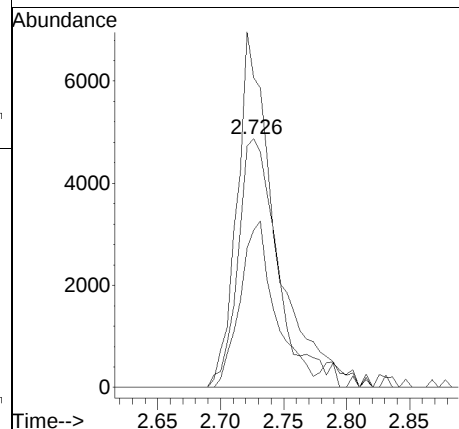
Tgt Ion:	76	Resp:	1476
Ion Ratio	Lower	Upper	
76	100		
78	8.3	5.7	11.7

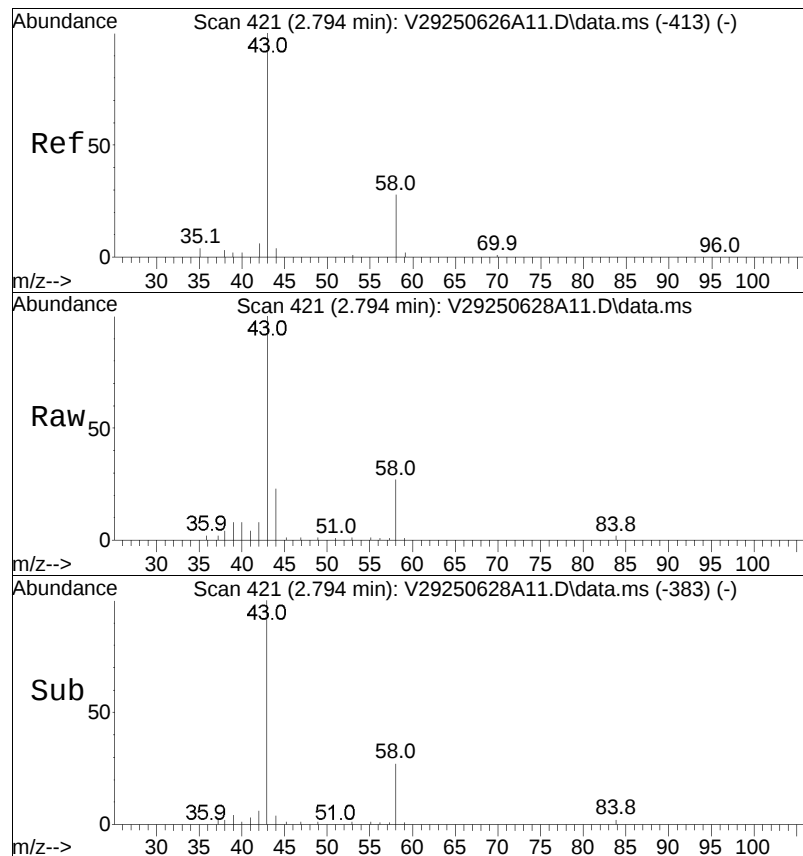




#15
Methylene chloride
Concen: 0.68 ug/L
RT: 2.726 min Scan# 408
Delta R.T. 0.000 min
Lab File: V29250628A11.D
Acq: 28 Jun 2025 03:34 pm

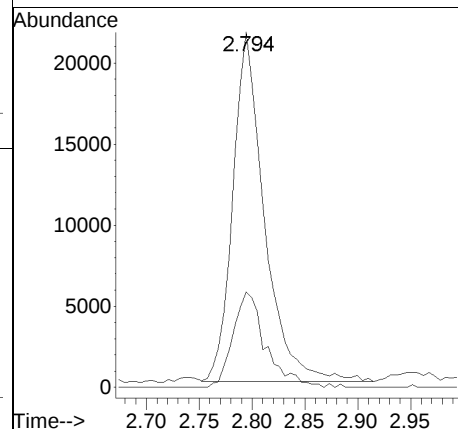
Tgt	Ion	Ratio	Lower	Upper
84	100			
86	57.7	40.4	83.8	
49	132.5	120.0	249.2	

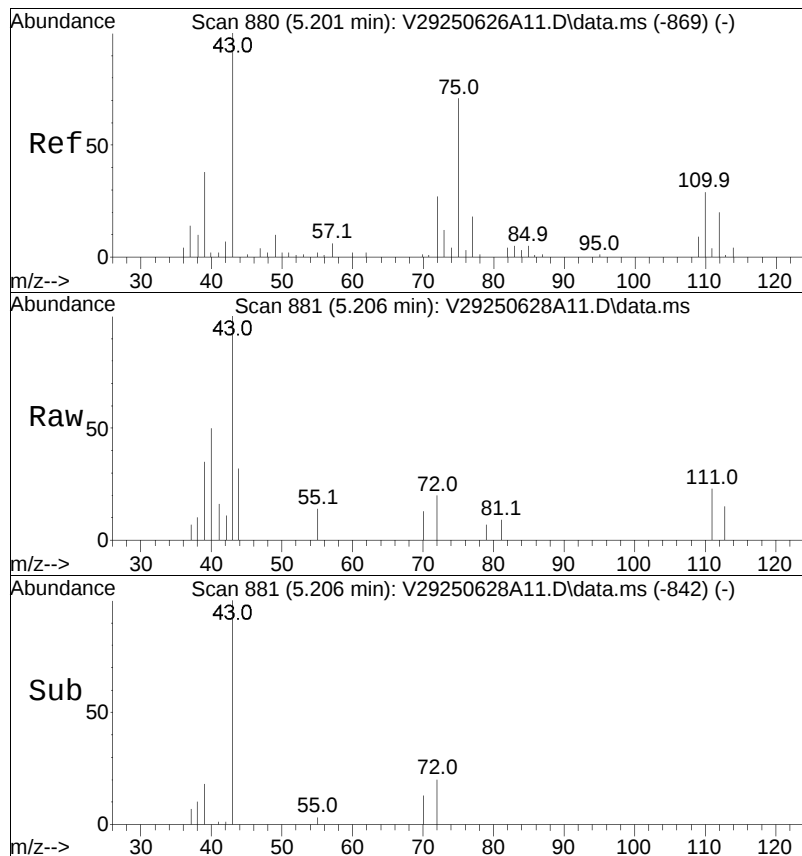




#17
 Acetone
 Concen: 26.87 ug/L
 RT: 2.794 min Scan# 421
 Delta R.T. 0.000 min
 Lab File: V29250628A11.D
 Acq: 28 Jun 2025 03:34 pm

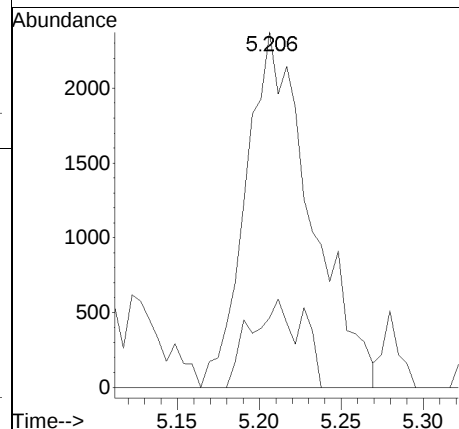
Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.2	24.2	36.4

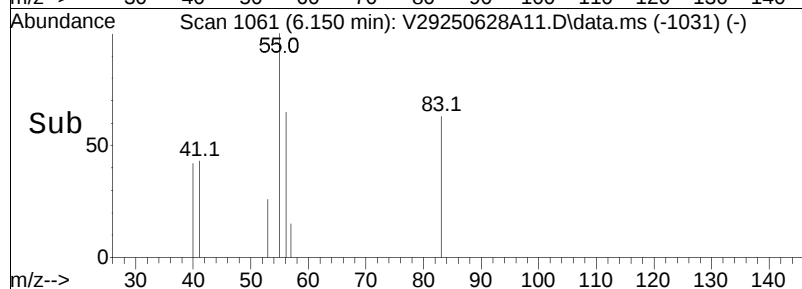
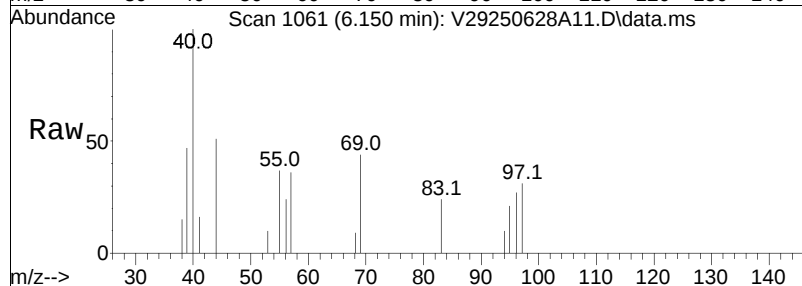
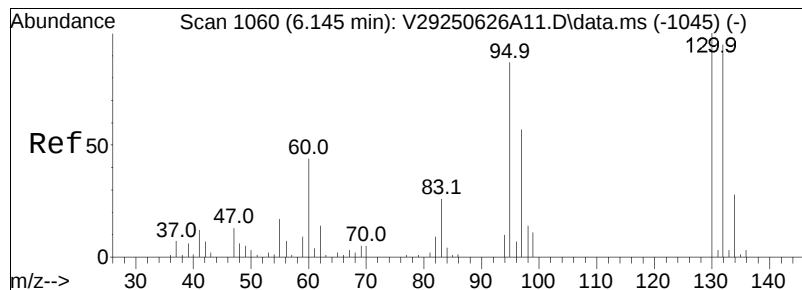




#39
 2-Butanone
 Concen: 3.74 ug/L
 RT: 5.206 min Scan# 881
 Delta R.T. 0.005 min
 Lab File: V29250628A11.D
 Acq: 28 Jun 2025 03:34 pm

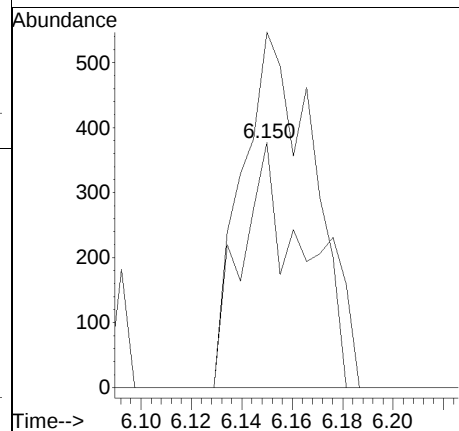
Tgt Ion:	43	72	Resp:	6576
Ion Ratio	100	19.5	Lower	Upper
			10.9	16.3#

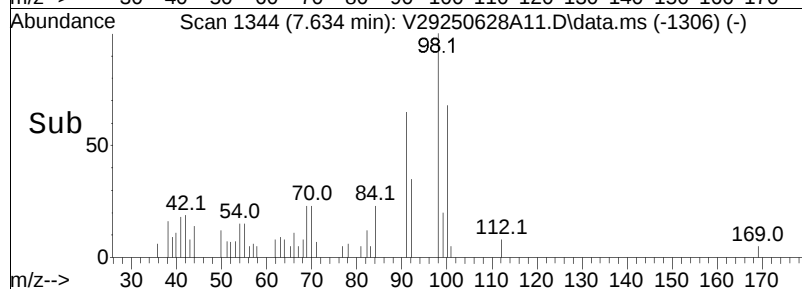
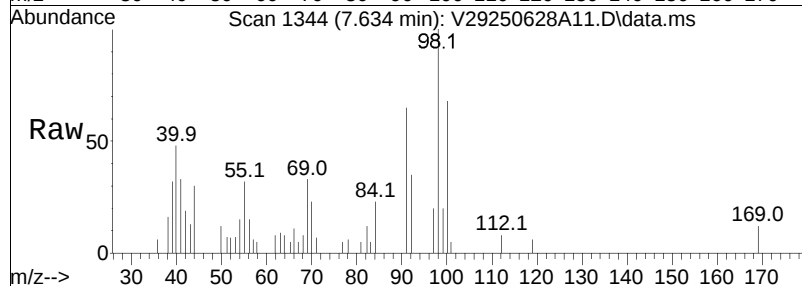
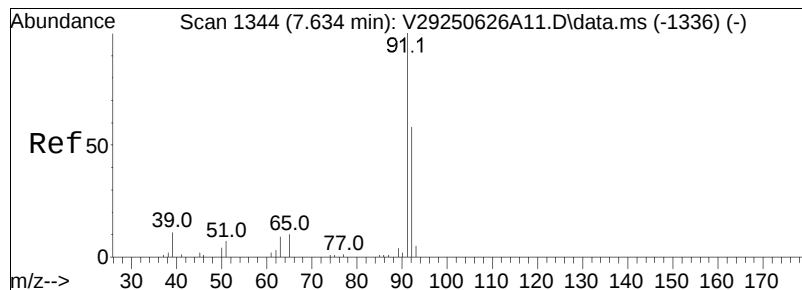




#48
 Trichloroethene
 Concen: 0.19 ug/L
 RT: 6.150 min Scan# 1061
 Delta R.T. 0.005 min
 Lab File: V29250628A11.D
 Acq: 28 Jun 2025 03:34 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
97	147.3	55.5	83.3#
130	0.0	76.6	115.0#





#61

Toluene

Concen: 0.15 ug/L

RT: 7.634 min Scan# 1344

Delta R.T. -0.000 min

Lab File: V29250628A11.D

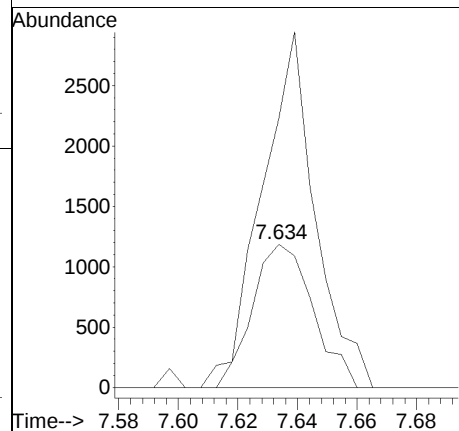
Acq: 28 Jun 2025 03:34 pm

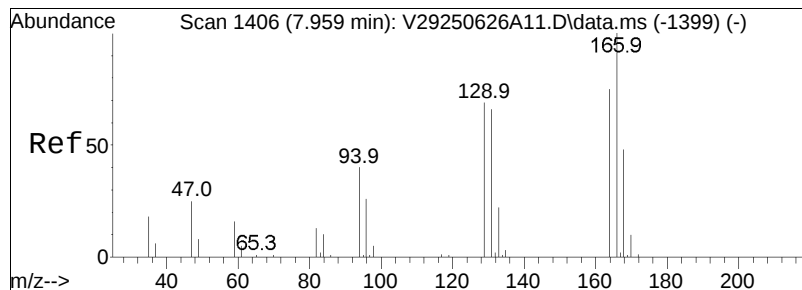
Tgt Ion: 92 Resp: 1675

Ion Ratio Lower Upper

92 100

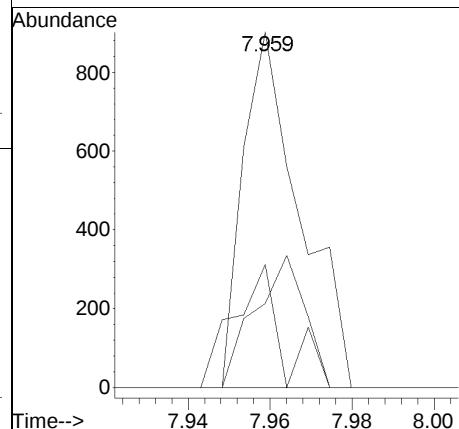
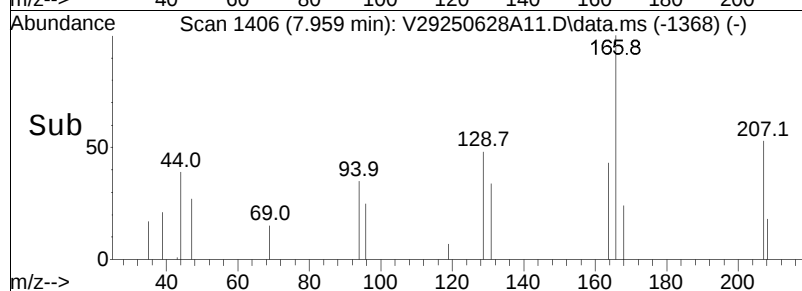
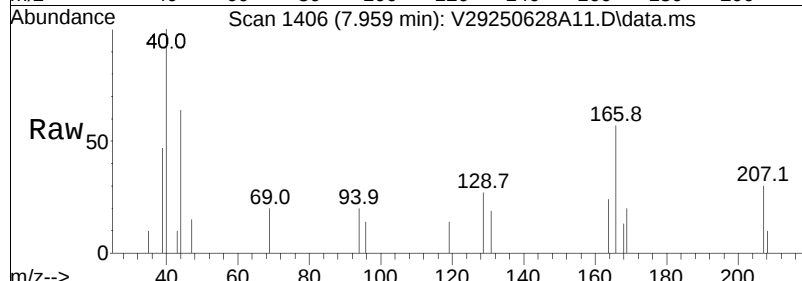
91 220.3 139.8 209.6#

