



ANALYTICAL REPORT

Lab Number:	L2540968
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:	07/08/25

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Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2540968
Report Date: 07/08/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2540968-01	HL-1	SOIL	RAMSEY HIGH SCHOOL	06/30/25 10:35	06/30/25
L2540968-02	HL-2	SOIL	RAMSEY HIGH SCHOOL	06/30/25 10:45	06/30/25
L2540968-03	HL-3	SOIL	RAMSEY HIGH SCHOOL	06/30/25 11:10	06/30/25

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2540968
Report Date: 07/08/25

**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)?	YES
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".



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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**Lab Number:** L2540968**Project Number:** RAMSEY SD**Report Date:** 07/08/25**Case Narrative (continued)**

Report Submission

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

DKQP Related Narratives

Volatile Organics

In reference to question 5b:

L2540968-01 and -02: One or more of the target analytes did not achieve the requested regulatory limits.

Semivolatile Organics

In reference to question 4:

WG2086483-2: 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.

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:

**Kelly O'Neill**

Title: Technical Director/Representative

Date: 07/08/25

QC OUTLIER SUMMARY REPORT

Project Name: RAMSEY SD

Lab Number: L2540968

Project Number: RAMSEY SD

Report Date: 07/08/25

Method	Client ID (Native ID)	Lab ID	Parameter	QC Type	Recovery/RPD (%)	QC Limits (%)	Associated Samples	Data Quality Assessment
Semivolatile Organics by GC/MS - Westborough Lab								
8270E	Batch QC	WG2086483-2	Acenaphthene	LCS	67	70-130	01-03	potential low bias
8270E	Batch QC	WG2086483-2	Fluoranthene	LCS	68	70-130	01-03	potential low bias
8270E	Batch QC	WG2086483-2	Naphthalene	LCS	66	70-130	01-03	potential low bias
8270E	Batch QC	WG2086483-2	Benzo(a)anthracene	LCS	68	70-130	01-03	potential low bias
8270E	Batch QC	WG2086483-2	Benzo(a)pyrene	LCS	62	70-130	01-03	potential low bias
8270E	Batch QC	WG2086483-2	Benzo(b)fluoranthene	LCS	63	70-130	01-03	potential low bias
8270E	Batch QC	WG2086483-2	Benzo(k)fluoranthene	LCS	60	70-130	01-03	potential low bias
8270E	Batch QC	WG2086483-2	Chrysene	LCS	67	70-130	01-03	potential low bias
8270E	Batch QC	WG2086483-2	Benzo(ghi)perylene	LCS	68	70-130	01-03	potential low bias
8270E	Batch QC	WG2086483-2	Fluorene	LCS	69	70-130	01-03	potential low bias
8270E	Batch QC	WG2086483-2	Phenanthrene	LCS	68	70-130	01-03	potential low bias
8270E	Batch QC	WG2086483-2	Dibenzo(a,h)anthracene	LCS	64	70-130	01-03	potential low bias
8270E	Batch QC	WG2086483-2	Indeno(1,2,3-cd)pyrene	LCS	67	70-130	01-03	potential low bias
8270E	Batch QC	WG2086483-2	Pyrene	LCS	67	70-130	01-03	potential low bias

ORGANICS

VOLATILES

Project Name: RAMSEY SD**Lab Number:** L2540968**Project Number:** RAMSEY SD**Report Date:** 07/08/25**SAMPLE RESULTS**

Lab ID: L2540968-01
 Client ID: HL-1
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 06/30/25 10:35
 Date Received: 06/30/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 07/06/25 16:42
 Analyst: JIC
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0028	0.00092	1
1,4-Dioxane	ND		mg/kg	0.074	0.032	1
1,2-Dibromoethane	ND		mg/kg	0.00092	0.00026	1
Methylene chloride	ND		mg/kg	0.0046	0.0021	1
1,1-Dichloroethane	ND		mg/kg	0.00092	0.00013	1
Chloroform	ND		mg/kg	0.0014	0.00013	1
Carbon tetrachloride	ND		mg/kg	0.00092	0.00021	1
1,2-Dichloropropane	ND		mg/kg	0.00092	0.00011	1
Dibromochloromethane	ND		mg/kg	0.00092	0.00013	1
1,1,2-Trichloroethane	ND		mg/kg	0.00092	0.00024	1
Tetrachloroethene	ND		mg/kg	0.00046	0.00018	1
Chlorobenzene	ND		mg/kg	0.00046	0.00012	1
Trichlorofluoromethane	ND		mg/kg	0.0037	0.00064	1
1,2-Dichloroethane	ND		mg/kg	0.00092	0.00024	1
1,1,1-Trichloroethane	ND		mg/kg	0.00046	0.00015	1
Bromodichloromethane	ND		mg/kg	0.00046	0.00010	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00092	0.00025	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00046	0.00014	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00046	0.00014	1
Bromoform	ND		mg/kg	0.0037	0.00023	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00046	0.00015	1
Benzene	ND		mg/kg	0.00046	0.00015	1
Toluene	ND		mg/kg	0.00092	0.00050	1
Ethylbenzene	ND		mg/kg	0.00092	0.00013	1
Chloromethane	ND		mg/kg	0.0037	0.00086	1
Bromomethane	ND		mg/kg	0.0018	0.00053	1
Vinyl chloride	ND		mg/kg	0.00092	0.00031	1
Chloroethane	ND		mg/kg	0.0018	0.00042	1

