



ANALYTICAL REPORT

Lab Number:	L2541428
Client:	Phoenix Environmental 3525 Quakerbridge Road Suite 907 Hamilton, NJ 08619
ATTN:	James Barish
Phone:	(609) 584-9001
Project Name:	RAMSEY SD
Project Number:	RAMSEY SD
Report Date:	07/10/25

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Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541428
Report Date: 07/10/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2541428-01	PTW-1	WATER	RAMSEY HIGH SCHOOL	07/01/25 09:50	07/01/25
L2541428-02	PTW-2	WATER	RAMSEY HIGH SCHOOL	07/01/25 10:15	07/01/25
L2541428-03	PTW-3	WATER	RAMSEY HIGH SCHOOL	07/01/25 10:25	07/01/25
L2541428-04	PTW-4	WATER	RAMSEY HIGH SCHOOL	07/01/25 10:43	07/01/25
L2541428-05	PTW-5	WATER	RAMSEY HIGH SCHOOL	07/01/25 11:18	07/01/25
L2541428-06	PTW-6	WATER	RAMSEY HIGH SCHOOL	07/01/25 11:35	07/01/25
L2541428-07	PTW-8	WATER	RAMSEY HIGH SCHOOL	07/01/25 12:05	07/01/25

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541428
Report Date: 07/10/25

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

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

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".



Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541428
Report Date: 07/10/25

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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet 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.

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 Pace Project Manager 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 Project Management at 800-624-9220 with any questions.

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541428
Report Date: 07/10/25

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

L2541428-05, -06, and -07: Sample containers for the Microextractables by 8011 analysis were received, but not listed on the chain of custody. At the client's request, the analysis was not performed.

Volatile Organics

In reference to question 5b:

L2541428-01, -02, -03, -04, -05, -06, and -07: One or more of the target analytes did not achieve the requested regulatory limits.

In reference to question 4:

WG2088417-3/-4 and WG2088592-3/-4: One or more compounds failed to meet the DKQP recovery and/or RPD limits. Please refer to the QC section of the report for specific details.

Semivolatile Organics

In reference to question 4:

WG2086351-2/-3: One or more compounds failed to meet the DKQP recovery and/or RPD limits. Difficult analytes may recover at less than 10% recovery, where applicable. Please refer to the QC section of the report for specific details.

Semivolatile Organics by SIM

In reference to question 4:

WG2086352-2/-3: One or more compounds failed to meet the DKQP recovery and/or RPD limits. Difficult analytes may recover at less than 10% recovery, where applicable. Please refer to the QC section of the report

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541428
Report Date: 07/10/25

Case Narrative (continued)

for specific details.

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

Authorized Signature: *Melissa Sturgis* Melissa Sturgis

Title: Technical Director/Representative

Date: 07/10/25

QC OUTLIER SUMMARY REPORT

Project Name: RAMSEY SD

Project Number: RAMSEY SD

Lab Number: L2541428

Report Date: 07/10/25

Method	Client ID (Native ID)	Lab ID	Parameter	QC Type	Recovery/RPD (%)	QC Limits (%)	Associated Samples	Data Quality Assessment
Volatile Organics by GC/MS - Westborough Lab								
8260D	Batch QC	WG2088417-3	Freon-113	LCS	66	70-130	01-03,05-07	potential low bias
8260D	Batch QC	WG2088417-4	Freon-113	LCSD	66	70-130	01-03,05-07	potential low bias
8260D	Batch QC	WG2088592-4	Bromomethane	LCSD	21	20	04	non-directional bias
Semivolatile Organics by GC/MS - Westborough Lab								
8270E	Batch QC	WG2086351-2	Bis(2-chloroisopropyl)ether	LCS	138	70-130	05-07	potential high bias
8270E	Batch QC	WG2086351-2	Hexachlorobutadiene	LCS	59	70-130	05-07	potential low bias
8270E	Batch QC	WG2086351-3	Bis(2-chloroisopropyl)ether	LCSD	140	70-130	05-07	potential high bias
8270E	Batch QC	WG2086351-3	Hexachlorobutadiene	LCSD	61	70-130	05-07	potential low bias
8270E	Batch QC	WG2086351-3	1,2,4,5-Tetrachlorobenzene	LCSD	68	70-130	05-07	potential low bias
Semivolatile Organics by GC/MS-SIM - Westborough Lab								
8270E-SIM	Batch QC	WG2086352-2	4,6-Dinitro-o-cresol	LCS	66	70-130	05-07	potential low bias
8270E-SIM	Batch QC	WG2086352-2	Hexachlorobutadiene	LCS	60	70-130	05-07	potential low bias
8270E-SIM	Batch QC	WG2086352-2	Hexachloroethane	LCS	62	70-130	05-07	potential low bias
8270E-SIM	Batch QC	WG2086352-2	n-Nitrosodimethylamine	LCS	48	70-130	05-07	potential low bias
8270E-SIM	Batch QC	WG2086352-3	Hexachlorobutadiene	LCSD	67	70-130	05-07	potential low bias
8270E-SIM	Batch QC	WG2086352-3	n-Nitrosodimethylamine	LCSD	54	70-130	05-07	potential low bias

ORGANICS

VOLATILES

Project Name: RAMSEY SD**Lab Number:** L2541428**Project Number:** RAMSEY SD**Report Date:** 07/10/25**SAMPLE RESULTS**

Lab ID: L2541428-01
Client ID: PTW-1
Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/01/25 09:50
Date Received: 07/01/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8011
Analytical Date: 07/07/25 14:42
Analyst: HNY

Extraction Method: EPA 8011
Extraction Date: 07/07/25 10:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Microextractables by GC - Westborough Lab							
1,2-Dibromoethane	ND		ug/l	0.010	0.005	1	A

Project Name: RAMSEY SD**Lab Number:** L2541428**Project Number:** RAMSEY SD**Report Date:** 07/10/25**SAMPLE RESULTS**

Lab ID: L2541428-01
 Client ID: PTW-1
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/01/25 09:50
 Date Received: 07/01/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 07/08/25 22:26
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,4-Dioxane	ND		ug/l	250	61.	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
Methylene chloride	ND		ug/l	2.5	0.68	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	0.50	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.50	0.14	1
Tetrachloroethene	ND		ug/l	0.40	0.06	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.30	0.05	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.40	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.40	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.40	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.20	0.06	1
Benzene	0.12	J	ug/l	0.40	0.08	1
Toluene	ND		ug/l	0.75	0.20	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.20	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	0.20	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

SAMPLE RESULTS

Lab ID: L2541428-01

Date Collected: 07/01/25 09:50

Client ID: PTW-1

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Trichloroethene	ND		ug/l	0.20	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
p/m-Xylene	0.59	J	ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	0.59	J	ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	6.1		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	1.0	0.22	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Freon-113	ND		ug/l	2.5	0.15	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Project Name: RAMSEY SD**Lab Number:** L2541428**Project Number:** RAMSEY SD**Report Date:** 07/10/25**SAMPLE RESULTS**

Lab ID: L2541428-01

Date Collected: 07/01/25 09:50

Client ID: PTW-1

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	106		70-130

Project Name: RAMSEY SD**Project Number:** RAMSEY SD**Lab Number:** L2541428**Report Date:** 07/10/25**SAMPLE RESULTS**

Lab ID: L2541428-02
Client ID: PTW-2
Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/01/25 10:15
Date Received: 07/01/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8011
Analytical Date: 07/07/25 14:50
Analyst: MHG