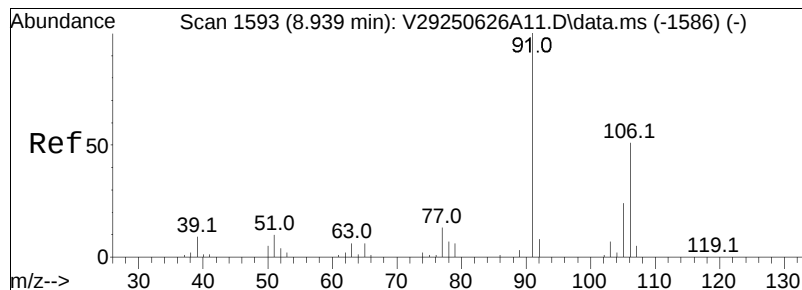




#63
Tetrachloroethene
Concen: 0.18 ug/L
RT: 7.959 min Scan# 1406
Delta R.T. -0.000 min
Lab File: V29250628A11.D
Acq: 28 Jun 2025 03:34 pm

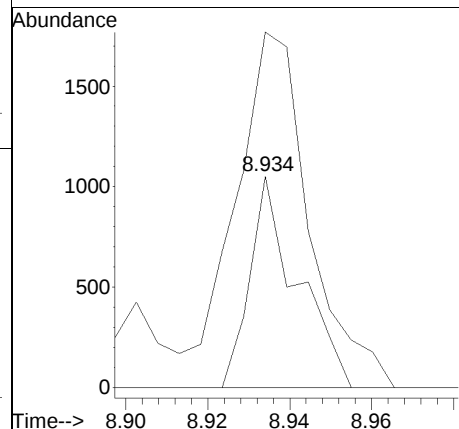
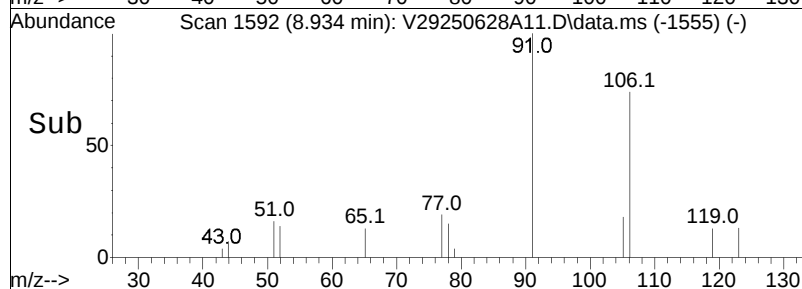
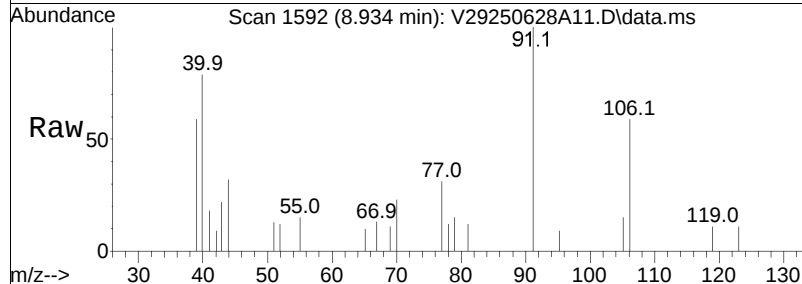
Tgt Ion	Ratio	Lower	Upper
166	100		
168	32.6	28.2	68.2
94	29.7	38.4	78.4





#76
p/m Xylene
Concen: 0.11 ug/L
RT: 8.934 min Scan# 1592
Delta R.T. -0.005 min
Lab File: V29250628A11.D
Acq: 28 Jun 2025 03:34 pm

Tgt Ion	Ratio	Lower	Upper
106	100		
91	261.8	166.4	249.6#



Manual Integration Report

Data Path	: K:\V0A129\2025\250628A\	QMethod	: V129_250626A_8260.m
Data File	: V29250628A11.D	Operator	: V0A129:JIC
Date Inj'd	: 6/28/2025 3:34 pm	Instrument	: V0A 129
Sample	: L2539397-02,31,6.21,5,,Z	Quant Date	: 6/28/2025 7:29 pm

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

LSC Area Percent Report

Data Path : K:\VOA129\2025\250628A\
Data File : V29250628A11.D
Acq On : 28 Jun 2025 03:34 pm
Operator : VOA129:JIC
Sample : L2539397-02,31,6.21,5,,Z
Misc : WG2085229,ICAL22427
ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

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:\VOA129\2025\250628A\V129_250626A_8260.m

Title : VOLATILES BY GC/MS

Signal : TIC: V29250628A11.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.975	65	74	118	rBV	2040586	2274612	100.00%	28.215%
2	2.794	414	421	433	rVB	34821	74501	3.28%	0.924%
3	5.028	835	847	874	rBV	131703	362419	15.93%	4.495%
4	5.626	952	961	987	rBV2	132374	315713	13.88%	3.916%
5	5.956	1014	1024	1052	rBV	339483	736256	32.37%	9.133%
6	7.592	1325	1336	1356	rVB	573199	932689	41.00%	11.569%
7	8.216	1447	1455	1463	rBV2	63240	109832	4.83%	1.362%
8	8.394	1481	1489	1503	rBV6	29822	77011	3.39%	0.955%
9	8.787	1559	1564	1581	rVB	799864	1005486	44.20%	12.472%
10	8.997	1595	1604	1612	rBV6	33062	70913	3.12%	0.880%
11	9.165	1632	1636	1639	rVB	77930	78756	3.46%	0.977%
12	9.249	1648	1652	1657	rVB	69445	79265	3.48%	0.983%
13	9.516	1692	1703	1709	rBV4	45367	83262	3.66%	1.033%
14	9.584	1709	1716	1721	rBV	700615	741357	32.59%	9.196%
15	9.867	1762	1770	1775	rBV3	54921	86227	3.79%	1.070%
16	10.245	1838	1842	1848	rBV	1101752	1033524	45.44%	12.820%

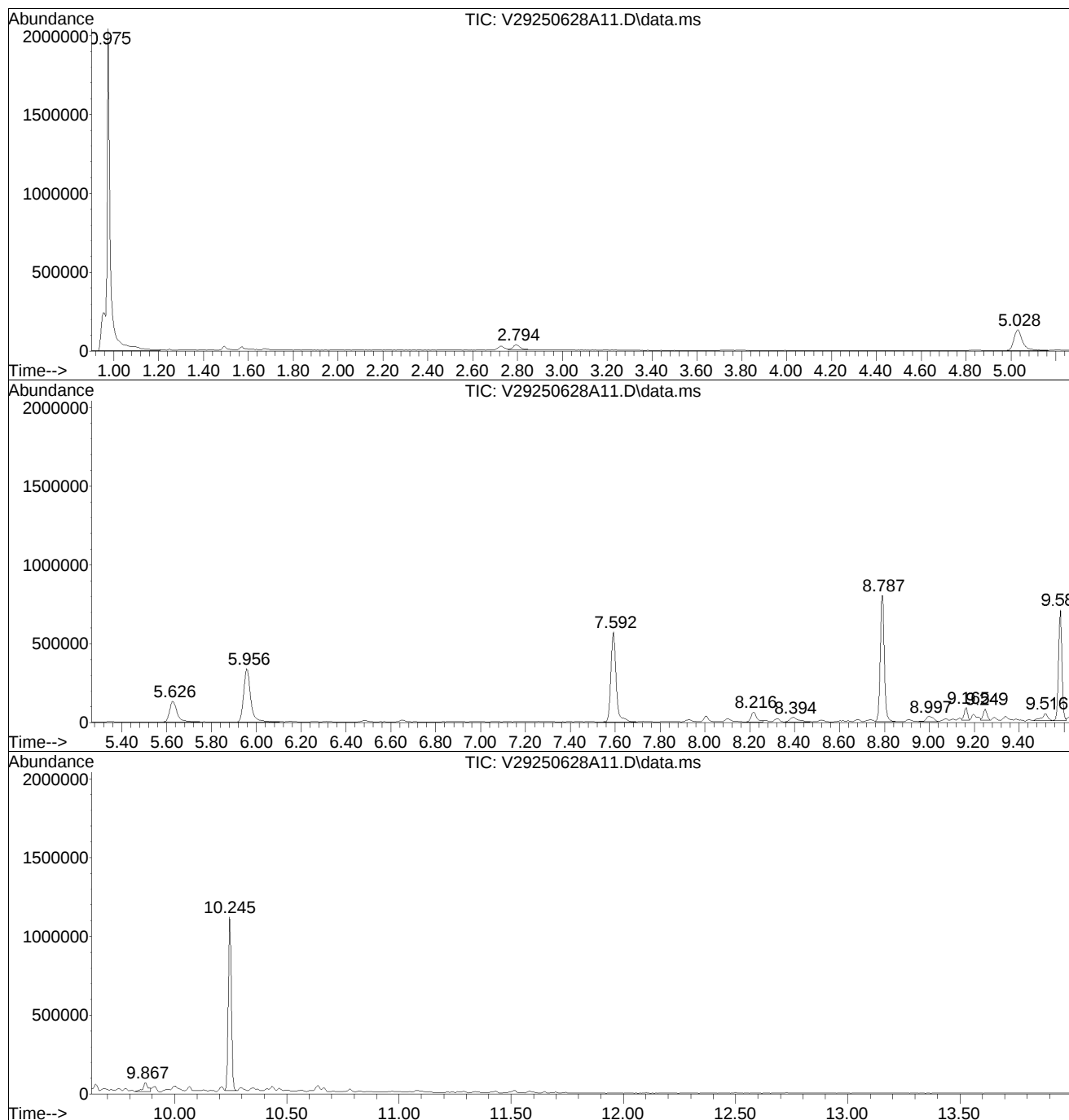
Sum of corrected areas: 8061823

LSC Report - Integrated Chromatogram

Data Path : K:\VOA129\2025\250628A\
 Data File : V29250628A11.D
 Acq On : 28 Jun 2025 03:34 pm
 Operator : VOA129:JIC
 Sample : L2539397-02,31,6.21,5,,Z
 Misc : WG2085229,ICAL22427
 ALS Vial : 11 Sample Multiplier: 1

Quant Method : K:\VOA129\2025\250628A\V129_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS

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



Library Search Compound Report

Data Path : K:\VOA129\2025\250628A\
Data File : V29250628A11.D
Acq On : 28 Jun 2025 03:34 pm
Operator : VOA129:JIC
Sample : L2539397-02,31,6.21,5,,Z
Misc : WG2085229,ICAL22427
ALS Vial : 11 Sample Multiplier: 1

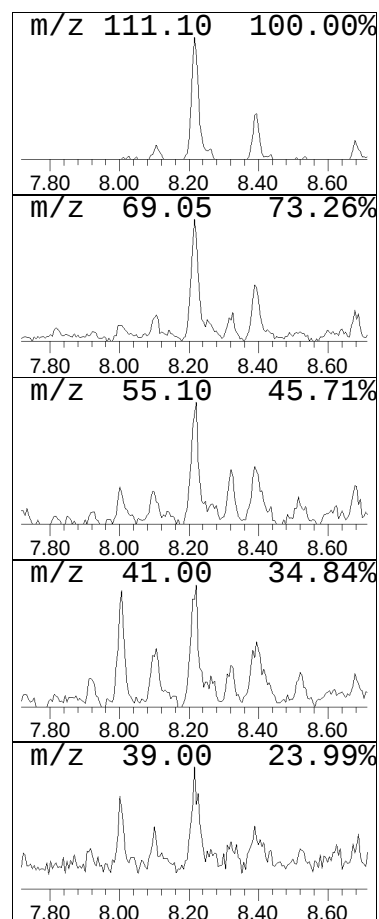
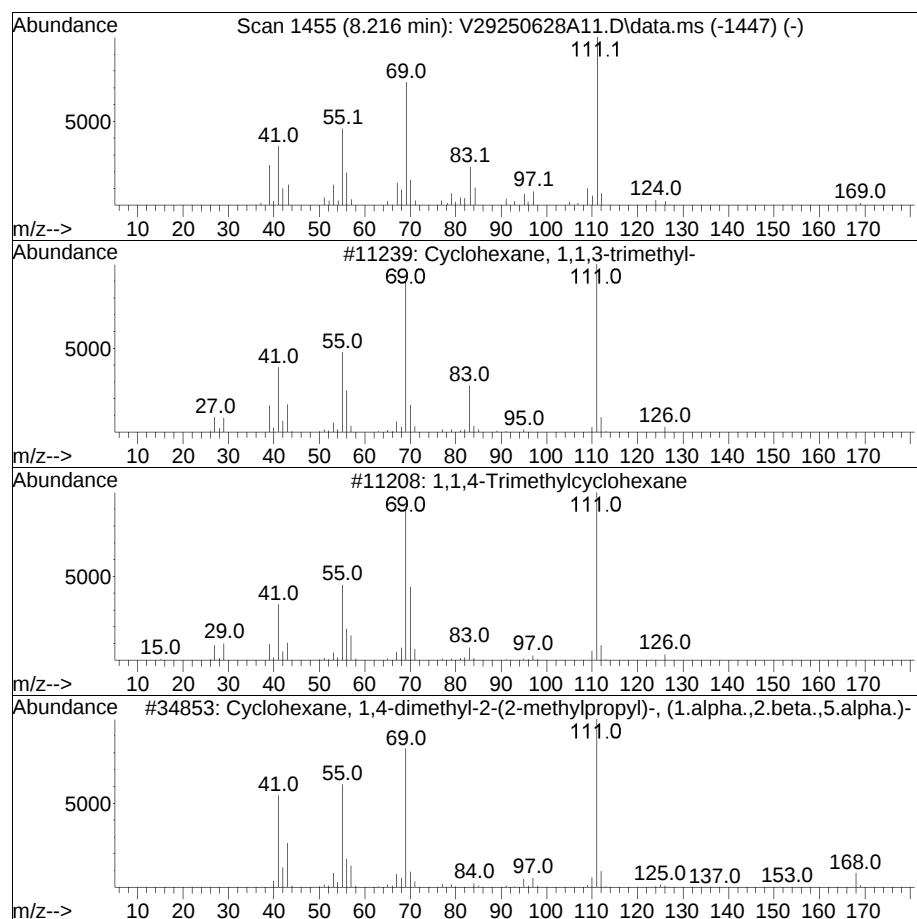
Quant Method : K:\VOA129\2025\250628A\V129_250626A_8260.m
Quant Title : VOLATILES BY GC/MS

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

Peak Number 2 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.216	2.18 ug/L	109832		8.792

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2		1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	72
3		Cyclohexane, 1,4-dimethyl-2-(2-m...	168	C12H24	054411-17-5	64
4		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
5		3-Isopropyl-5-methyl-hex-4-en-2-one	154	C10H18O	077142-85-9	53



Tentatively Identified Compound (LSC) summary

Data Path : K:\VOA129\2025\250628A\
 Data File : V29250628A11.D
 Acq On : 28 Jun 2025 03:34 pm
 Operator : VOA129:JIC
 Sample : L2539397-02,31,6.21,5,,Z
 Misc : WG2085229,ICAL22427
 ALS Vial : 11 Sample Multiplier: 1

Quant Method : K:\VOA129\2025\250628A\V129_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard-- # RT Resp Conc
Cyclohexane, 1,...	8.216	2.2	ug/L	109832	2 8.792 1005490 20.0

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250628\
 Data File : J250628A18.D
 Acq On : 28 Jun 2025 10:22 am
 Operator : JACK:MCM
 Sample : 12539397-01,31,10,10,,t,r3e
 Misc : WG2084888,ICAL22416
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 29 09:39:51 2025
 Quant Method : K:\Jack\2025\250628\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\250628\J250628A02.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	121134	10.000	ug/L	0.00
Standard Area 1 = 156950			Recovery =	77.18%		
63) Chlorobenzene-d5	9.434	117	92781	10.000	ug/L	0.00
Standard Area 1 = 116463			Recovery =	79.67%		
84) 1,4-Dichlorobenzene-d4	12.161	152	51891	10.000	ug/L	0.00
Standard Area 1 = 67461			Recovery =	76.92%		
System Monitoring Compounds						
39) Dibromofluoromethane	5.076	113	33178	10.519	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	105.19%		
47) 1,2-Dichloroethane-d4	5.606	65	43084	11.231	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	112.31%		
64) Toluene-d8	7.588	98	125992	10.223	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.23%		
88) 4-Bromofluorobenzene	10.945	95	47211	10.228	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.28%		
Target Compounds						
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.587	50	65	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	226	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.384	84	953	0.295	ug/L #	60
17) Acetone	3.442	43	1332	1.179	ug/L #	50
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.558	43	56	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	0.000		0	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250628\
 Data File : J250628A18.D
 Acq On : 28 Jun 2025 10:22 am
 Operator : JACK:MCM
 Sample : 12539397-01,31,10,10,,t,r3e
 Misc : WG2084888,ICAL22416
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 29 09:39:51 2025
 Quant Method : K:\Jack\2025\250628\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\250628\J250628A02.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	5.216	43	55		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	7.649	92	91		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	8.315	83	45		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	9.502	91	46		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.	

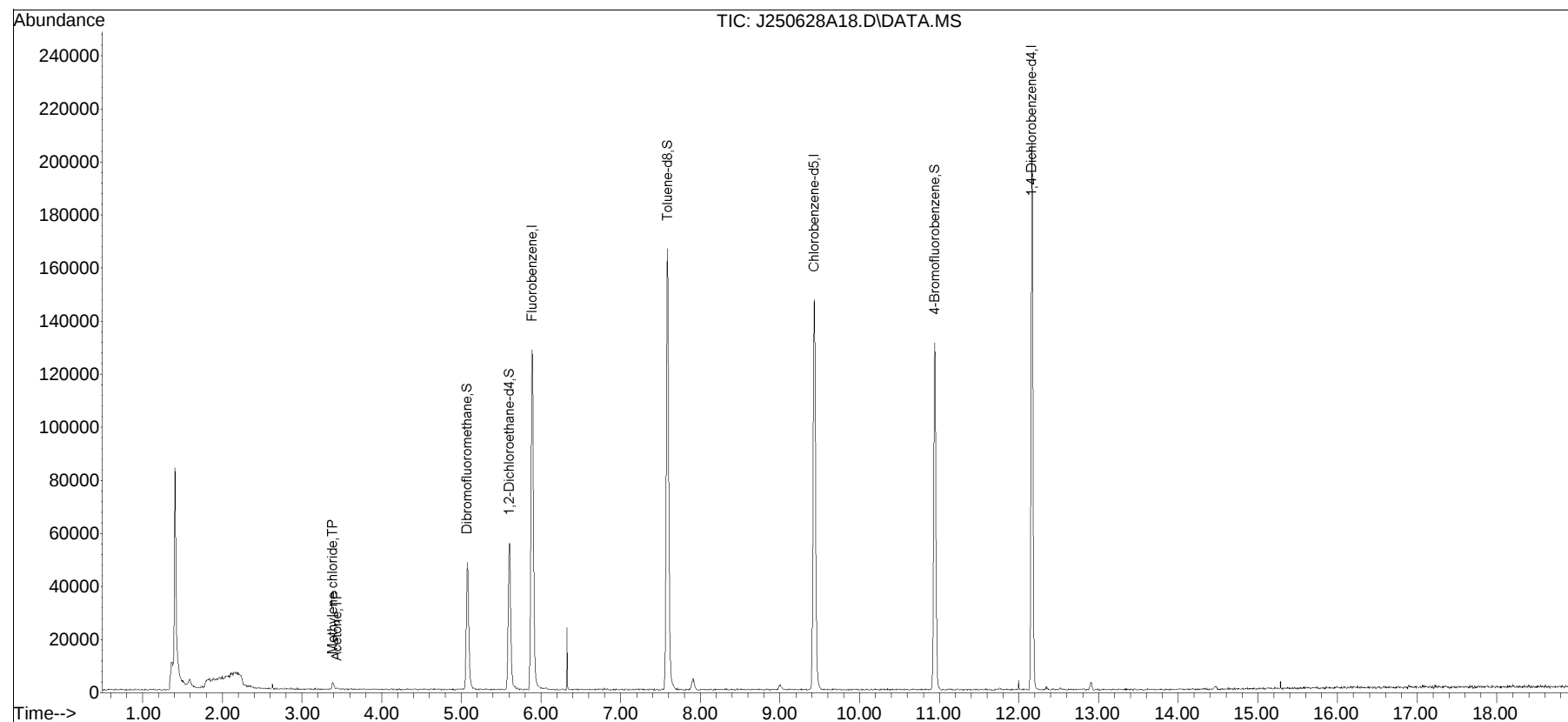
(#) = qualifier out of range (m) = manual integration (+) = signals summed

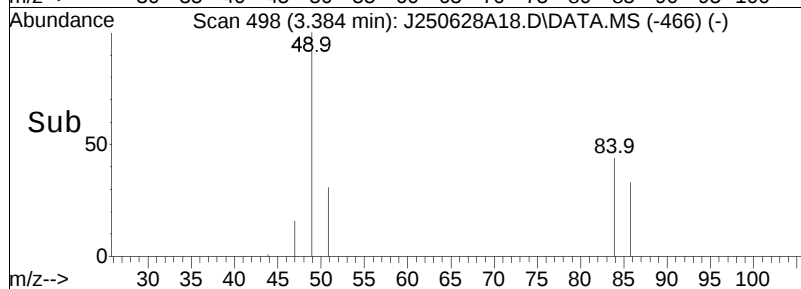
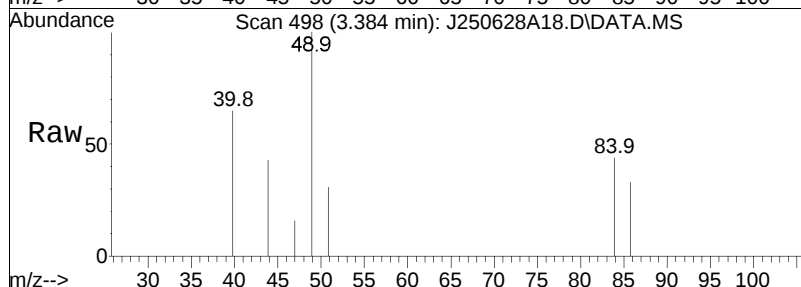
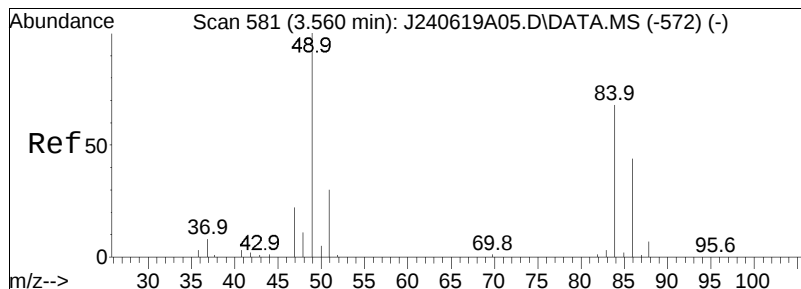
Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250628\
 Data File : J250628A18.D
 Acq On : 28 Jun 2025 10:22 am
 Operator : JACK:MCM
 Sample : 12539397-01,31,10,10,,t,r3e
 Misc : WG2084888,ICAL22416
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 29 09:39:51 2025
 Quant Method : K:\Jack\2025\250628\VJ_250624_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 24 11:26:16 2025
 Response via : Initial Calibration

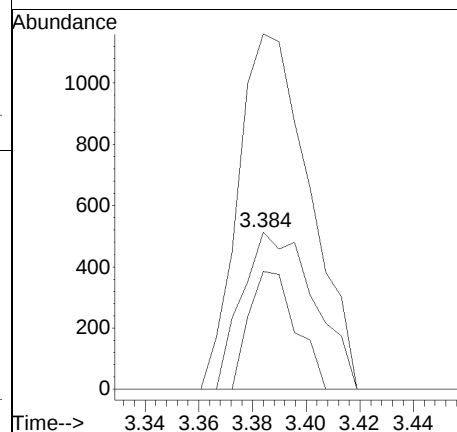
Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

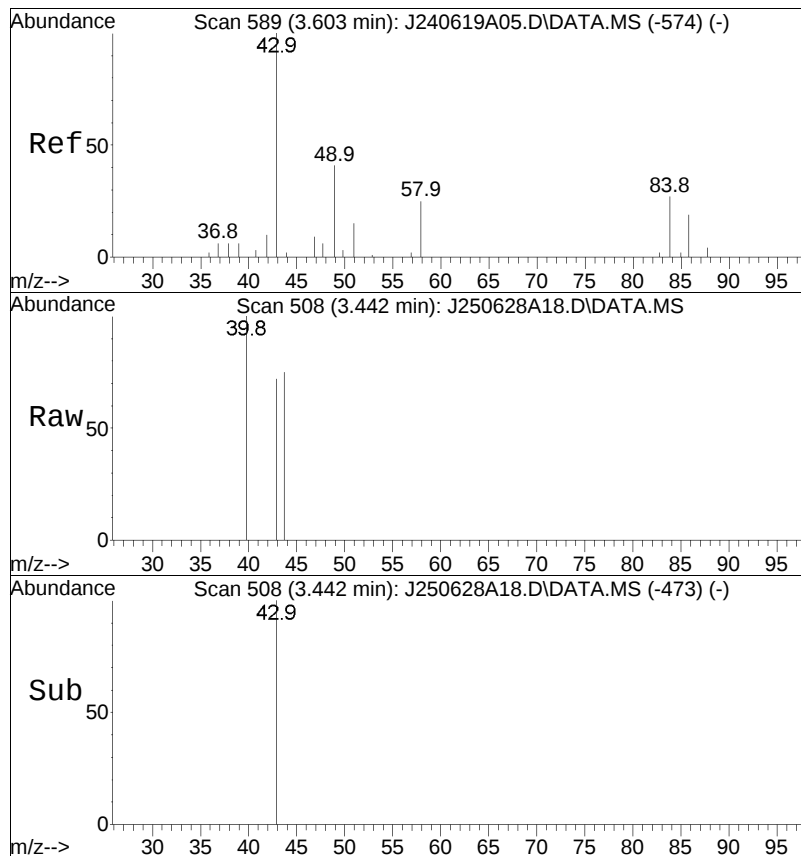




#15
Methylene chloride
Concen: 0.30 ug/L
RT: 3.384 min Scan# 498
Delta R.T. -0.012 min
Lab File: J250628A18.D
Acq: 28 Jun 2025 10:22 am

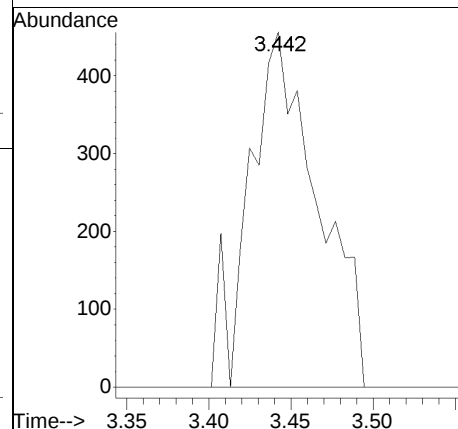
Tgt Ion: 84 Resp: 953
Ion Ratio Lower Upper
84 100
86 49.2 41.7 86.5
49 224.3 103.9 215.9#





#17
 Acetone
 Concen: 1.18 ug/L
 RT: 3.442 min Scan# 508
 Delta R.T. 0.006 min
 Lab File: J250628A18.D
 Acq: 28 Jun 2025 10:22 am

Tgt Ion: 43 Resp: 1332
 Ion Ratio Lower Upper
 43 100
 58 0.0 20.1 30.1#



Manual Integration Report

Data Path : K:\Jack\2025\250628\ QMethod : VJ_250624_8260.m
Data File : J250628A18.D Operator : JACK:MCM
Date Inj'd : 6/28/2025 10:22 am Instrument : Jack
Sample : 12539397-01,31,10,10,,t,r3 Quant Date : 6/29/2025 5:31 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250628\
 Data File : J250628A19.D
 Acq On : 28 Jun 2025 10:48 am
 Operator : JACK:MCM
 Sample : 12539397-02,31,10,10,,t,r3e
 Misc : WG2084888,ICAL22416
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 29 09:40:16 2025
 Quant Method : K:\Jack\2025\250628\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\250628\J250628A02.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	123892	10.000	ug/L	0.00
Standard Area 1 = 156950			Recovery	=	78.94%	
63) Chlorobenzene-d5	9.429	117	91920	10.000	ug/L	0.00
Standard Area 1 = 116463			Recovery	=	78.93%	
84) 1,4-Dichlorobenzene-d4	12.165	152	52117	10.000	ug/L	0.00
Standard Area 1 = 67461			Recovery	=	77.26%	
System Monitoring Compounds						
39) Dibromofluoromethane	5.076	113	33190	10.288	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.88%	
47) 1,2-Dichloroethane-d4	5.606	65	41517	10.582	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	105.82%	
64) Toluene-d8	7.588	98	126273	10.342	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.42%	
88) 4-Bromofluorobenzene	10.945	95	47895	10.331	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.31%	
Target Compounds						
2) Dichlorodifluoromethane	1.383	85	52	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	2.872	76	528	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.396	84	1044	0.316	ug/L #	53
17) Acetone	3.430	43	2169	1.877	ug/L #	75
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.588	43	112	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	0.000		0	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250628\
 Data File : J250628A19.D
 Acq On : 28 Jun 2025 10:48 am
 Operator : JACK:MCM
 Sample : 12539397-02,31,10,10,,t,r3e
 Misc : WG2084888,ICAL22416
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 29 09:40:16 2025
 Quant Method : K:\Jack\2025\250628\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\250628\J250628A02.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	5.216	43	57		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	5.978	95	53		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	7.644	92	123		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	9.502	91	661		N.D.	
81)	p/m Xylene	9.680	106	1027	0.172	ug/L	97
82)	o Xylene	10.244	106	90		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	12.183	146	54		N.D.	
106)	1,4-Dichlorobenzene	12.183	146	54		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.	