Extraction Method: EPA 8011
Extraction Date: 07/07/25 10:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Microextractables by GC - Westborough Lab							
1,2-Dibromoethane	ND		ug/l	0.011	0.006	1	A

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

SAMPLE RESULTS

Lab ID: L2541428-02
 Client ID: PTW-2
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/01/25 10:15
 Date Received: 07/01/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 07/08/25 22:48
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,4-Dioxane	ND		ug/l	250	61.	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
Methylene chloride	ND		ug/l	2.5	0.68	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	0.50	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.50	0.14	1
Tetrachloroethene	ND		ug/l	0.40	0.06	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.30	0.05	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.40	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.40	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.40	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.20	0.06	1
Benzene	0.10	J	ug/l	0.40	0.08	1
Toluene	ND		ug/l	0.75	0.20	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.20	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	0.20	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

SAMPLE RESULTS

Lab ID: L2541428-02

Date Collected: 07/01/25 10:15

Client ID: PTW-2

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Trichloroethene	ND		ug/l	0.20	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
p/m-Xylene	0.56	J	ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	0.56	J	ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	5.6		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	1.0	0.22	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Freon-113	ND		ug/l	2.5	0.15	1

Tentatively Identified Compounds

Total TIC Compounds	2.42	J	ug/l	1
Unknown	2.42	J	ug/l	1

Project Name: RAMSEY SD**Lab Number:** L2541428**Project Number:** RAMSEY SD**Report Date:** 07/10/25**SAMPLE RESULTS**

Lab ID: L2541428-02

Date Collected: 07/01/25 10:15

Client ID: PTW-2

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	106		70-130

Project Name: RAMSEY SD**Project Number:** RAMSEY SD**Lab Number:** L2541428**Report Date:** 07/10/25**SAMPLE RESULTS**

Lab ID: L2541428-03
Client ID: PTW-3
Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/01/25 10:25
Date Received: 07/01/25
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8011
Analytical Date: 07/07/25 14:58
Analyst: MHG

Extraction Method: EPA 8011
Extraction Date: 07/07/25 10:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Microextractables by GC - Westborough Lab							
1,2-Dibromoethane	ND		ug/l	0.011	0.006	1	A

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

SAMPLE RESULTS

Lab ID: L2541428-03
 Client ID: PTW-3
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/01/25 10:25
 Date Received: 07/01/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 07/08/25 23:10
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,4-Dioxane	ND		ug/l	250	61.	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
Methylene chloride	ND		ug/l	2.5	0.68	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	0.50	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.50	0.14	1
Tetrachloroethene	ND		ug/l	0.40	0.06	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.30	0.05	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.40	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.40	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.40	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.20	0.06	1
Benzene	ND		ug/l	0.40	0.08	1
Toluene	ND		ug/l	0.75	0.20	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.20	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	0.20	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1



Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

SAMPLE RESULTS

Lab ID: L2541428-03

Date Collected: 07/01/25 10:25

Client ID: PTW-3

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Trichloroethene	ND		ug/l	0.20	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
p/m-Xylene	0.57	J	ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	0.57	J	ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	6.8		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	1.0	0.22	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Freon-113	ND		ug/l	2.5	0.15	1

Tentatively Identified Compounds

Total TIC Compounds	1.96	J	ug/l	1
Unknown	1.96	J	ug/l	1

Project Name: RAMSEY SD**Lab Number:** L2541428**Project Number:** RAMSEY SD**Report Date:** 07/10/25**SAMPLE RESULTS**

Lab ID: L2541428-03

Date Collected: 07/01/25 10:25

Client ID: PTW-3

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	105		70-130

Project Name: RAMSEY SD**Project Number:** RAMSEY SD**Lab Number:** L2541428**Report Date:** 07/10/25**SAMPLE RESULTS**

Lab ID: L2541428-04
Client ID: PTW-4
Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/01/25 10:43
Date Received: 07/01/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8011
Analytical Date: 07/07/25 15:07
Analyst: MHG

Extraction Method: EPA 8011
Extraction Date: 07/07/25 10:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Microextractables by GC - Westborough Lab							
1,2-Dibromoethane	ND		ug/l	0.010	0.005	1	A

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

SAMPLE RESULTS

Lab ID: L2541428-04
 Client ID: PTW-4
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/01/25 10:43
 Date Received: 07/01/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 07/09/25 09:17
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,4-Dioxane	ND		ug/l	250	61.	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
Methylene chloride	ND		ug/l	2.5	0.68	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	0.50	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.50	0.14	1
Tetrachloroethene	ND		ug/l	0.40	0.06	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.30	0.05	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.40	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.40	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.40	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.20	0.06	1
Benzene	0.80		ug/l	0.40	0.08	1
Toluene	0.48	J	ug/l	0.75	0.20	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.20	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	0.20	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1

Project Name: RAMSEY SD**Lab Number:** L2541428**Project Number:** RAMSEY SD**Report Date:** 07/10/25**SAMPLE RESULTS**

Lab ID: L2541428-04

Date Collected: 07/01/25 10:43

Client ID: PTW-4

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Trichloroethene	ND		ug/l	0.20	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
p/m-Xylene	2.2		ug/l	1.0	0.33	1
o-Xylene	0.54	J	ug/l	1.0	0.39	1
Xylenes, Total	2.7	J	ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	8.5		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Isopropylbenzene	1.4		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	1.0	0.22	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	26		ug/l	10	0.27	1
Methyl cyclohexane	23		ug/l	10	0.40	1
Freon-113	ND		ug/l	2.5	0.15	1

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

SAMPLE RESULTS

Lab ID: L2541428-04

Date Collected: 07/01/25 10:43

Client ID: PTW-4

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	189	J	ug/l			1
1-Hexene, 4-methyl-	22.4	NJ	ug/l			1
Unknown Benzene	6.19	J	ug/l			1
Cyclopentane, Methyl-	37.2	NJ	ug/l			1
n-Hexane	7.93	NJ	ug/l			1
Pentane	11.8	NJ	ug/l			1
Pentane, 2,3,3-trimethyl-	8.22	NJ	ug/l			1
Pentane, 3-methyl-	10.6	NJ	ug/l			1
Unknown	11.8	J	ug/l			1
Unknown Cycloalkane	6.34	J	ug/l			1
Pentane, 2,3-dimethyl-	5.01	NJ	ug/l			1
Unknown	10.0	J	ug/l			1
Unknown Alkane	4.32	J	ug/l			1
Pentane, 2-methyl-	24.0	NJ	ug/l			1
Unknown	18.6	J	ug/l			1
Unknown Benzene	5.00	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

SAMPLE RESULTS

Lab ID: L2541428-05

Date Collected: 07/01/25 11:18

Client ID: PTW-5

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 07/08/25 23:55

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,4-Dioxane	ND		ug/l	250	61.	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
Methylene chloride	ND		ug/l	2.5	0.68	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	0.50	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.50	0.14	1
Tetrachloroethene	ND		ug/l	0.40	0.06	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.30	0.05	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.40	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.40	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.40	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.20	0.06	1
Benzene	ND		ug/l	0.40	0.08	1
Toluene	ND		ug/l	0.75	0.20	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.20	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	0.20	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

SAMPLE RESULTS

Lab ID: L2541428-05

Date Collected: 07/01/25 11:18

Client ID: PTW-5

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Trichloroethene	ND		ug/l	0.20	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	5.4		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	1.0	0.22	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Freon-113	ND		ug/l	2.5	0.15	1

Tentatively Identified Compounds

Total TIC Compounds	3.69	J	ug/l	1
Unknown	2.22	J	ug/l	1
Unknown	1.47	J	ug/l	1

Project Name: RAMSEY SD**Lab Number:** L2541428**Project Number:** RAMSEY SD**Report Date:** 07/10/25**SAMPLE RESULTS**

Lab ID: L2541428-05

Date Collected: 07/01/25 11:18

Client ID: PTW-5

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	106		70-130

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

SAMPLE RESULTS

Lab ID: L2541428-06
 Client ID: PTW-6
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/01/25 11:35
 Date Received: 07/01/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 07/09/25 00:17
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,4-Dioxane	ND		ug/l	250	61.	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
Methylene chloride	ND		ug/l	2.5	0.68	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	0.50	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.50	0.14	1
Tetrachloroethene	ND		ug/l	0.40	0.06	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.30	0.05	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.40	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.40	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.40	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.20	0.06	1
Benzene	ND		ug/l	0.40	0.08	1
Toluene	ND		ug/l	0.75	0.20	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.20	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	0.20	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

SAMPLE RESULTS

Lab ID: L2541428-06

Date Collected: 07/01/25 11:35

Client ID: PTW-6

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Trichloroethene	ND		ug/l	0.20	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
p/m-Xylene	0.56	J	ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	0.56	J	ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	4.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	1.0	0.22	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Freon-113	ND		ug/l	2.5	0.15	1

Tentatively Identified Compounds

Total TIC Compounds	1.01	J	ug/l	1
Unknown	1.01	J	ug/l	1

Project Name: RAMSEY SD**Lab Number:** L2541428**Project Number:** RAMSEY SD**Report Date:** 07/10/25**SAMPLE RESULTS**

Lab ID: L2541428-06

Date Collected: 07/01/25 11:35

Client ID: PTW-6

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	105		70-130

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

SAMPLE RESULTS

Lab ID: L2541428-07

Date Collected: 07/01/25 12:05

Client ID: PTW-8

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 07/09/25 00:39

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,4-Dioxane	ND		ug/l	250	61.	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
Methylene chloride	ND		ug/l	2.5	0.68	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	0.50	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.50	0.14	1
Tetrachloroethene	ND		ug/l	0.40	0.06	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.30	0.05	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.40	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.40	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.40	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.20	0.06	1
Benzene	ND		ug/l	0.40	0.08	1
Toluene	ND		ug/l	0.75	0.20	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.20	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	0.20	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

SAMPLE RESULTS

Lab ID: L2541428-07

Date Collected: 07/01/25 12:05

Client ID: PTW-8

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Trichloroethene	ND		ug/l	0.20	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	4.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	1.0	0.22	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Freon-113	ND		ug/l	2.5	0.15	1

Tentatively Identified Compounds

Total TIC Compounds	1.90	J	ug/l	1
Unknown	1.90	J	ug/l	1

Project Name: RAMSEY SD**Lab Number:** L2541428**Project Number:** RAMSEY SD**Report Date:** 07/10/25**SAMPLE RESULTS**

Lab ID: L2541428-07

Date Collected: 07/01/25 12:05

Client ID: PTW-8

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	104		70-130

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541428
Report Date: 07/10/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8011
Analytical Date: 07/07/25 11:53
Analyst: HNY

Extraction Method: EPA 8011
Extraction Date: 07/07/25 10:17

Parameter	Result	Qualifier	Units	RL	MDL	
Microextractables by GC - Westborough Lab for sample(s): 01-04 Batch: WG2087503-1						
1,2-Dibromoethane	ND		ug/l	0.010	0.005	A

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541428
Report Date: 07/10/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/08/25 19:50
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-07 Batch: WG2088417-5					
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35
1,4-Dioxane	ND		ug/l	250	61.
1,2-Dibromoethane	ND		ug/l	2.0	0.19
Methylene chloride	ND		ug/l	2.5	0.68
1,1-Dichloroethane	ND		ug/l	0.75	0.21
Chloroform	ND		ug/l	0.75	0.22
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	0.50	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	0.50	0.14
Tetrachloroethene	ND		ug/l	0.40	0.06
Chlorobenzene	ND		ug/l	0.50	0.18
Trichlorofluoromethane	ND		ug/l	2.5	0.16
1,2-Dichloroethane	ND		ug/l	0.30	0.05
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.40	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.40	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.40	0.14
Bromoform	ND		ug/l	2.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/l	0.20	0.06
Benzene	ND		ug/l	0.40	0.08
Toluene	ND		ug/l	0.75	0.20
Ethylbenzene	ND		ug/l	0.50	0.17
Chloromethane	ND		ug/l	2.5	0.20
Bromomethane	ND		ug/l	1.0	0.26
Vinyl chloride	ND		ug/l	0.20	0.07
Chloroethane	ND		ug/l	1.0	0.13
1,1-Dichloroethene	ND		ug/l	0.50	0.17

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541428
Report Date: 07/10/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/08/25 19:50
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-07 Batch: WG2088417-5					
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16
Trichloroethene	ND		ug/l	0.20	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19
Methyl tert butyl ether	ND		ug/l	1.0	0.17
p/m-Xylene	0.57	J	ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.39
Xylenes, Total	0.57	J	ug/l	1.0	0.33
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16
Styrene	ND		ug/l	1.0	0.36
Dichlorodifluoromethane	ND		ug/l	5.0	0.24
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	0.30
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
2-Hexanone	ND		ug/l	5.0	0.52
Bromochloromethane	ND		ug/l	2.5	0.15
Isopropylbenzene	ND		ug/l	0.50	0.19
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23
1,2,4-Trichlorobenzene	ND		ug/l	1.0	0.22
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Methyl cyclohexane	ND		ug/l	10	0.40
Freon-113	ND		ug/l	2.5	0.15



Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541428
Report Date: 07/10/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/08/25 19:50
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-07 Batch: WG2088417-5					

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	101		70-130

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541428
Report Date: 07/10/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/09/25 08:52
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG2088592-5					
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35
1,4-Dioxane	ND		ug/l	250	61.
1,2-Dibromoethane	ND		ug/l	2.0	0.19
Methylene chloride	ND		ug/l	2.5	0.68
1,1-Dichloroethane	ND		ug/l	0.75	0.21
Chloroform	ND		ug/l	0.75	0.22
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	0.50	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	0.50	0.14
Tetrachloroethene	ND		ug/l	0.40	0.06
Chlorobenzene	ND		ug/l	0.50	0.18
Trichlorofluoromethane	ND		ug/l	2.5	0.16
1,2-Dichloroethane	ND		ug/l	0.30	0.05
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.40	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.40	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.40	0.14
Bromoform	ND		ug/l	2.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/l	0.20	0.06
Benzene	ND		ug/l	0.40	0.08
Toluene	ND		ug/l	0.75	0.20
Ethylbenzene	ND		ug/l	0.50	0.17
Chloromethane	ND		ug/l	2.5	0.20
Bromomethane	0.27	J	ug/l	1.0	0.26
Vinyl chloride	ND		ug/l	0.20	0.07
Chloroethane	ND		ug/l	1.0	0.13
1,1-Dichloroethene	ND		ug/l	0.50	0.17