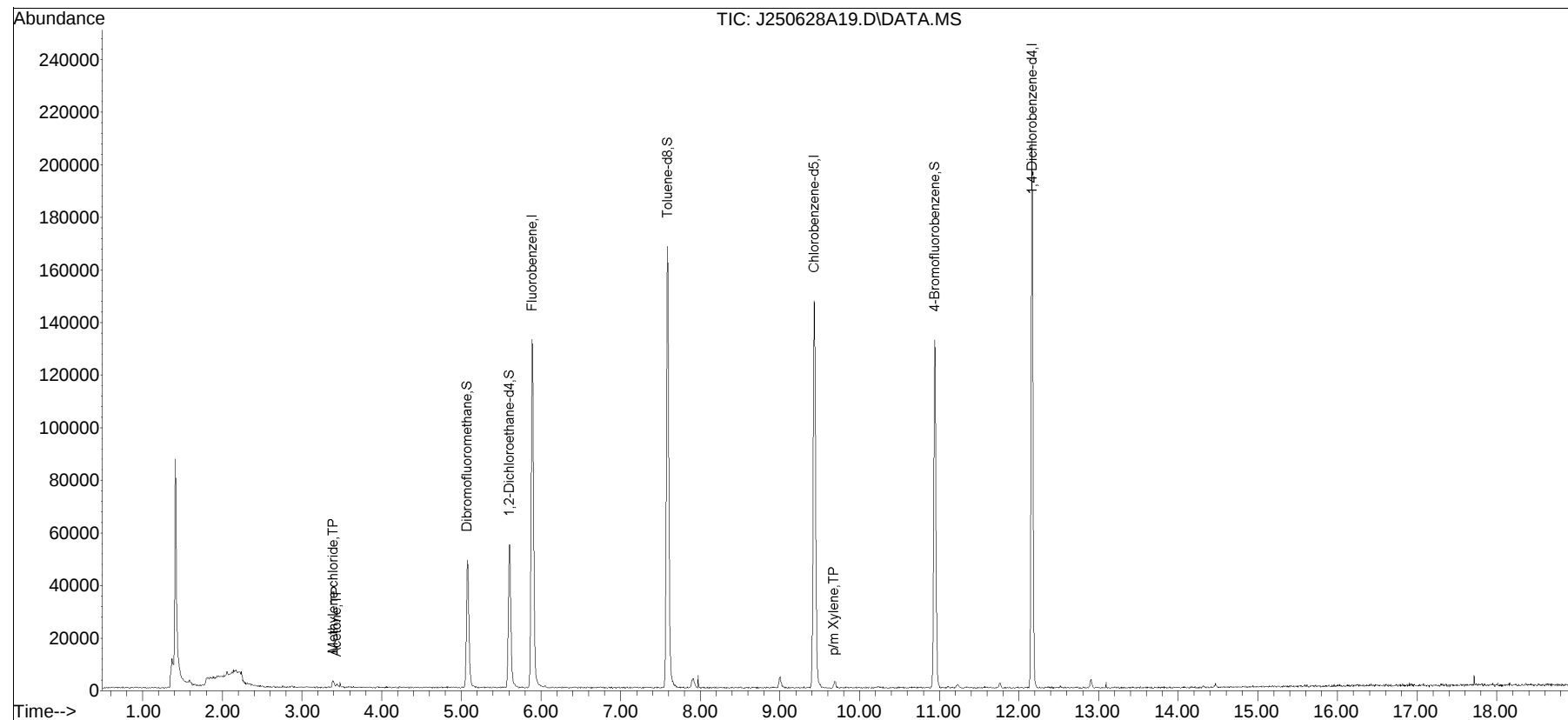
(#) = qualifier out of range (m) = manual integration (+) = signals summed

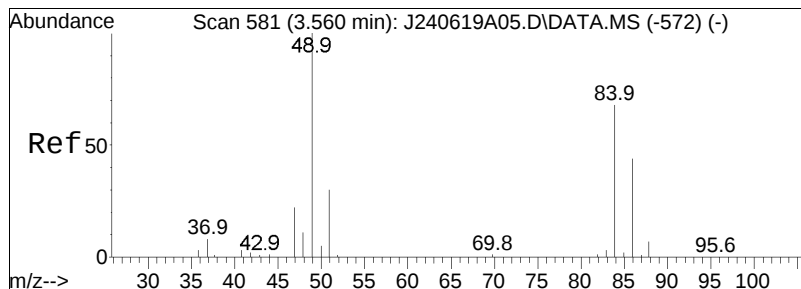
Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250628\
Data File : J250628A19.D
Acq On : 28 Jun 2025 10:48 am
Operator : JACK:MCM
Sample : 12539397-02,31,10,10,,t,r3e
Misc : WG2084888,ICAL22416
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 29 09:40:16 2025
Quant Method : K:\Jack\2025\250628\VJ_250624_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jun 24 11:26:16 2025
Response via : Initial Calibration

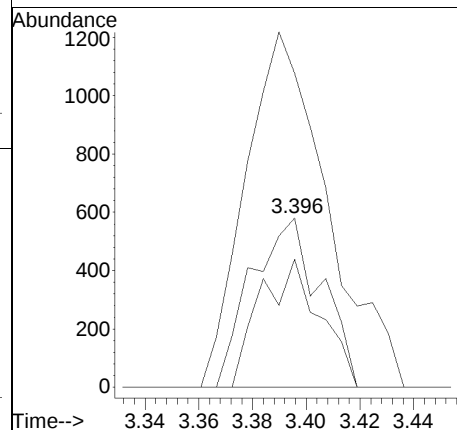
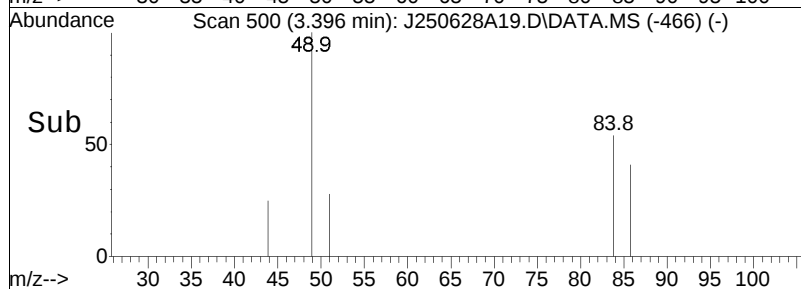
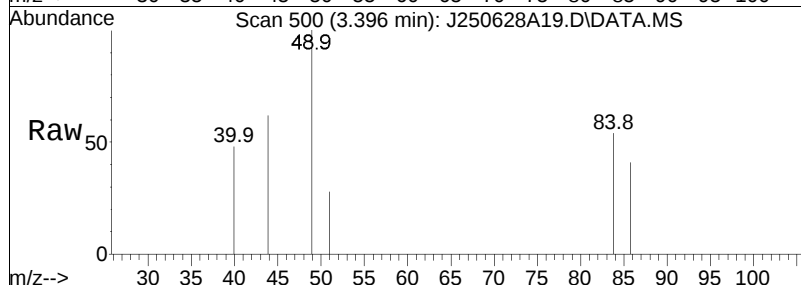
Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

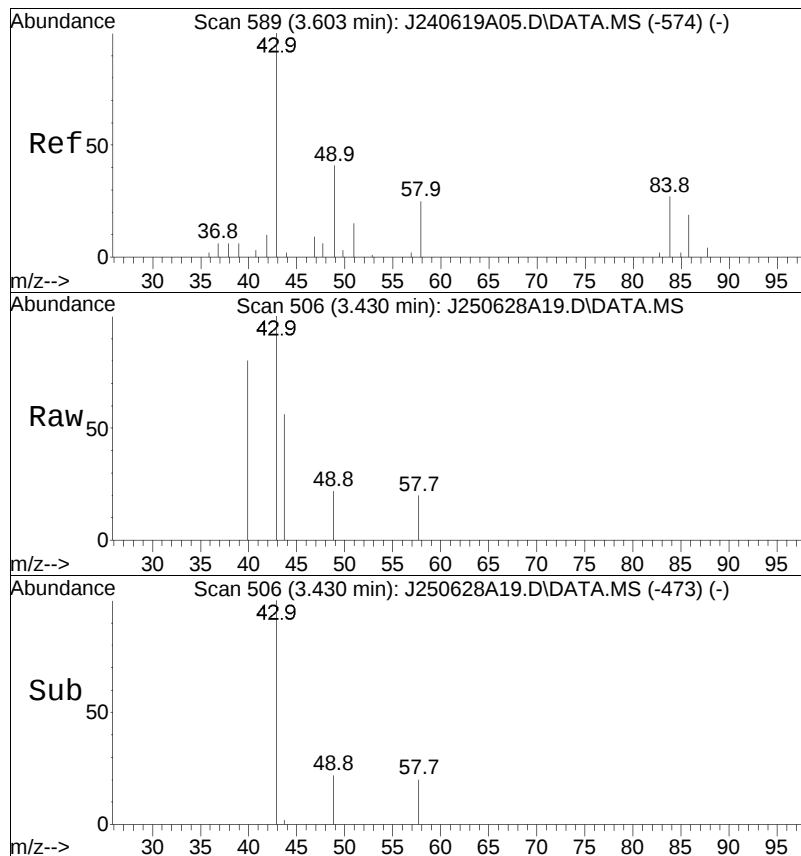




#15
Methylene chloride
Concen: 0.32 ug/L
RT: 3.396 min Scan# 500
Delta R.T. -0.000 min
Lab File: J250628A19.D
Acq: 28 Jun 2025 10:48 am

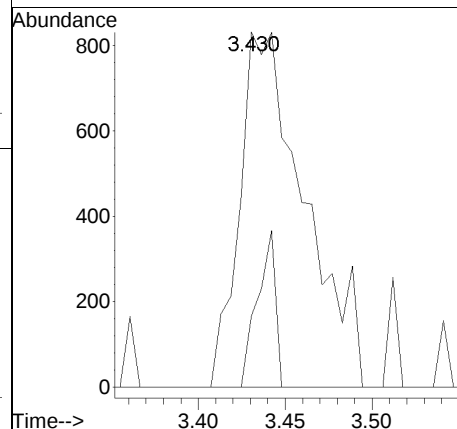
Tgt Ion: 84 Resp: 1044
Ion Ratio Lower Upper
84 100
86 65.0 41.7 86.5
49 247.0 103.9 215.9#

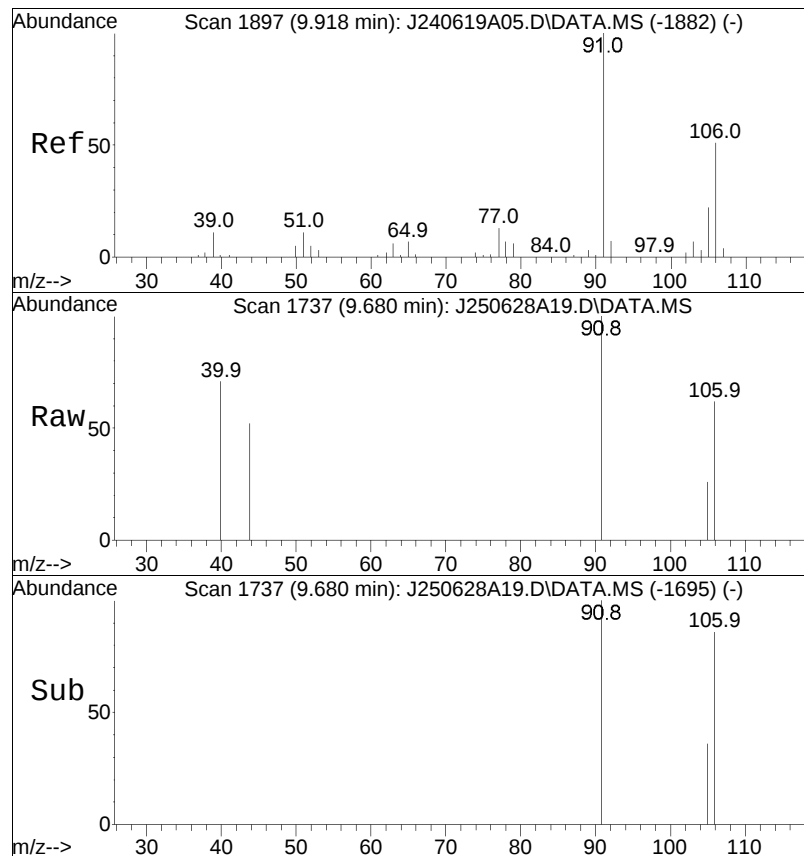




#17
 Acetone
 Concen: 1.88 ug/L
 RT: 3.430 min Scan# 506
 Delta R.T. -0.006 min
 Lab File: J250628A19.D
 Acq: 28 Jun 2025 10:48 am

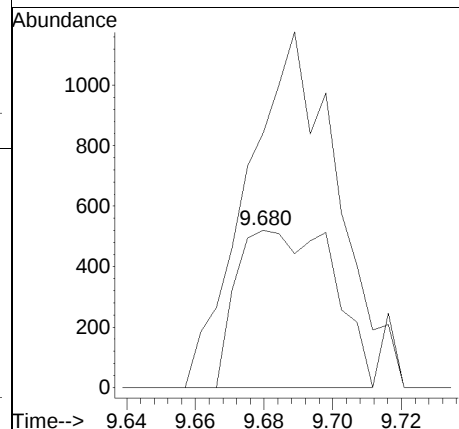
Tgt Ion: 43 Resp: 2169
 Ion Ratio Lower Upper
 43 100
 58 12.3 20.1 30.1#





#81
 p/m Xylene
 Concen: 0.17 ug/L
 RT: 9.680 min Scan# 1737
 Delta R.T. -0.009 min
 Lab File: J250628A19.D
 Acq: 28 Jun 2025 10:48 am