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541428
Report Date: 07/10/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 07/09/25 08:52
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG2088592-5					
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16
Trichloroethene	ND		ug/l	0.20	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19
Methyl tert butyl ether	ND		ug/l	1.0	0.17
p/m-Xylene	ND		ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.39
Xylenes, Total	ND		ug/l	1.0	0.33
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16
Styrene	ND		ug/l	1.0	0.36
Dichlorodifluoromethane	ND		ug/l	5.0	0.24
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	0.30
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
2-Hexanone	ND		ug/l	5.0	0.52
Bromochloromethane	ND		ug/l	2.5	0.15
Isopropylbenzene	ND		ug/l	0.50	0.19
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23
1,2,4-Trichlorobenzene	ND		ug/l	1.0	0.22
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Methyl cyclohexane	ND		ug/l	10	0.40
Freon-113	ND		ug/l	2.5	0.15

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541428
Report Date: 07/10/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 07/09/25 08:52
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG2088592-5					

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	112		70-130

Lab Control Sample Analysis
Batch Quality Control**Project Name:** RAMSEY SD**Project Number:** RAMSEY SD**Lab Number:** L2541428**Report Date:** 07/10/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Microextractables by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG2087503-2									
1,2-Dibromoethane	104		-		60-140	-		20	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG2088417-3 WG2088417-4								
1,2-Dibromo-3-chloropropane	110		97		40-160	13		20
1,4-Dioxane	120		120		40-160	0		20
1,2-Dibromoethane	110		100		70-130	10		20
Methylene chloride	88		89		70-130	1		20
1,1-Dichloroethane	98		93		70-130	5		20
Chloroform	98		92		70-130	6		20
Carbon tetrachloride	95		90		70-130	5		20
1,2-Dichloropropane	100		99		70-130	1		20
Dibromochloromethane	100		95		70-130	5		20
1,1,2-Trichloroethane	100		97		70-130	3		20
Tetrachloroethene	96		87		70-130	10		20
Chlorobenzene	100		92		70-130	8		20
Trichlorofluoromethane	82		76		40-160	8		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	100		97		70-130	3		20
Bromodichloromethane	100		100		70-130	0		20
trans-1,3-Dichloropropene	110		100		70-130	10		20
cis-1,3-Dichloropropene	110		100		70-130	10		20
Bromoform	94		86		40-160	9		20
1,1,2,2-Tetrachloroethane	100		94		40-160	6		20
Benzene	100		98		70-130	2		20
Toluene	100		95		70-130	5		20
Ethylbenzene	96		88		70-130	9		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG2088417-3 WG2088417-4								
Chloromethane	94		93		40-160	1		20
Bromomethane	57		54		40-160	5		20
Vinyl chloride	98		95		70-130	3		20
Chloroethane	95		94		40-160	1		20
1,1-Dichloroethene	78		74		70-130	5		20
trans-1,2-Dichloroethene	90		89		70-130	1		20
Trichloroethene	95		92		70-130	3		20
1,2-Dichlorobenzene	95		87		70-130	9		20
1,3-Dichlorobenzene	92		84		70-130	9		20
1,4-Dichlorobenzene	93		83		70-130	11		20
Methyl tert butyl ether	90		87		70-130	3		20
p/m-Xylene	90		85		70-130	6		20
o-Xylene	90		80		70-130	12		20
cis-1,2-Dichloroethene	93		90		70-130	3		20
Styrene	85		80		40-160	6		20
Dichlorodifluoromethane	120		110		40-160	9		20
Acetone	87		90		40-160	3		20
Carbon disulfide	62		61		40-160	2		20
2-Butanone	82		82		40-160	0		20
4-Methyl-2-pentanone	95		92		40-160	3		20
2-Hexanone	86		78		40-160	10		20
Bromochloromethane	94		91		70-130	3		20
Isopropylbenzene	87		80		70-130	8		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG2088417-3 WG2088417-4								
1,2,3-Trichlorobenzene	100		92		70-130	8		20
1,2,4-Trichlorobenzene	95		89		70-130	7		20
Methyl Acetate	88		86		70-130	2		20
Cyclohexane	79		73		70-130	8		20
Methyl cyclohexane	80		74		70-130	8		20
Freon-113	66	Q	66	Q	70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		111		70-130
Toluene-d8	110		104		70-130
4-Bromofluorobenzene	105		106		70-130
Dibromofluoromethane	101		99		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG2088592-3 WG2088592-4								
1,2-Dibromo-3-chloropropane	86		90		40-160	5		20
1,4-Dioxane	92		90		40-160	2		20
1,2-Dibromoethane	97		100		70-130	3		20
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	99		100		70-130	1		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	93		94		70-130	1		20
1,2-Dichloropropane	98		100		70-130	2		20
Dibromochloromethane	100		110		70-130	10		20
1,1,2-Trichloroethane	98		100		70-130	2		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		70-130	0		20
Trichlorofluoromethane	96		95		40-160	1		20
1,2-Dichloroethane	95		98		70-130	3		20
1,1,1-Trichloroethane	100		100		70-130	0		20
Bromodichloromethane	99		100		70-130	1		20
trans-1,3-Dichloropropene	95		96		70-130	1		20
cis-1,3-Dichloropropene	96		97		70-130	1		20
Bromoform	94		98		40-160	4		20
1,1,2,2-Tetrachloroethane	90		92		40-160	2		20
Benzene	100		110		70-130	10		20
Toluene	100		100		70-130	0		20
Ethylbenzene	98		100		70-130	2		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG2088592-3 WG2088592-4								
Chloromethane	80		81		40-160	1		20
Bromomethane	64		79		40-160	21	Q	20
Vinyl chloride	97		97		70-130	0		20
Chloroethane	100		100		40-160	0		20
1,1-Dichloroethene	100		100		70-130	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	96		98		70-130	2		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	82		85		70-130	4		20
p/m-Xylene	105		110		70-130	5		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	105		105		40-160	0		20
Dichlorodifluoromethane	93		92		40-160	1		20
Acetone	76		78		40-160	3		20
Carbon disulfide	77		77		40-160	0		20
2-Butanone	70		72		40-160	3		20
4-Methyl-2-pentanone	67		72		40-160	7		20
2-Hexanone	63		67		40-160	6		20
Bromochloromethane	110		110		70-130	0		20
Isopropylbenzene	89		92		70-130	3		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG2088592-3 WG2088592-4								
1,2,3-Trichlorobenzene	98		100		70-130	2		20
1,2,4-Trichlorobenzene	98		100		70-130	2		20
Methyl Acetate	70		72		70-130	3		20
Cyclohexane	76		77		70-130	1		20
Methyl cyclohexane	81		82		70-130	1		20
Freon-113	94		93		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		99		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	101		98		70-130
Dibromofluoromethane	104		103		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
Microextractables by GC - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG2087503-3 QC Sample: L2541428-01 Client ID: PTW-1													
1,2-Dibromoethane	ND	0.255	0.272	107		-	-		60-140	-		20	A

SEMIVOLATILES

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

SAMPLE RESULTS

Lab ID: L2541428-05
 Client ID: PTW-5
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/01/25 11:18
 Date Received: 07/01/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E
 Analytical Date: 07/04/25 04:54
 Analyst: MRG

Extraction Method: EPA 3510C
 Extraction Date: 07/03/25 04:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.40	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
Fluoranthene	ND		ug/l	2.0	0.41	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Naphthalene	ND		ug/l	2.0	0.54	1
Nitrobenzene	ND		ug/l	1.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	1.0	0.91	1
Bis(2-ethylhexyl)phthalate	2.6	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	3.7	J	ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Chrysene	ND		ug/l	2.0	0.22	1
Acenaphthylene	ND		ug/l	2.0	0.32	1
Anthracene	ND		ug/l	2.0	0.47	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1
Fluorene	ND		ug/l	2.0	0.44	1
Phenanthrene	ND		ug/l	2.0	0.42	1

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

SAMPLE RESULTS

Lab ID: L2541428-05

Date Collected: 07/01/25 11:18

Client ID: PTW-5

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Pyrene	ND		ug/l	2.0	0.41	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
2-Methylnaphthalene	ND		ug/l	2.0	0.37	1
2,4,6-Trichlorophenol	ND		ug/l	2.0	0.80	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	10	5.4	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Acetophenone	ND		ug/l	5.0	0.92	1
Caprolactam	6.9	J	ug/l	10	1.2	1
Biphenyl	ND		ug/l	2.0	0.20	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Atrazine	ND		ug/l	3.0	1.0	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Tentatively Identified Compounds

No Tentatively Identified Compounds

ND

ug/l

1

Project Name: RAMSEY SD**Lab Number:** L2541428**Project Number:** RAMSEY SD**Report Date:** 07/10/25**SAMPLE RESULTS**

Lab ID: L2541428-05

Date Collected: 07/01/25 11:18

Client ID: PTW-5

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		15-110
Phenol-d6	28		15-110
Nitrobenzene-d5	75		30-130
2-Fluorobiphenyl	68		30-130
2,4,6-Tribromophenol	67		15-110
4-Terphenyl-d14	79		30-130

Project Name: RAMSEY SD**Lab Number:** L2541428**Project Number:** RAMSEY SD**Report Date:** 07/10/25**SAMPLE RESULTS**

Lab ID: L2541428-05
 Client ID: PTW-5
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/01/25 11:18
 Date Received: 07/01/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E-SIM
 Analytical Date: 07/06/25 15:40
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 07/03/25 04:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
4,6-Dinitro-o-cresol	ND		ug/l	0.70	0.44	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Hexachlorobenzene	ND		ug/l	0.02	0.01	1
Pentachlorophenol	ND		ug/l	0.10	0.06	1
Hexachlorobutadiene	ND		ug/l	1.0	0.02	1
Hexachloroethane	ND		ug/l	0.70	0.02	1
n-Nitrosodimethylamine	ND		ug/l	0.70	0.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		15-110
Phenol-d6	28		15-110
Nitrobenzene-d5	63		30-130
2-Fluorobiphenyl	74		30-130
2,4,6-Tribromophenol	64		15-110
4-Terphenyl-d14	64		30-130

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

SAMPLE RESULTS

Lab ID: L2541428-06
 Client ID: PTW-6
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/01/25 11:35
 Date Received: 07/01/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E
 Analytical Date: 07/04/25 04:03
 Analyst: MRG

Extraction Method: EPA 3510C
 Extraction Date: 07/03/25 04:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.40	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
Fluoranthene	ND		ug/l	2.0	0.41	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Naphthalene	ND		ug/l	2.0	0.54	1
Nitrobenzene	ND		ug/l	1.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	1.0	0.91	1
Bis(2-ethylhexyl)phthalate	2.7	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	3.8	J	ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Chrysene	ND		ug/l	2.0	0.22	1
Acenaphthylene	ND		ug/l	2.0	0.32	1
Anthracene	ND		ug/l	2.0	0.47	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1
Fluorene	ND		ug/l	2.0	0.44	1
Phenanthrene	ND		ug/l	2.0	0.42	1

Project Name: RAMSEY SD**Lab Number:** L2541428**Project Number:** RAMSEY SD**Report Date:** 07/10/25**SAMPLE RESULTS**

Lab ID: L2541428-06

Date Collected: 07/01/25 11:35

Client ID: PTW-6

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Pyrene	ND		ug/l	2.0	0.41	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
2-Methylnaphthalene	ND		ug/l	2.0	0.37	1
2,4,6-Trichlorophenol	ND		ug/l	2.0	0.80	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	10	5.4	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Acetophenone	ND		ug/l	5.0	0.92	1
Caprolactam	4.8	J	ug/l	10	1.2	1
Biphenyl	ND		ug/l	2.0	0.20	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Atrazine	ND		ug/l	3.0	1.0	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

SAMPLE RESULTS

Lab ID: L2541428-06

Date Collected: 07/01/25 11:35

Client ID: PTW-6

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	37.3	J	ug/l	1
Unknown	8.30	J	ug/l	1
Unknown	4.30	J	ug/l	1
Unknown	5.30	J	ug/l	1
Unknown Organic Acid	8.30	J	ug/l	1
Unknown	5.50	J	ug/l	1
Unknown	5.60	J	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		15-110
Phenol-d6	29		15-110
Nitrobenzene-d5	80		30-130
2-Fluorobiphenyl	70		30-130
2,4,6-Tribromophenol	73		15-110
4-Terphenyl-d14	81		30-130

Project Name: RAMSEY SD**Lab Number:** L2541428**Project Number:** RAMSEY SD**Report Date:** 07/10/25**SAMPLE RESULTS**

Lab ID: L2541428-06
 Client ID: PTW-6
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/01/25 11:35
 Date Received: 07/01/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E-SIM
 Analytical Date: 07/06/25 15:57
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 07/03/25 04:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
4,6-Dinitro-o-cresol	ND		ug/l	0.70	0.44	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Hexachlorobenzene	ND		ug/l	0.02	0.01	1
Pentachlorophenol	ND		ug/l	0.10	0.06	1
Hexachlorobutadiene	ND		ug/l	1.0	0.02	1
Hexachloroethane	ND		ug/l	0.70	0.02	1
n-Nitrosodimethylamine	ND		ug/l	0.70	0.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		15-110
Phenol-d6	27		15-110
Nitrobenzene-d5	64		30-130
2-Fluorobiphenyl	73		30-130
2,4,6-Tribromophenol	65		15-110
4-Terphenyl-d14	64		30-130

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

SAMPLE RESULTS

Lab ID: L2541428-07
 Client ID: PTW-8
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/01/25 12:05
 Date Received: 07/01/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E
 Analytical Date: 07/04/25 04:29
 Analyst: MRG

Extraction Method: EPA 3510C
 Extraction Date: 07/03/25 04:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.40	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
Fluoranthene	ND		ug/l	2.0	0.41	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Naphthalene	ND		ug/l	2.0	0.54	1
Nitrobenzene	ND		ug/l	1.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	1.0	0.91	1
Bis(2-ethylhexyl)phthalate	2.6	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	3.6	J	ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Chrysene	ND		ug/l	2.0	0.22	1
Acenaphthylene	ND		ug/l	2.0	0.32	1
Anthracene	ND		ug/l	2.0	0.47	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1
Fluorene	ND		ug/l	2.0	0.44	1
Phenanthrene	ND		ug/l	2.0	0.42	1