Tgt	Ion	Ratio	Lower	Upper
106	106	100		
91	208.9	171.4	257.2	



Manual Integration Report

Data Path : K:\Jack\2025\250628\ QMethod : VJ_250624_8260.m
Data File : J250628A19.D Operator : JACK:MCM
Date Inj'd : 6/28/2025 10:48 am Instrument : Jack
Sample : 12539397-02,31,10,10,,t,r3 Quant Date : 6/29/2025 5:31 am

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

Method Blank

Raw Data

LSC Area Percent Report

Data Path : K:\VOA129\2025\250628A\
 Data File : V29250628A05.D
 Acq On : 28 Jun 2025 01:30 pm
 Operator : VOA129:MNF
 Sample : WG2085229-5,31,5,5
 Misc : WG2085229,ICAL22427
 ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

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:\VOA129\2025\250628A\V129_250626A_8260.m

Title : VOLATILES BY GC/MS

Signal : TIC: V29250628A05.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.975	62	74	95	rBV2	1280509	1488853	100.00%	23.802%
2	1.657	177	204	206	rBV6	39246	177066	11.89%	2.831%
3	5.028	838	847	866	rVB	129957	319752	21.48%	5.112%
4	5.626	949	961	984	rBV	131281	317222	21.31%	5.071%
5	5.956	1013	1024	1056	rBV	316307	711267	47.77%	11.371%
6	7.592	1328	1336	1352	rBV	505197	801999	53.87%	12.821%
7	8.792	1558	1565	1576	rBV	722100	838004	56.29%	13.397%
8	9.584	1707	1716	1723	rBV	639857	651577	43.76%	10.417%
9	10.245	1836	1842	1852	rVB	973259	949393	63.77%	15.178%

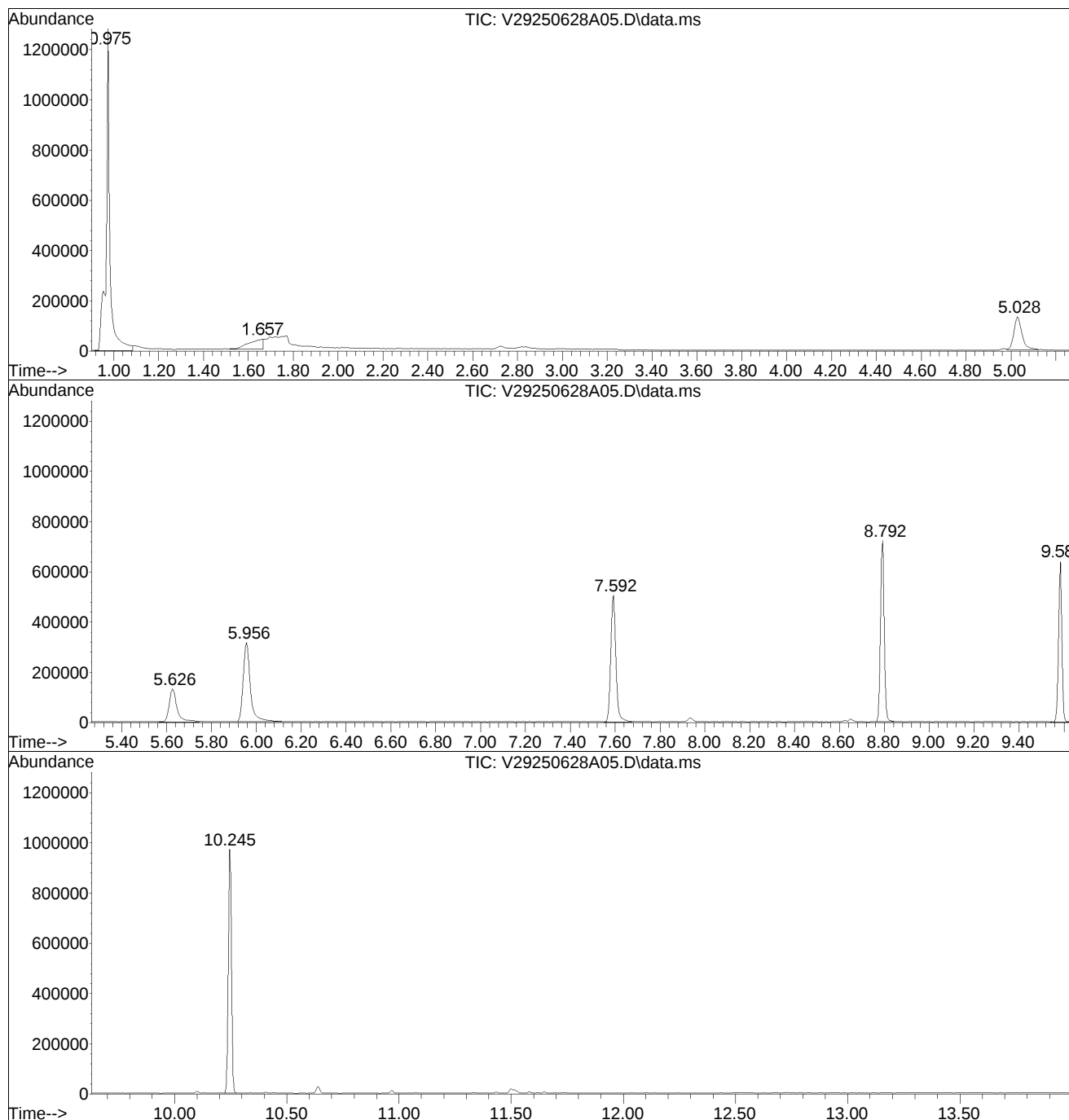
Sum of corrected areas: 6255133

LSC Report - Integrated Chromatogram

Data Path : K:\VOA129\2025\250628A\
Data File : V29250628A05.D
Acq On : 28 Jun 2025 01:30 pm
Operator : VOA129:MNF
Sample : WG2085229-5,31,5,5
Misc : WG2085229,ICAL22427
ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\VOA129\2025\250628A\V129_250626A_8260.m
Quant Title : VOLATILES BY GC/MS

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



Library Search Compound Report

Data Path : K:\VOA129\2025\250628A\
Data File : V29250628A05.D
Acq On : 28 Jun 2025 01:30 pm
Operator : VOA129:MNF
Sample : WG2085229-5,31,5,5
Misc : WG2085229,ICAL22427
ALS Vial : 5 Sample Multiplier: 1

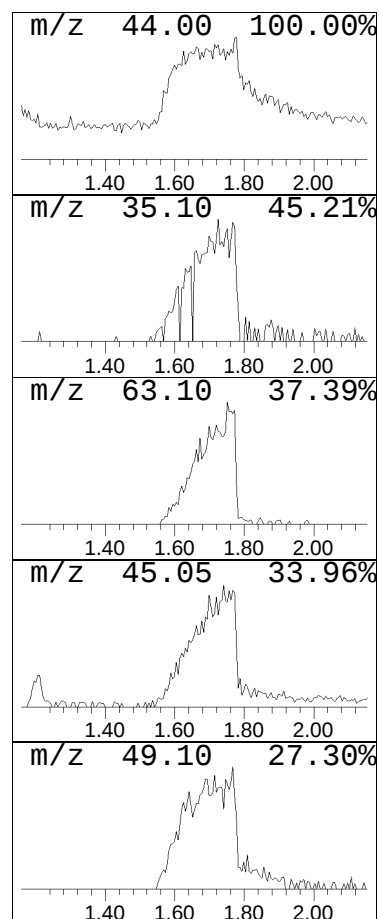
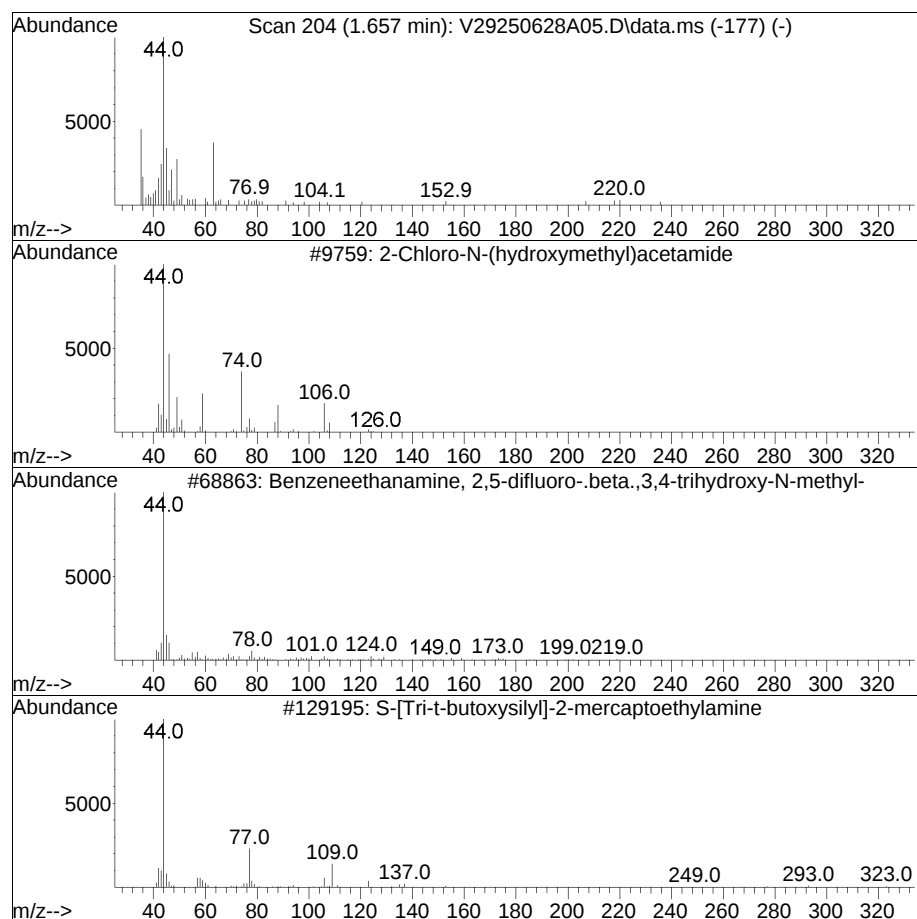
Quant Method : K:\VOA129\2025\250628A\V129_250626A_8260.m
Quant Title : VOLATILES BY GC/MS

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

Peak Number 2 Unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.657	4.98 ug/L	177066	Fluorobenzene	5.956

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Chloro-N-(hydroxymethyl)acetamide	123	C3H6ClNO2	002832-19-1	42
2		Benzeneethanamine, 2,5-difluoro-...	219	C9H11F2NO3	152434-78-1	16
3		S-[Tri-t-butoxysilyl]-2-mercapto...	323	C14H33NO3SSi	1000252-63-8	12
4		Azetidin-2-one 3,3-dimethyl-4-(1...	142	C7H14N2O	1000161-94-5	10
5		4-Fluorohistamine	129	C5H8FN3	049872-60-8	10



Tentatively Identified Compound (LSC) summary

Data Path : K:\VOA129\2025\250628A\
 Data File : V29250628A05.D
 Acq On : 28 Jun 2025 01:30 pm
 Operator : VOA129:MNF
 Sample : WG2085229-5,31,5,5
 Misc : WG2085229,ICAL22427
 ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\VOA129\2025\250628A\V129_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal #	Standard RT	Standard Resp	Standard Conc
Unknown	1.657	5.0	ug/L	177066	1	5.956	711267	20.0

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\VOA129\2025\250628A\
 Data File : V29250628A05.D
 Acq On : 28 Jun 2025 01:30 pm
 Operator : VOA129:MNF
 Sample : WG2085229-5,31,5,5
 Misc : WG2085229,ICAL22427
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 15:22:04 2025
 Quant Method : K:\VOA129\2025\250628A\V129_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 27 09:03:12 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA129\2025\250628A\V29250628A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.956	96	327244	20.000	ug/L	0.00
Standard Area 1 = 411464			Recovery	=	79.53%	
59) Chlorobenzene-d5	8.792	117	277289	20.000	ug/L	0.00
Standard Area 1 = 323090			Recovery	=	85.82%	
79) 1,4-Dichlorobenzene-d4	10.245	152	164761	20.000	ug/L	0.00
Standard Area 1 = 192543			Recovery	=	85.57%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.028	113	98492	23.314	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	116.57%	
43) 1,2-Dichloroethane-d4	5.626	65	109568	24.642	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	123.21%	
60) Toluene-d8	7.592	98	298639	18.086	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	90.43%	
83) 4-Bromofluorobenzene	9.584	95	110178	19.435	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	97.17%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	0.000		0	N.D.	d	
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.526	94	908	Below Cal		95
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.	d	
10) 1,1-Dichloroethene	2.139	96	61	N.D.		
11) Carbon disulfide	2.155	76	361	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	2.721	84	5574	Below Cal		77
17) Acetone	2.815	43	8069	0.546 ug/L	#	87
18) trans-1,2-Dichloroethene	2.894	96	50	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	3.067	73	80	N.D.		
21) tert-Butyl alcohol	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	4.813	83	452	N.D.		

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\VOA129\2025\250628A\
 Data File : V29250628A05.D
 Acq On : 28 Jun 2025 01:30 pm
 Operator : VOA129:MNF
 Sample : WG2085229-5,31,5,5
 Misc : WG2085229,ICAL22427
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 15:22:04 2025
 Quant Method : K:\VOA129\2025\250628A\V129_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 27 09:03:12 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA129\2025\250628A\V29250628A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
34)	Carbon tetrachloride	0.000		0		N.D.		
37)	1,1,1-Trichloroethane	0.000		0		N.D.		
39)	2-Butanone	0.000		0		N.D.	d	
41)	Benzene	5.468	78	320		N.D.		
44)	1,2-Dichloroethane	5.704	62	203		N.D.		
47)	Methyl cyclohexane	0.000		0		N.D.		
48)	Trichloroethene	6.145	95	116		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	7.639	92	439		N.D.		
62)	4-Methyl-2-pentanone	0.000		0		N.D.		
63)	Tetrachloroethene	0.000		0		N.D.		
65)	trans-1,3-Dichloropropene	7.933	75	50		N.D.		
68)	1,1,2-Trichloroethane	0.000		0		N.D.		
69)	Chlorodibromomethane	0.000		0		N.D.		
71)	1,2-Dibromoethane	0.000		0		N.D.		
72)	2-Hexanone	0.000		0		N.D.	d	
73)	Chlorobenzene	8.803	112	563		N.D.		
74)	Ethylbenzene	8.834	91	244		N.D.		
76)	p/m Xylene	8.934	106	454		N.D.		
77)	o Xylene	9.222	106	64		N.D.		
78)	Styrene	9.249	104	644		N.D.		
80)	Bromoform	9.259	173	104		N.D.		
82)	Isopropylbenzene	9.563	105	311		N.D.		
87)	1,1,2,2-Tetrachloroethane	9.584	83	147		N.D.		
100)	1,3-Dichlorobenzene	10.203	146	644		N.D.		
101)	1,4-Dichlorobenzene	10.255	146	1015	0.102	ug/L	#	1
104)	1,2-Dichlorobenzene	10.496	146	424		N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.		
109)	1,2,4-Trichlorobenzene	11.330	180	881	0.131	ug/L	#	91
111)	1,2,3-Trichlorobenzene	11.613	180	636	0.097	ug/L	#	94