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

SAMPLE RESULTS

Lab ID: L2541428-07

Date Collected: 07/01/25 12:05

Client ID: PTW-8

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Pyrene	ND		ug/l	2.0	0.41	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
2-Methylnaphthalene	ND		ug/l	2.0	0.37	1
2,4,6-Trichlorophenol	ND		ug/l	2.0	0.80	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	10	5.4	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Acetophenone	ND		ug/l	5.0	0.92	1
Caprolactam	ND		ug/l	10	1.2	1
Biphenyl	ND		ug/l	2.0	0.20	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Atrazine	ND		ug/l	3.0	1.0	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Tentatively Identified Compounds

No Tentatively Identified Compounds

ND

ug/l

1

Project Name: RAMSEY SD**Lab Number:** L2541428**Project Number:** RAMSEY SD**Report Date:** 07/10/25**SAMPLE RESULTS**

Lab ID: L2541428-07

Date Collected: 07/01/25 12:05

Client ID: PTW-8

Date Received: 07/01/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		15-110
Phenol-d6	33		15-110
Nitrobenzene-d5	82		30-130
2-Fluorobiphenyl	72		30-130
2,4,6-Tribromophenol	74		15-110
4-Terphenyl-d14	80		30-130

Project Name: RAMSEY SD**Lab Number:** L2541428**Project Number:** RAMSEY SD**Report Date:** 07/10/25**SAMPLE RESULTS**

Lab ID: L2541428-07
 Client ID: PTW-8
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/01/25 12:05
 Date Received: 07/01/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E-SIM
 Analytical Date: 07/06/25 16:14
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 07/03/25 04:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
4,6-Dinitro-o-cresol	ND		ug/l	0.70	0.44	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Hexachlorobenzene	ND		ug/l	0.02	0.01	1
Pentachlorophenol	ND		ug/l	0.10	0.06	1
Hexachlorobutadiene	ND		ug/l	1.0	0.02	1
Hexachloroethane	ND		ug/l	0.70	0.02	1
n-Nitrosodimethylamine	ND		ug/l	0.70	0.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		15-110
Phenol-d6	33		15-110
Nitrobenzene-d5	76		30-130
2-Fluorobiphenyl	85		30-130
2,4,6-Tribromophenol	82		15-110
4-Terphenyl-d14	69		30-130

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541428
Report Date: 07/10/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/03/25 13:20
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 07/02/25 15:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-07 Batch: WG2086351-1					
Acenaphthene	ND		ug/l	2.0	0.40
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
Hexachlorobenzene	ND		ug/l	2.0	0.45
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
2-Chloronaphthalene	ND		ug/l	2.0	0.35
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84
Fluoranthene	ND		ug/l	2.0	0.41
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84
Hexachlorobutadiene	ND		ug/l	2.0	0.36
Hexachlorocyclopentadiene	ND		ug/l	20	1.2
Isophorone	ND		ug/l	5.0	0.86
Naphthalene	ND		ug/l	2.0	0.54
Nitrobenzene	ND		ug/l	1.0	0.20
NDPA/DPA	ND		ug/l	2.0	0.92
n-Nitrosodi-n-propylamine	ND		ug/l	1.0	0.91
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	2.6
Di-n-butylphthalate	ND		ug/l	5.0	0.96
Di-n-octylphthalate	ND		ug/l	5.0	2.3
Diethyl phthalate	ND		ug/l	5.0	0.76
Dimethyl phthalate	ND		ug/l	5.0	0.92
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.37
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62
Chrysene	ND		ug/l	2.0	0.22



Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541428
Report Date: 07/10/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/03/25 13:20
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 07/02/25 15:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-07 Batch: WG2086351-1					
Acenaphthylene	ND		ug/l	2.0	0.32
Anthracene	ND		ug/l	2.0	0.47
Benzo(ghi)perylene	ND		ug/l	2.0	0.37
Fluorene	ND		ug/l	2.0	0.44
Phenanthrene	ND		ug/l	2.0	0.42
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48
Pyrene	ND		ug/l	2.0	0.41
4-Chloroaniline	ND		ug/l	5.0	0.47
2-Nitroaniline	ND		ug/l	5.0	1.0
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.4
Dibenzofuran	ND		ug/l	2.0	0.40
2-Methylnaphthalene	ND		ug/l	2.0	0.37
2,4,6-Trichlorophenol	ND		ug/l	2.0	0.80
p-Chloro-m-cresol	ND		ug/l	2.0	0.61
2-Chlorophenol	ND		ug/l	2.0	0.65
2,4-Dichlorophenol	ND		ug/l	5.0	1.7
2,4-Dimethylphenol	ND		ug/l	5.0	2.0
2-Nitrophenol	ND		ug/l	10	2.0
4-Nitrophenol	ND		ug/l	10	1.4
2,4-Dinitrophenol	ND		ug/l	10	5.4
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3
Pentachlorophenol	ND		ug/l	10	2.5
Phenol	ND		ug/l	5.0	0.35
2-Methylphenol	ND		ug/l	5.0	2.3
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Carbazole	ND		ug/l	2.0	0.31
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24



Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541428
Report Date: 07/10/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/03/25 13:20
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 07/02/25 15:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-07 Batch: WG2086351-1					
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8
Benzaldehyde	ND		ug/l	5.0	1.1
Acetophenone	ND		ug/l	5.0	0.92
Caprolactam	ND		ug/l	10	1.2
Biphenyl	ND		ug/l	2.0	0.20
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24
Atrazine	ND		ug/l	3.0	1.0
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2

Tentatively Identified Compounds

Total TIC Compounds	16.1	J	ug/l
Unknown	5.60	J	ug/l
Unknown	4.30	J	ug/l
Unknown Organic Acid	6.20	J	ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		15-110
Phenol-d6	42		15-110
Nitrobenzene-d5	91		30-130
2-Fluorobiphenyl	73		30-130
2,4,6-Tribromophenol	69		15-110
4-Terphenyl-d14	80		30-130

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541428
Report Date: 07/10/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 07/04/25 03:06
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 07/02/25 15:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05-07 Batch: WG2086352-1					
4,6-Dinitro-o-cresol	ND		ug/l	0.70	0.44
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	0.04	J	ug/l	0.10	0.02
Hexachlorobenzene	ND		ug/l	0.02	0.01
Pentachlorophenol	ND		ug/l	0.10	0.06
Hexachlorobutadiene	ND		ug/l	1.0	0.02
Hexachloroethane	ND		ug/l	0.70	0.02
n-Nitrosodimethylamine	ND		ug/l	0.70	0.05