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

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\VOA129\2025\250628A\
 Data File : V29250628A05.D
 Acq On : 28 Jun 2025 01:30 pm
 Operator : VOA129:MNF
 Sample : WG2085229-5,31,5,5
 Misc : WG2085229,ICAL22427
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 15:22:04 2025
 Quant Method : K:\VOA129\2025\250628A\V129_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 27 09:03:12 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA129\2025\250628A\V29250628A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

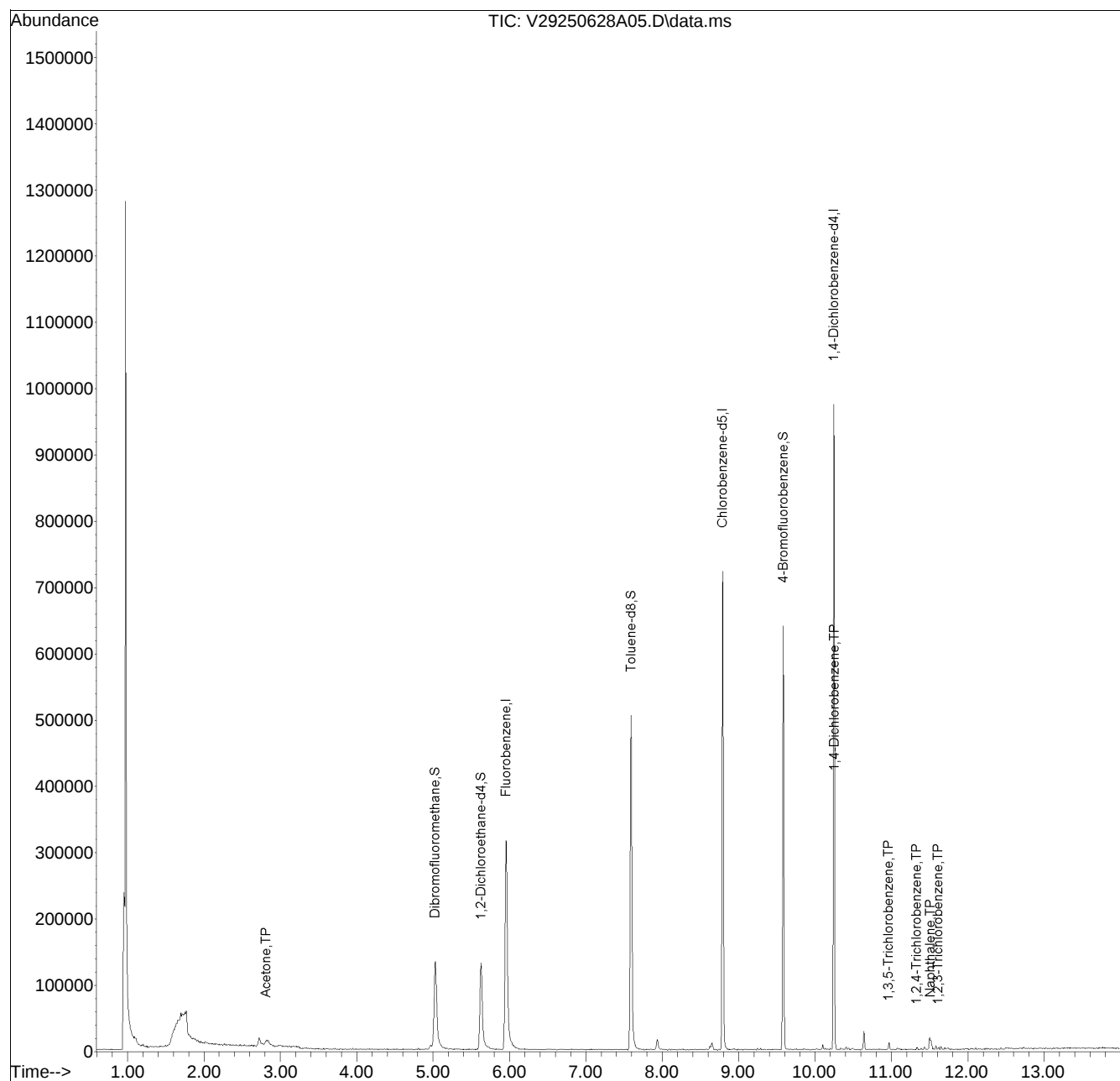
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

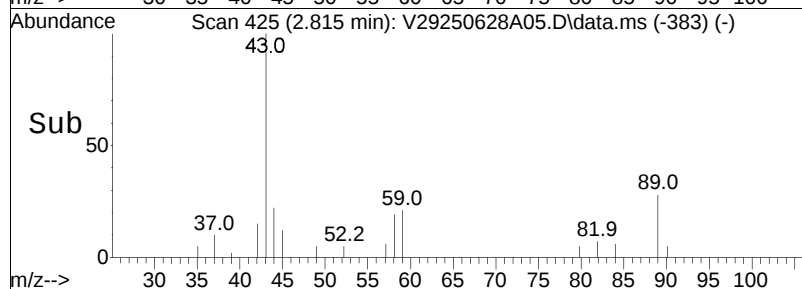
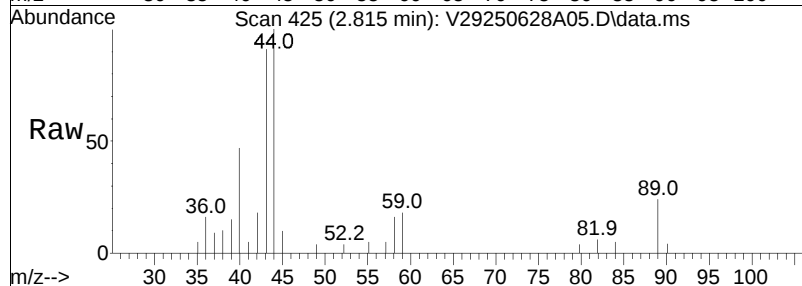
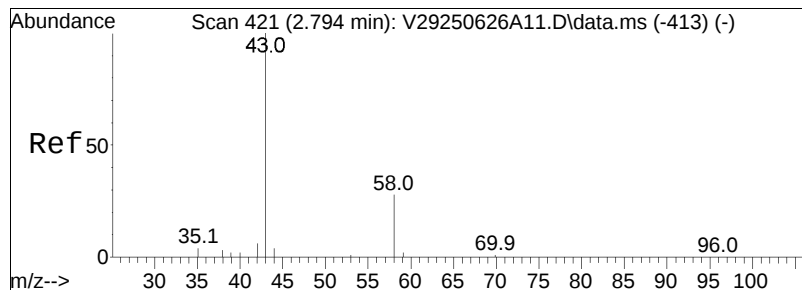
Quantitation Report (QT/LSC Reviewed)

Data Path : K:\VOA129\2025\250628A\
 Data File : V29250628A05.D
 Acq On : 28 Jun 2025 01:30 pm
 Operator : VOA129:MNF
 Sample : WG2085229-5,31,5,5
 Misc : WG2085229,ICAL22427
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 15:22:04 2025
 Quant Method : K:\VOA129\2025\250628A\V129_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 27 09:03:12 2025
 Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox28A01.D•





#17

Acetone

Concen: 0.55 ug/L

RT: 2.815 min Scan# 425

Delta R.T. 0.021 min

Lab File: V29250628A05.D

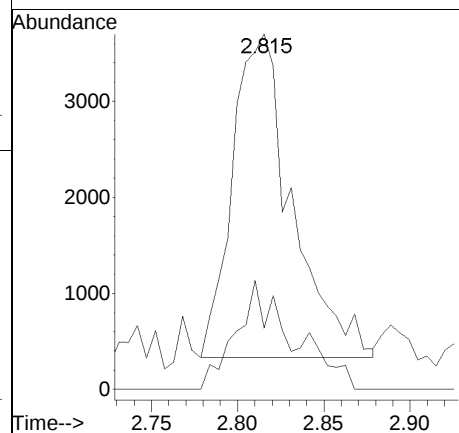
Acq: 28 Jun 2025 01:30 pm

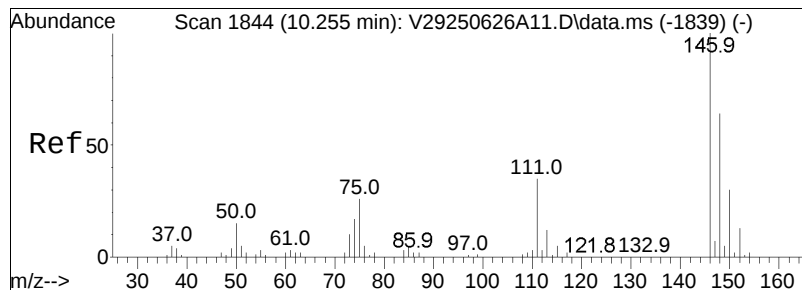
Tgt Ion: 43 Resp: 8069

Ion Ratio Lower Upper

43 100

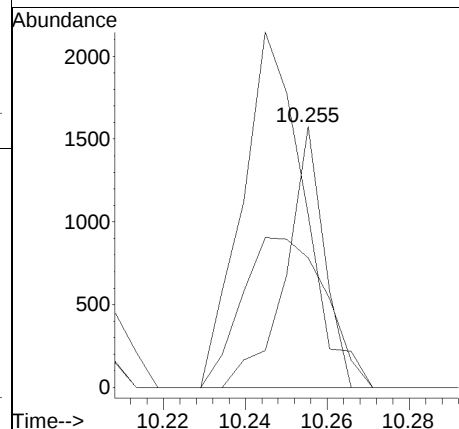
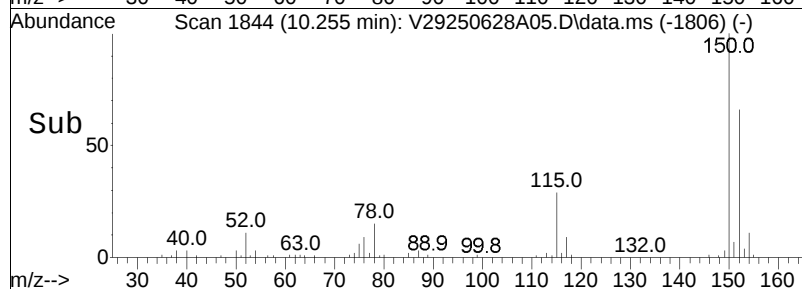
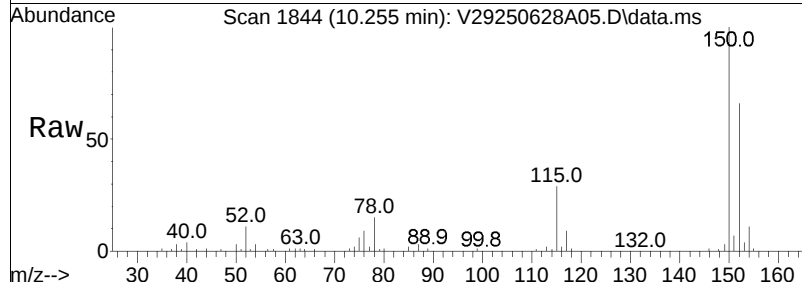
58 23.4 24.2 36.4#

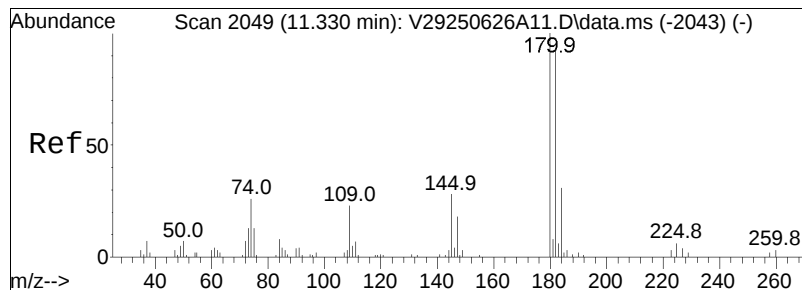




#101
 1,4-Dichlorobenzene
 Concen: 0.10 ug/L
 RT: 10.255 min Scan# 1844
 Delta R.T. -0.000 min
 Lab File: V29250628A05.D
 Acq: 28 Jun 2025 01:30 pm

Tgt Ion	Ratio	Lower	Upper
146	100		
111	220.9	32.3	48.5#
148	125.9	49.9	74.9#





#109

1,2,4-Trichlorobenzene

Concen: 0.13 ug/L

RT: 11.330 min Scan# 2049

Delta R.T. -0.000 min

Lab File: V29250628A05.D

Acq: 28 Jun 2025 01:30 pm

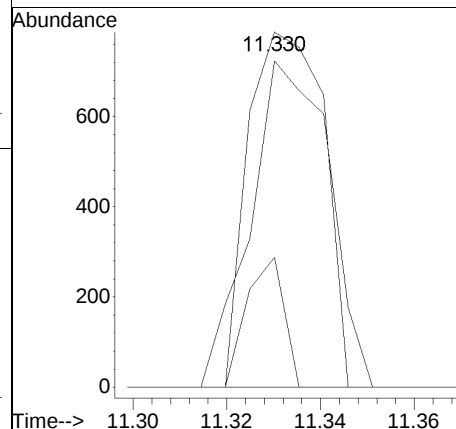
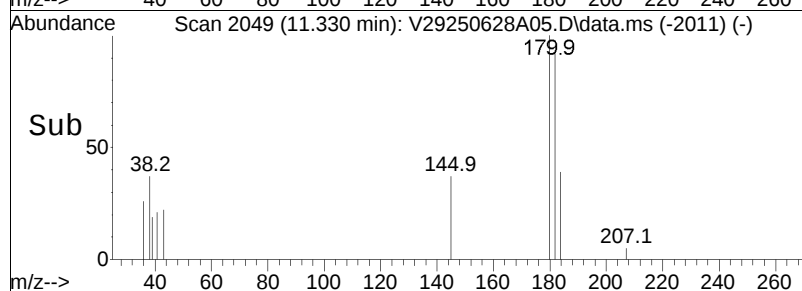
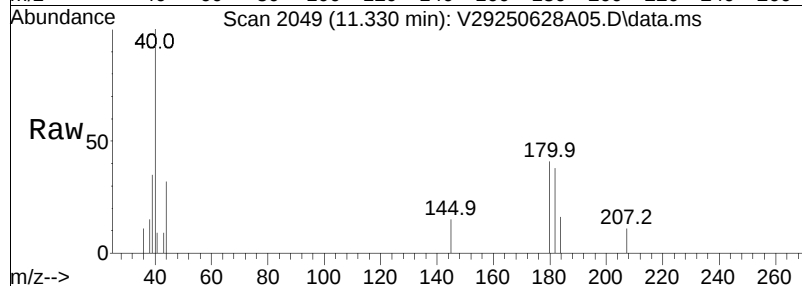
Tgt Ion:180 Resp: 881

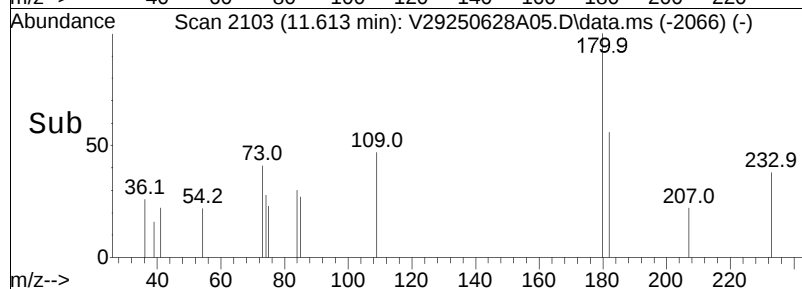
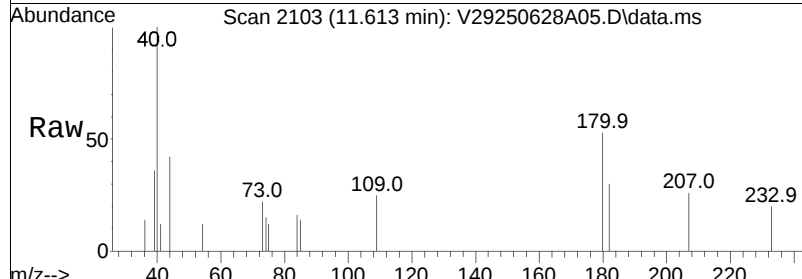
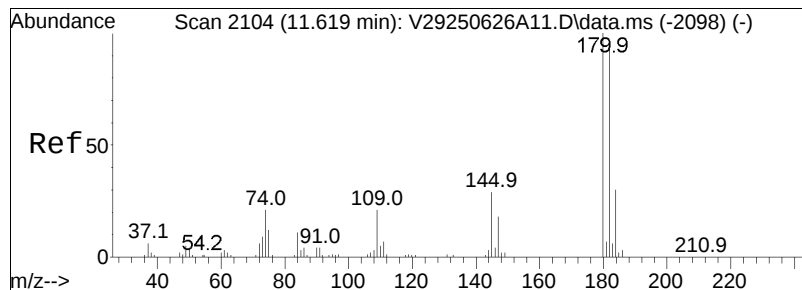
Ion Ratio Lower Upper

180 100

182 95.6 77.3 115.9

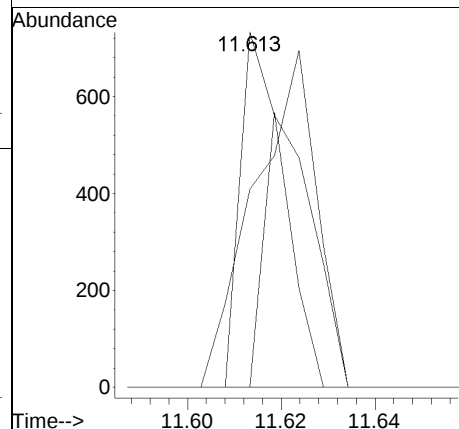
145 18.0 28.1 42.1#





#111
 1,2,3-Trichlorobenzene
 Concen: 0.10 ug/L
 RT: 11.613 min Scan# 2103
 Delta R.T. -0.005 min
 Lab File: V29250628A05.D
 Acq: 28 Jun 2025 01:30 pm

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.3	77.8	116.6
145	38.2	25.2	37.8#



Manual Integration Report

Data Path	: K:\V0A129\2025\250628A\	QMethod	: V129_250626A_8260.m
Data File	: V29250628A05.D	Operator	: V0A129:MNF
Date Inj'd	: 6/28/2025 1:30 pm	Instrument	: V0A 129
Sample	: WG2085229-5,31,5,5	Quant Date	: 6/28/2025 3:21 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250628\
 Data File : J250628A17.D
 Acq On : 28 Jun 2025 9:55 am
 Operator : JACK:MCM
 Sample : WG2084888-5,31,10,10,,c
 Misc : WG2084888,ICAL22416
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 29 06:47:22 2025
 Quant Method : K:\Jack\2025\250628\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\250628\J250628A02.D
 Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

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

Internal Standards						
1) Fluorobenzene	5.890	96	124572	10.000	ug/L	0.00
Standard Area 1 = 156950			Recovery =	79.37%		
63) Chlorobenzene-d5	9.429	117	94851	10.000	ug/L	0.00
Standard Area 1 = 116463			Recovery =	81.44%		
84) 1,4-Dichlorobenzene-d4	12.165	152	52606	10.000	ug/L	0.00
Standard Area 1 = 67461			Recovery =	77.98%		
System Monitoring Compounds						
39) Dibromofluoromethane	5.076	113	33058	10.191	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.91%		
47) 1,2-Dichloroethane-d4	5.605	65	42711	10.827	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	108.27%		
64) Toluene-d8	7.588	98	127995	10.159	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.59%		
88) 4-Bromofluorobenzene	10.941	95	48016	10.261	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.61%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.593	50	346	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.122	94	274	0.148	ug/L #	29
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	0.000		0	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.395	84	1243	0.374	ug/L	71
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.483	43	126	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	0.000		0	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250628\
 Data File : J250628A17.D
 Acq On : 28 Jun 2025 9:55 am
 Operator : JACK:MCM
 Sample : WG2084888-5,31,10,10,,c
 Misc : WG2084888,ICAL22416
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 29 06:47:22 2025
 Quant Method : K:\Jack\2025\250628\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\250628\J250628A02.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	5.239	43	59		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	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.	

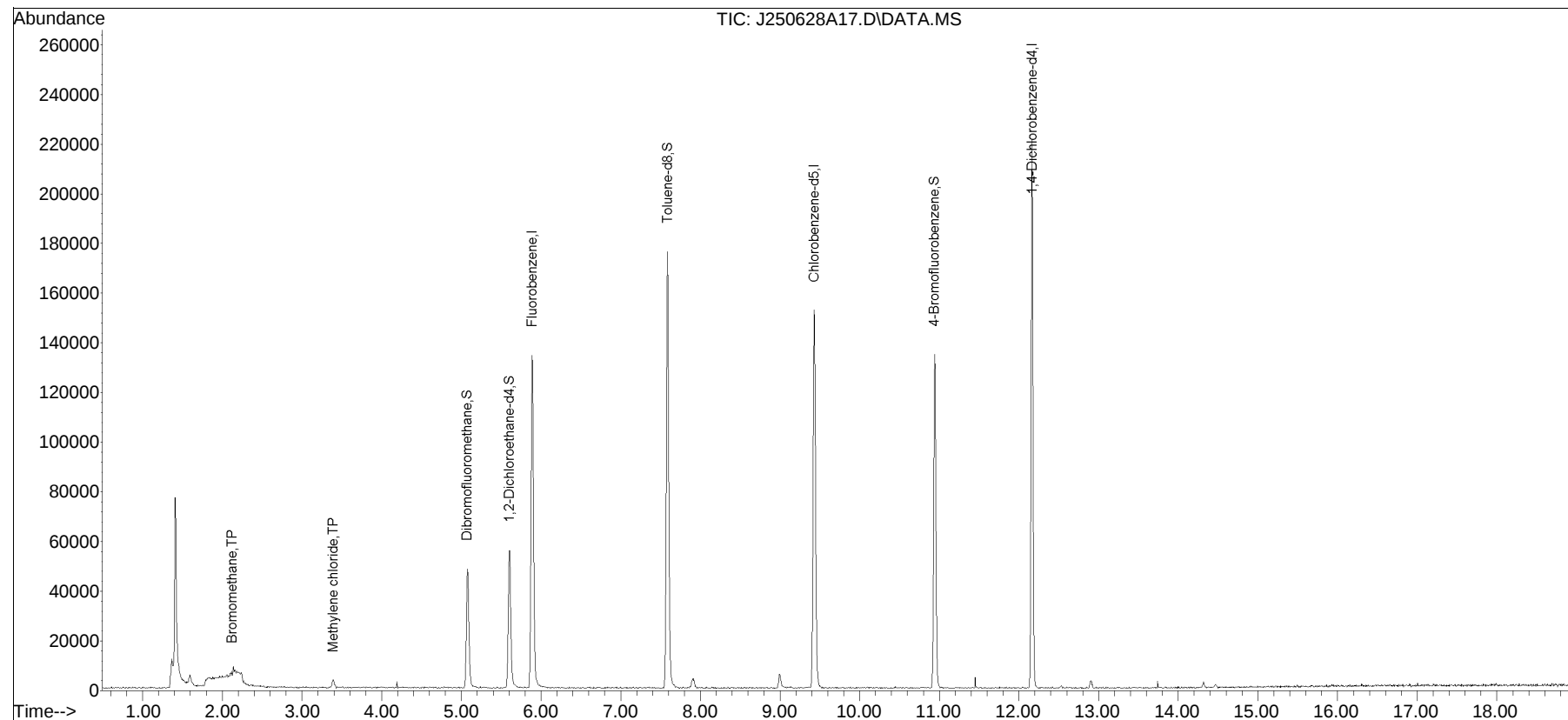
(#) = qualifier out of range (m) = manual integration (+) = signals summed

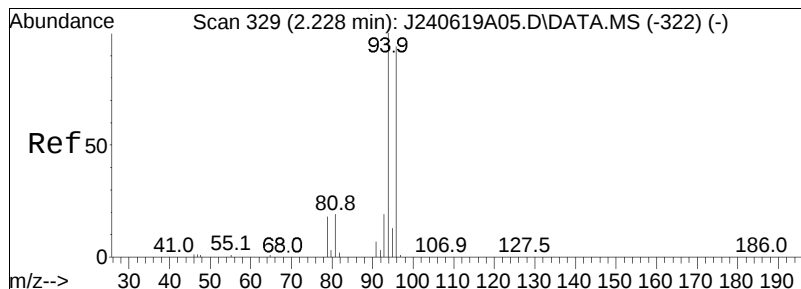
Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250628\
 Data File : J250628A17.D
 Acq On : 28 Jun 2025 9:55 am
 Operator : JACK:MCM
 Sample : WG2084888-5,31,10,10,,c
 Misc : WG2084888,ICAL22416
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 29 06:47:22 2025
 Quant Method : K:\Jack\2025\250628\VJ_250624_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 24 11:26:16 2025
 Response via : Initial Calibration

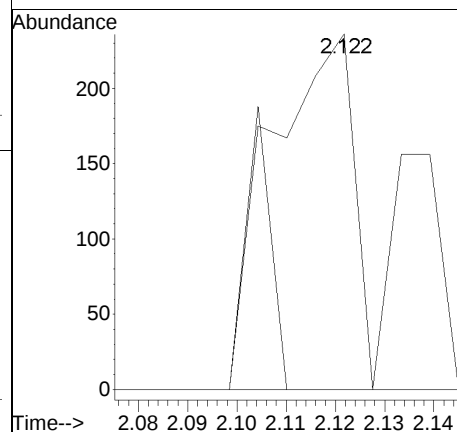
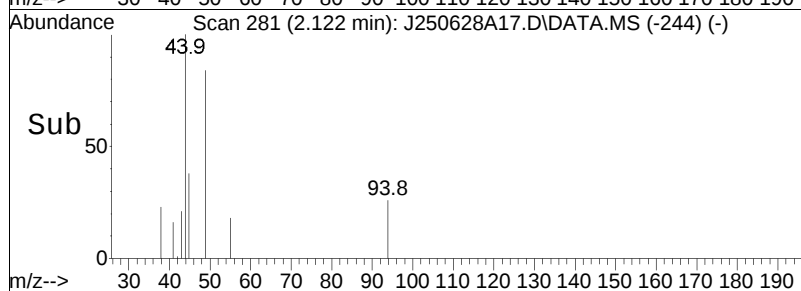
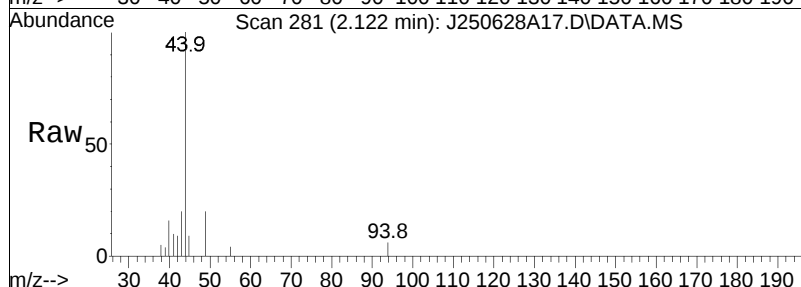
Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

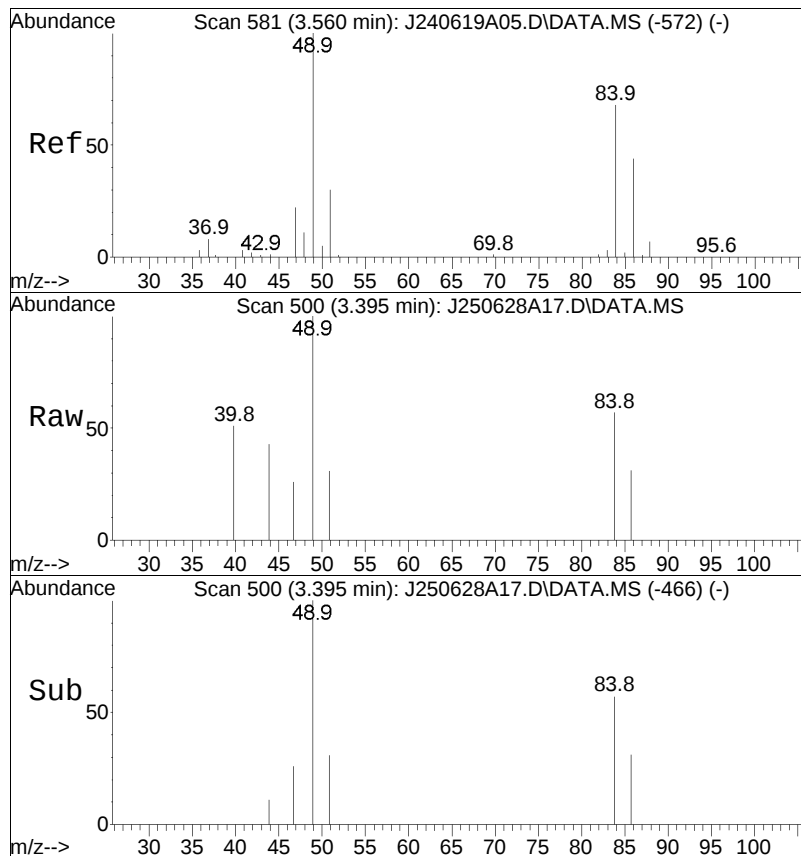




#5
 Bromomethane
 Concen: 0.15 ug/L
 RT: 2.122 min Scan# 281
 Delta R.T. 0.017 min
 Lab File: J250628A17.D
 Acq: 28 Jun 2025 9:55 am

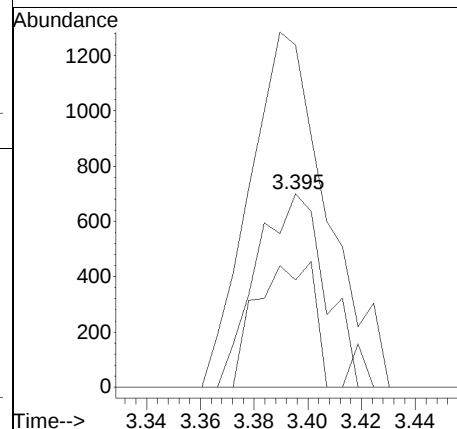
Tgt Ion: 94 Resp: 274
 Ion Ratio Lower Upper
 94 100
 96 24.1 73.7 110.5#





#15
 Methylene chloride
 Concen: 0.37 ug/L
 RT: 3.395 min Scan# 500
 Delta R.T. -0.001 min
 Lab File: J250628A17.D
 Acq: 28 Jun 2025 9:55 am