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		15-110
Phenol-d6	37		15-110
Nitrobenzene-d5	69		30-130
2-Fluorobiphenyl	80		30-130
2,4,6-Tribromophenol	65		15-110
4-Terphenyl-d14	82		30-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-07 Batch: WG2086351-2 WG2086351-3								
Acenaphthene	83		79		70-130	5		20
3-Methylphenol/4-Methylphenol	88		87		20-160	1		20
Hexachlorobenzene	77		72		70-130	7		20
Bis(2-chloroethyl)ether	96		97		70-130	1		20
2-Chloronaphthalene	77		75		70-130	3		20
2,4-Dinitrotoluene	86		86		70-130	0		20
2,6-Dinitrotoluene	88		84		70-130	5		20
Fluoranthene	91		86		70-130	6		20
4-Chlorophenyl phenyl ether	78		76		70-130	3		20
Bis(2-chloroisopropyl)ether	138	Q	140	Q	70-130	1		20
Bis(2-chloroethoxy)methane	95		94		70-130	1		20
Hexachlorobutadiene	59	Q	61	Q	70-130	3		20
Hexachlorocyclopentadiene	59		59		20-160	0		20
Isophorone	97		99		70-130	2		20
Naphthalene	78		76		70-130	3		20
Nitrobenzene	95		95		70-130	0		20
NDPA/DPA	86		84		70-130	2		20
n-Nitrosodi-n-propylamine	104		98		70-130	6		20
Bis(2-ethylhexyl)phthalate	120		114		70-130	5		20
Butyl benzyl phthalate	109		102		70-130	7		20
Di-n-butylphthalate	102		111		70-130	8		20
Di-n-octylphthalate	126		116		70-130	8		20
Diethyl phthalate	91		85		70-130	7		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-07 Batch: WG2086351-2 WG2086351-3								
Dimethyl phthalate	81		81		70-130	0		20
Benzo(a)anthracene	99		93		70-130	6		20
Benzo(a)pyrene	98		93		70-130	5		20
Benzo(b)fluoranthene	103		96		70-130	7		20
Benzo(k)fluoranthene	93		91		70-130	2		20
Chrysene	92		89		70-130	3		20
Acenaphthylene	83		77		70-130	8		20
Anthracene	91		88		70-130	3		20
Benzo(ghi)perylene	92		88		70-130	4		20
Fluorene	85		78		70-130	9		20
Phenanthrene	87		84		70-130	4		20
Dibenzo(a,h)anthracene	93		90		70-130	3		20
Indeno(1,2,3-cd)pyrene	88		87		70-130	1		20
Pyrene	92		89		70-130	3		20
4-Chloroaniline	85		77		20-160	10		20
2-Nitroaniline	89		89		70-130	0		20
3-Nitroaniline	82		75		70-130	9		20
4-Nitroaniline	91		88		70-130	3		20
Dibenzofuran	84		81		70-130	4		20
2-Methylnaphthalene	77		76		70-130	1		20
2,4,6-Trichlorophenol	82		78		70-130	5		20
p-Chloro-m-cresol	99		90		70-130	10		20
2-Chlorophenol	81		77		70-130	5		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-07 Batch: WG2086351-2 WG2086351-3								
2,4-Dichlorophenol	88		87		70-130	1		20
2,4-Dimethylphenol	79		73		70-130	8		20
2-Nitrophenol	84		87		70-130	4		20
4-Nitrophenol	99		95		20-160	4		20
2,4-Dinitrophenol	82		86		20-130	5		20
4,6-Dinitro-o-cresol	91		93		70-130	2		20
Pentachlorophenol	94		87		20-160	8		20
Phenol	48		51		20-160	6		20
2-Methylphenol	88		84		70-130	5		20
2,4,5-Trichlorophenol	89		90		70-130	1		20
Carbazole	96		90		70-130	6		20
4-Bromophenyl phenyl ether	77		75		70-130	3		20
3,3'-Dichlorobenzidine	85		79		70-130	7		20
Benzaldehyde	91		95		20-160	4		20
Acetophenone	93		96		70-130	3		20
Caprolactam	65		59		20-160	10		20
Biphenyl	83		78		70-130	6		20
1,2,4,5-Tetrachlorobenzene	73		68	Q	70-130	7		20
Atrazine	89		88		70-130	1		20
2,3,4,6-Tetrachlorophenol	90		86		70-130	5		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-07 Batch: WG2086351-2 WG2086351-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		62		15-110
Phenol-d6	54		50		15-110
Nitrobenzene-d5	97		94		30-130
2-Fluorobiphenyl	75		71		30-130
2,4,6-Tribromophenol	77		71		15-110
4-Terphenyl-d14	83		78		30-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541428

Project Number: RAMSEY SD

Report Date: 07/10/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05-07 Batch: WG2086352-2 WG2086352-3								
4,6-Dinitro-o-cresol	66	Q	71		70-130	7		20
Benzo(a)anthracene	95		104		70-130	9		20
Benzo(a)pyrene	103		114		70-130	10		20
Benzo(b)fluoranthene	107		117		70-130	9		20
Benzo(k)fluoranthene	93		104		70-130	11		20
Dibenzo(a,h)anthracene	107		117		70-130	9		20
Indeno(1,2,3-cd)pyrene	113		121		70-130	7		20
Hexachlorobenzene	71		77		70-130	8		20
Pentachlorophenol	101		108		20-160	7		20
Hexachlorobutadiene	60	Q	67	Q	70-130	11		20
Hexachloroethane	62	Q	70		70-130	12		20
n-Nitrosodimethylamine	48	Q	54	Q	70-130	12		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		62		15-110
Phenol-d6	41		45		15-110
Nitrobenzene-d5	68		77		30-130
2-Fluorobiphenyl	76		82		30-130
2,4,6-Tribromophenol	77		82		15-110
4-Terphenyl-d14	78		84		30-130

Project Name: RAMSEY SD**Lab Number:** L2541428**Project Number:** RAMSEY SD**Report Date:** 07/10/25**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2541428-01A	Vial HCl preserved	NA	NA			Y	Absent		NJ-8260(14)
L2541428-01B	Vial HCl preserved	NA	NA			Y	Absent		NJ-8260(14)
L2541428-01C	Vial HCl preserved	NA	NA			Y	Absent		NJ-8260(14)
L2541428-01D	Vial Na2S2O3 preserved	NA	NA			Y	Absent		8011(14)
L2541428-01E	Vial Na2S2O3 preserved	NA	NA			Y	Absent		8011(14)
L2541428-02A	Vial HCl preserved	NA	NA			Y	Absent		NJ-8260(14)
L2541428-02B	Vial HCl preserved	NA	NA			Y	Absent		NJ-8260(14)
L2541428-02C	Vial HCl preserved	NA	NA			Y	Absent		NJ-8260(14)
L2541428-02D	Vial Na2S2O3 preserved	NA	NA			Y	Absent		8011(14)
L2541428-02E	Vial Na2S2O3 preserved	NA	NA			Y	Absent		8011(14)
L2541428-03A	Vial HCl preserved	NA	NA			Y	Absent		NJ-8260(14)
L2541428-03B	Vial HCl preserved	NA	NA			Y	Absent		NJ-8260(14)
L2541428-03C	Vial HCl preserved	NA	NA			Y	Absent		NJ-8260(14)
L2541428-03D	Vial Na2S2O3 preserved	NA	NA			Y	Absent		8011(14)
L2541428-03E	Vial Na2S2O3 preserved	NA	NA			Y	Absent		8011(14)
L2541428-04A	Vial HCl preserved	NA	NA			Y	Absent		NJ-8260(14)
L2541428-04B	Vial HCl preserved	NA	NA			Y	Absent		NJ-8260(14)
L2541428-04C	Vial HCl preserved	NA	NA			Y	Absent		NJ-8260(14)
L2541428-04D	Vial Na2S2O3 preserved	NA	NA			Y	Absent		8011(14)
L2541428-04E	Vial Na2S2O3 preserved	NA	NA			Y	Absent		8011(14)
L2541428-05A	Vial HCl preserved	NA	NA			Y	Absent		NJ-8260(14)
L2541428-05B	Vial HCl preserved	NA	NA			Y	Absent		NJ-8260(14)