Tgt Ion:	84	Resp:	1243
Ion Ratio	Lower	Upper	
84	100		
86	53.9	41.7	86.5
49	207.2	103.9	215.9



Manual Integration Report

Data Path	: K:\Jack\2025\250628\	QMethod	: VJ_250624_8260.m
Data File	: J250628A17.D	Operator	: JACK:MCM
Date Inj'd	: 6/28/2025 9:55 am	Instrument	: Jack
Sample	: WG2084888-5,31,10,10,,c	Quant Date	: 6/29/2025 5:31 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 : L2539397-01
Client ID : UST W-1
Sample Location : RAMSEY, NJ
Sample Matrix : SOIL
Analytical Method : 1,6010D
Lab File ID : WG2084914.pdf
Sample Amount : 1.314g
Digestion Method : EPA 3050B

Lab Number : L2539397
Project Number : RAMSEY SD
Date Collected : 06/23/25 12:13
Date Received : 06/23/25
Date Analyzed : 06/30/25 07:07
Dilution Factor : 2
Analyst : MRP
Instrument ID : TRACE8
%Solids : 87
Date Digested : 06/28/25

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-92-1	Lead, Total	2.19	4.37	0.208	J



Form 1

METALS

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2539397-02
 Client ID : UST N-1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,6010D
 Lab File ID : WG2084914.pdf
 Sample Amount : 1.302g
 Digestion Method : EPA 3050B

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : 06/23/25 13:00
 Date Received : 06/23/25
 Date Analyzed : 06/30/25 07:10
 Dilution Factor : 2
 Analyst : MRP
 Instrument ID : TRACE8
 %Solids : 90
 Date Digested : 06/28/25

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-92-1	Lead, Total	3.45	4.28	0.204	J



Form 1

METALS

Client : Phoenix Environmental
Project Name : RAMSEY SD
Lab ID : WG2084698-1
Client ID : WG2084698-1BLANK
Sample Location :
Sample Matrix : SOIL
Analytical Method : 1,6010D
Lab File ID : WG2084914.pdf
Sample Amount : 1.25g
Digestion Method : EPA 3050B

Lab Number : L2539397
Project Number : RAMSEY SD
Date Collected : NA
Date Received : NA
Date Analyzed : 06/30/25 06:19
Dilution Factor : 1
Analyst : MRP
Instrument ID : TRACE8
%Solids : NA
Date Digested : 06/28/25

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 : L2539397
 Project Number : RAMSEY SD

	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID :	R1982756-2		R1982756-5	R1982756-7	R1982756-9		WG2084698-1	
Date Analyzed :	06/29/25 13:05		06/29/25 14:53	06/29/25 16:07	06/29/25 17:00		06/30/25 06:19	
Parameter	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
							0.095	U



Form 3 Blanks

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

Lab Number : L2539397
 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 :			R1982756-11		R1982756-13		R1982756-15	
Date Analyzed :			06/29/25 17:50		06/29/25 17:57		06/30/25 05:39	
Lead			0.00238	U	0.00238	U	0.00238	U



Form 3 Blanks

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

Lab Number : L2539397
 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 :			R1982756-17		R1982756-19			
Date Analyzed :			06/30/25 06:56		06/30/25 07:41			
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 : L2539397
 Project Number : RAMSEY SD
 Units : mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1982756-1			R1982756-4			R1982756-6		R1982756-8	
Date Analyzed :	06/29/25 13:02			06/29/25 14:49			06/29/25 16:04		06/29/25 16:57	
Parameter	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Lead	0.500	0.4970	99	0.5000	0.498	100	0.493	99	0.496	99

Acceptance Criteria:

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

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



Form 2A

Initial and Continuing Calibration Verification

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

Lab Number : L2539397
 Project Number : RAMSEY SD
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R1982756-10			R1982756-12		R1982756-14	
					True	Found	%R	Found	%R	Found	%R
Lead					0.5000	0.498	100	0.502	100	0.513	103

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 : L2539397
 Project Number : RAMSEY SD
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R1982756-16 06/30/25 06:53			R1982756-18 06/30/25 07:38			
					True	Found	%R	Found	%R	Found	%R
Lead					0.5000	0.516	103	0.516	103		

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 : L2539397
 Project Number : RAMSEY SD
 Concentration Units : mg/l

Analyte	True		Initial Found			Final Found			
	Sol.	Sol.	Sol.	%R	Sol.	%R	Sol.	%R	Sol.
	A	AB	A	%R	AB	%R	A	%R	AB
Lab ID :			R1982756-3						
Analysis Date :			06/29/25 13:14						
Lead			-0.00204						

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 : WG2084698-2
 Dup Sample ID :

Lab Number : L2539397
 Project Number : RAMSEY SD
 Matrix : SOIL
 LCS Analysis Date : 06/30/25 06:22
 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	45.2	107.					80-120	20



Run Logs

Form 13

Analysis Run Log

Client : Phoenix Environmental
Project Name : RAMSEY SD
Instrument ID : TRACE8
Start Date : 06/29/25 13:02

Lab Number : L2539397
Project Number : RAMSEY SD
Analysis Method : 1,6010D
End Date : 06/30/25 07:41

[illegible]

Digestion Logs

ICP

Form 12

Preparation Log

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

Lab Number : L2539397
Project Number : RAMSEY SD
Prep Method : EPA 3050B

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2539397-01	06/28/25 15:20	1.31	-
L2539397-02	06/28/25 15:20	1.30	-
WG2084698-1	06/28/25 15:20	1.25	-
WG2084698-2	06/28/25 15:20	1.25	-

Inorganic Data (ICPMS Analysis)

Sample Results Summary

Form 1

METALS

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2539397-01
 Client ID : UST W-1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,6020B
 Lab File ID : WG2085206.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3015

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : 06/23/25 12:13
 Date Received : 06/23/25
 Date Analyzed : 06/30/25 14:52
 Dilution Factor : 10
 Analyst : BLR
 Instrument ID : ICPMSQ
 %Solids : 87
 Date Digested : 06/30/25
 Date Extracted : 06/24/25

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
7439-92-1	Lead, SPLP	4.66	10.0	3.43	J



Form 1

METALS

Client : Phoenix Environmental
Project Name : RAMSEY SD
Lab ID : L2539397-02
Client ID : UST N-1
Sample Location : RAMSEY, NJ
Sample Matrix : SOIL
Analytical Method : 1,6020B
Lab File ID : WG2085206.pdf
Sample Amount : 50ml
Digestion Method : EPA 3015

Lab Number : L2539397
Project Number : RAMSEY SD
Date Collected : 06/23/25 13:00
Date Received : 06/23/25
Date Analyzed : 06/30/25 15:44
Dilution Factor : 10
Analyst : BLR
Instrument ID : ICPMSQ
%Solids : 90
Date Digested : 06/30/25
Date Extracted : 06/24/25

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
7439-92-1	Lead, SPLP	7.21	10.0	3.43	J



Form 1 METALS

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : WG2085221-1
 Client ID : WG2085221-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,6020B
 Lab File ID : WG2085206.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3015

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 06/30/25 14:42
 Dilution Factor : 10
 Analyst : BLR
 Instrument ID : ICPMSQ
 %Solids : NA
 Date Digested : 06/30/25
 Date Extracted : 06/24/25

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 : WG2085221-4
Client ID : UST W-1DUP
Sample Location :
Sample Matrix : SOIL
Analytical Method : 1,6020B
Lab File ID : WG2085206.pdf
Sample Amount : 50ml
Digestion Method : EPA 3015

Lab Number : L2539397
Project Number : RAMSEY SD
Date Collected : 06/23/25 12:13
Date Received : 06/23/25
Date Analyzed : 06/30/25 15:01
Dilution Factor : 10
Analyst : BLR
Instrument ID : ICPMSQ
%Solids : 87
Date Digested : 06/30/25

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
7439-92-1	Lead, SPLP	4.66	10.0	3.43	J



Blank Results Summary

Form 3 Blanks

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

Lab Number : L2539397
 Project Number : RAMSEY SD

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID :	R1982915-2		R1982915-6	R1982915-8	R1982915-11		WG2085221-1	
Date Analyzed :	06/30/25 10:21		06/30/25 10:55	06/30/25 12:06	06/30/25 14:01		06/30/25 14:42	
	ug/l	Q	ug/l	Q	ug/l	Q	ug/l	Q
Lead	0.343	U	0.543	J	0.343	U	0.343	U



Form 3 Blanks

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

Lab Number : L2539397
 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 :	R1982915-3		R1982915-13		R1982915-15		R1982915-17	
Date Analyzed :	06/30/25 10:28		06/30/25 14:12		06/30/25 15:11		06/30/25 15:26	
Lead	0.343	U	0.343	U	0.343	U	0.343	U



Form 3 Blanks

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

Lab Number : L2539397
 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 :			R1982915-19					
Date Analyzed :			06/30/25 15:54					
Lead			0.343	U				



Calibration Summary

Form 2A

Initial and Continuing Calibration Verification

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

Lab Number : L2539397
 Project Number : RAMSEY SD
 Units : ug/l

	Initial Calibration			Continuing Calibration(s)							
	Lab ID	: R1982915-1			R1982915-5			R1982915-7		R1982915-10	
	Date Analyzed	: 06/30/25 10:16			06/30/25 10:50			06/30/25 12:01		06/30/25 13:56	
Parameter		True	Found	%R	True	Found	%R	Found	%R	Found	%R
Lead		50.0	49.7000	99	60.0000	61.4	102	59.9	100	64.8	108

Acceptance Criteria:

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

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



Form 2A

Initial and Continuing Calibration Verification

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

Lab Number : L2539397
 Project Number : RAMSEY SD
 Units : ug/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R1982915-12			R1982915-14		R1982915-16	
					True	Found	%R	Found	%R	Found	%R
Lead					60.0000	57.2	95	61.0	102	61.8	103

Acceptance Criteria:

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

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



Form 2A

Initial and Continuing Calibration Verification

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

Lab Number : L2539397
 Project Number : RAMSEY SD
 Units : ug/l

Parameter	Initial Calibration			Continuing Calibration(s)					
	True	Found	%R	True	Found	%R	Found	%R	Found
Lead				60.0000	62.1	104			

Acceptance Criteria:

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

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



ICP Interference Check Sample Results Summary

Form 4a

Interference Check Sample

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

Lab Number : L2539397
 Project Number : RAMSEY SD
 Concentration Units : ug/l

Analyte	True		Initial Found			Final Found			
	Sol.	Sol.	Sol.	%R	Sol.	%R	Sol.	%R	Sol.
	A	AB	A	%R	AB	%R	A	%R	AB
Lab ID :			R1982915-4						
Analysis Date :			06/30/25 10:35						
Lead			1.09						

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 W-1
 Lab Sample ID : L2539397-01
 Matrix Spike : WG2085221-3
 Matrix Spike Dup :

Lab Number : L2539397
 Project Number : RAMSEY SD
 Matrix : SOIL
 MS Analysis Date : 06/30/25 14:57
 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	4.66J	530	462.	87					80-120	20



Duplicate Sample Results Summary

Form 6 Lab Duplicates

Client : Phoenix Environmental
Project Name : RAMSEY SD
Client Sample ID : UST W-1
Lab Sample ID : L2539397-01
Dup Sample ID : WG2085221-4

Lab Number : L2539397
Project Number : RAMSEY SD
Matrix : SOIL
Analysis Date : 06/30/25 14:52
DUP Analysis Date : 06/30/25 15:01

Parameter	Sample Concentration (ug/l)	Duplicate Concentration (ug/l)	RPD	RPD Limit
Lead, SPLP	4.66J	4.66J	NC	20



LCS Sample Results Summary

Form 7

Laboratory Control Sample

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Client Sample ID : NA
 Lab Sample ID : WG2085221-2
 Dup Sample ID :

Lab Number : L2539397
 Project Number : RAMSEY SD
 Matrix : SOIL
 LCS Analysis Date : 06/30/25 14:47
 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.	506.	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 : ICPMSQ
 Start Date : 06/30/25

Lab Number : L2539397
 Project Number : RAMSEY SD
 Analysis Method : 1,6020B
 End Date : 06/30/25

Sample #	Time	Internal Standards %RI For:				
		Lithium	Scandium	Ge	In	Bismuth
R1982915-1 ICV	10:16:12	97	94	94	93	94
R1982915-2 ICB	10:21:08	97	95	94	92	93
R1982915-3 ICB	10:28:59	98	96	95	94	95
R1982915-4 ICSA	10:35:28	65	77	92	90	79
R1982915-5 CCV	10:50:08	82	88	98	94	96
R1982915-6 CCB	10:55:05	68	71	96	94	96
R1982915-7 CCV	12:01:20	79	82	96	94	95
R1982915-8 CCB	12:06:16	81	82	95	93	95
R1982915-10 CCV	13:56:08	81	83	98	92	91
R1982915-11 CCB	14:01:05	81	83	101	95	97
R1982915-12 CCV	14:07:13	78	83	98	95	97
R1982915-13 CCB	14:12:09	80	79	96	89	91
WG2085221-1 BLANK	14:42:31	79	83	101	94	97
WG2085221-2 LCS	14:47:23	81	84	101	95	97
L2539397-01	14:52:14	75	79	98	93	94
WG2085221-3 MS	14:57:06	77	83	100	96	97
WG2085221-4 DUP	15:01:59	77	82	100	95	97
R1982915-14 CCV	15:06:51	78	82	75	70	71
R1982915-15 CCB	15:11:48	78	79	98	90	93
R1982915-16 CCV	15:21:16	79	82	96	90	93
R1982915-17 CCB	15:26:12	79	83	99	92	95
L2539397-02	15:44:54	78	81	98	93	95
R1982915-18 CCV	15:49:48	81	86	97	92	93
R1982915-19 CCB	15:54:45	79	82	99	93	96



Run Logs

Form 13

Analysis Run Log

Client : Phoenix Environmental
Project Name : RAMSEY SD
Instrument ID : ICPMSQ
Start Date : 06/30/25 09:04

Lab Number : L2539397
Project Number : RAMSEY SD
Analysis Method : 1,6020B
End Date : 06/30/25 15:54

[illegible]

Digestion Logs

ICPMS

Form 12

Preparation Log

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

Lab Number : L2539397
Project Number : RAMSEY SD
Prep Method : EPA 3015

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2539397-01	06/30/25 11:52	-	50
L2539397-02	06/30/25 11:52	-	50
WG2085221-1	06/30/25 11:52	-	50
WG2085221-2	06/30/25 11:52	-	50
WG2085221-3	06/30/25 11:52	-	50
WG2085221-4	06/30/25 11:52	-	50



Wet Chemistry

Total Solids / Percent Moisture Analysis

Results Summary

Form 1

WETCHEM

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2539397-01
 Client ID : UST W-1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG2082739.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : 06/23/25 12:13
 Date Received : 06/23/25
 Date Analyzed : 06/24/25 11:04
 Dilution Factor : 1
 Analyst : RJF
 Instrument ID : BALANCE#53
 %Solids : 87
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	87.1	0.100	NA	



Form 1

WETCHEM

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2539397-02
 Client ID : UST N-1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG2082739.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2539397
 Project Number : RAMSEY SD
 Date Collected : 06/23/25 13:00
 Date Received : 06/23/25
 Date Analyzed : 06/24/25 11:04
 Dilution Factor : 1
 Analyst : RJF
 Instrument ID : BALANCE#53
 %Solids : 90
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	89.8	0.100	NA	