Project Name: RAMSEY SD**Lab Number:** L2541428**Project Number:** RAMSEY SD**Report Date:** 07/10/25**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2541428-05C	Vial HCl preserved	NA	NA			Y	Absent		NJ-8260(14)
L2541428-05D	Vial Na2S2O3 preserved	NA	NA			Y	Absent		HOLD-504/8011(14)
L2541428-05E	Vial Na2S2O3 preserved	NA	NA			Y	Absent		HOLD-504/8011(14)
L2541428-05F	Amber 100ml unpreserved	NA	NA			Y	Absent		FILTER-EXT(1)
L2541428-05G	Amber 100ml unpreserved	NA	NA			Y	Absent		FILTER-EXT(1)
L2541428-05X	Amber 100ml unpreserved	NA	NA			Y	Absent		NJ-8270-RVT(7),NJ-8270SIM-TECH-RVT(7)
L2541428-05Y	Amber 100ml unpreserved	NA	NA			Y	Absent		NJ-8270-RVT(7),NJ-8270SIM-TECH-RVT(7)
L2541428-06A	Vial HCl preserved	NA	NA			Y	Absent		NJ-8260(14)
L2541428-06B	Vial HCl preserved	NA	NA			Y	Absent		NJ-8260(14)
L2541428-06C	Vial HCl preserved	NA	NA			Y	Absent		NJ-8260(14)
L2541428-06D	Vial Na2S2O3 preserved	NA	NA			Y	Absent		HOLD-504/8011(14)
L2541428-06E	Vial Na2S2O3 preserved	NA	NA			Y	Absent		HOLD-504/8011(14)
L2541428-06F	Amber 100ml unpreserved	NA	NA			Y	Absent		FILTER-EXT(1)
L2541428-06G	Amber 100ml unpreserved	NA	NA			Y	Absent		FILTER-EXT(1)
L2541428-06X	Amber 100ml unpreserved	NA	NA			Y	Absent		NJ-8270-RVT(7),NJ-8270SIM-TECH-RVT(7)
L2541428-06Y	Amber 100ml unpreserved	NA	NA			Y	Absent		NJ-8270-RVT(7),NJ-8270SIM-TECH-RVT(7)
L2541428-07A	Vial HCl preserved	NA	NA			Y	Absent		NJ-8260(14)
L2541428-07B	Vial HCl preserved	NA	NA			Y	Absent		NJ-8260(14)
L2541428-07C	Vial HCl preserved	NA	NA			Y	Absent		NJ-8260(14)
L2541428-07D	Vial Na2S2O3 preserved	NA	NA			Y	Absent		HOLD-504/8011(14)
L2541428-07E	Vial Na2S2O3 preserved	NA	NA			Y	Absent		HOLD-504/8011(14)
L2541428-07F	Amber 100ml unpreserved	NA	NA			Y	Absent		FILTER-EXT(1)
L2541428-07G	Amber 100ml unpreserved	NA	NA			Y	Absent		FILTER-EXT(1)
L2541428-07X	Amber 100ml unpreserved	NA	NA			Y	Absent		NJ-8270-RVT(7),NJ-8270SIM-TECH-RVT(7)
L2541428-07Y	Amber 100ml unpreserved	NA	NA			Y	Absent		NJ-8270-RVT(7),NJ-8270SIM-TECH-RVT(7)

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541428
Report Date: 07/10/25

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: L2541428
Report Date: 07/10/25

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541428
Report Date: 07/10/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where 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.)

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541428
Report Date: 07/10/25

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Pace Analytical Services 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 Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services 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 Pace Analytical Services.

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.



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 27

Published Date: 01/24/2025

Page 1 of 2

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

MADEP-APH.**Nonpotable Water:** EPA RSK-175 Dissolved Gases**Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048**Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)**

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.** **EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

Pace Analytical Services LLCID No.:**17873**Facility: **Northeast**

Revision 27

Department: **Quality Assurance**

Published Date: 01/24/2025

Title: **Certificate/Approval Program Summary**

Page 2 of 2

Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

 NEW JERSEY CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd 7/1/25 in Lab 6		L2541428 PHOENIX - NJ 	
Client Information Client: Phoenix Environmental Mgmt Address: 3525 Quakerbridge Rd, STE 907 Hamilton, NJ 08619 Phone: 609-584-9001 Fax: Email: jphoenixenviro@optonline.net		Project Information Project Name: Ramsey SD Project Location: Ramsey High School Project # (Use Project name as Project #) ☒		Deliverables ☒ NJ Full ☒ Reduced ☐ EQulS (1 File) ☐ EQulS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #		Regulatory Requirement ☐ SRS Residential/Non Residential ☐ SRS Impact to Groundwater ☒ NJ Ground Water Quality Standards ☐ NJ IGW SPLP Leachate Criteria ☐ Other	
Site Information Is this site impacted by Petroleum? Yes ☒ Petroleum Product: Gasoline, Fuel Oil		Turn-Around Time Standard ☐ Due Date: Rush (only if pre approved) ☒ # of Days: 5		ANALYSIS TCL VO+15 1,2-DBE TCL SVO+15 (Filtered) TAL METALS (TOTAL) TAL METALS (DISSOLVED)		Sample Filtration ☐ None ☒ Lab to do ☐ Preservation ☐ Lab to do (Please Specify below)		Sample Specific Comments	
For EPH, selection is REQUIRED: ☐ Category 1 ☐ Category 2		For VOC, selection is REQUIRED: ☐ 1,4-Dioxane ☒ 8011		Other project specific requirements/comments: Please specify Metals or TAL.		ALPHA Lab ID (Lab Use Only)		Sample ID	
Collection Date Time		Sample Matrix		Sampler's Initials		Collection Date Time		Sample ID	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type V V A P P		Preservative B H A C A	
Relinquished By: Jim Barish (Signature) NJSC		Date/Time 7/1/25 15:55 07/01/25 (15:55) 07/01/25 17:05		Received By: (Signature) Paul Mazzella (Signature)		Date/Time 07/01/25 (15:55) 07/01/25 (15:55) 7/1/25 17:05		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.	
Form No: 01-14 (rev. 30-Sept-2013)		Paul Mazzella 7/1/25		7/1/25 22:30		7/1/25 22:30		7/1/25 22:30	



Sample Delivery Group Summary

Pace Job Number : L2541428

Received : 01-JUL-2025

Reviewer : Geoffry Grace

Account Name : Phoenix Environmental

Project Number : RAMSEY SD

Project Name : RAMSEY SD

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.2	
B	Absent/	Ice	4.1	

Condition Information

- | | |
|--|-----|
| 1) All samples on COC received? | YES |
| 2) Extra samples received? | NO |
| 3) Are there any sample container discrepancies? | YES |
| L2541428-05D (HOLD-504/8011) was received in extra container. | |
| L2541428-05E (HOLD-504/8011) was received in extra container. | |
| L2541428-06D (HOLD-504/8011) was received in extra container. | |
| L2541428-06E (HOLD-504/8011) was received in extra container. | |
| L2541428-07D (HOLD-504/8011) was received in extra container. | |
| L2541428-07E (HOLD-504/8011) was received in extra container. | |
| 4) Are there any discrepancies between COC & sample labels? | NO |
| 5) Are samples in appropriate containers for requested analysis? | YES |
| 6) Are samples properly preserved for requested analysis? | YES |
| 7) Are samples within holding time for requested analysis? | YES |
| 8) All sampling equipment returned? | NA |

Volatile Organics/VPH

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| 1) Reagent Water Vials Frozen by Client? | NO |
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