Project Name: RAMSEY SD

Lab Number: L2540968

Project Number: RAMSEY SD

Report Date: 07/08/25

SAMPLE RESULTS

Lab ID: L2540968-01

Date Collected: 06/30/25 10:35

Client ID: HL-1

Date Received: 06/30/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,1-Dichloroethene	ND		mg/kg	0.00092	0.00022	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0014	0.00012	1
Trichloroethene	ND		mg/kg	0.00046	0.00012	1
1,2-Dichlorobenzene	ND		mg/kg	0.0018	0.00013	1
1,3-Dichlorobenzene	ND		mg/kg	0.0018	0.00014	1
1,4-Dichlorobenzene	ND		mg/kg	0.0018	0.00016	1
Methyl tert butyl ether	ND		mg/kg	0.0018	0.00018	1
p/m-Xylene	ND		mg/kg	0.0018	0.00051	1
o-Xylene	ND		mg/kg	0.00092	0.00027	1
Xylenes, Total	ND		mg/kg	0.00092	0.00027	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00092	0.00016	1
1,2-Dichloroethene, Total	ND		mg/kg	0.00092	0.00012	1
Styrene	ND		mg/kg	0.00092	0.00018	1
Dichlorodifluoromethane	ND		mg/kg	0.0092	0.00084	1
Acetone	ND		mg/kg	0.023	0.0092	1
Carbon disulfide	ND		mg/kg	0.0092	0.0042	1
2-Butanone	ND		mg/kg	0.0092	0.0020	1
4-Methyl-2-pentanone	ND		mg/kg	0.0092	0.0012	1
2-Hexanone	ND		mg/kg	0.0092	0.0011	1
Bromochloromethane	ND		mg/kg	0.0018	0.00019	1
Isopropylbenzene	ND		mg/kg	0.00092	0.00010	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0018	0.00030	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0018	0.00025	1
Methyl Acetate	ND		mg/kg	0.0037	0.00087	1
Cyclohexane	ND		mg/kg	0.0092	0.00050	1
Methyl cyclohexane	ND		mg/kg	0.0037	0.00055	1
Freon-113	ND		mg/kg	0.0037	0.00064	1

Tentatively Identified Compounds

Total TIC Compounds	0.002	J	mg/kg	1
Unknown	0.002	J	mg/kg	1



Project Name: RAMSEY SD**Lab Number:** L2540968**Project Number:** RAMSEY SD**Report Date:** 07/08/25**SAMPLE RESULTS**

Lab ID: L2540968-01

Date Collected: 06/30/25 10:35

Client ID: HL-1

Date Received: 06/30/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	91		70-130

Project Name: RAMSEY SD

Lab Number: L2540968

Project Number: RAMSEY SD

Report Date: 07/08/25

SAMPLE RESULTS

Lab ID: L2540968-02
 Client ID: HL-2
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 06/30/25 10:45
 Date Received: 06/30/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 07/06/25 17:08
 Analyst: JIC
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0026	0.00087	1
1,4-Dioxane	ND		mg/kg	0.070	0.031	1
1,2-Dibromoethane	ND		mg/kg	0.00087	0.00024	1
Methylene chloride	ND		mg/kg	0.0044	0.0020	1
1,1-Dichloroethane	ND		mg/kg	0.00087	0.00013	1
Chloroform	ND		mg/kg	0.0013	0.00012	1
Carbon tetrachloride	ND		mg/kg	0.00087	0.00020	1
1,2-Dichloropropane	ND		mg/kg	0.00087	0.00011	1
Dibromochloromethane	ND		mg/kg	0.00087	0.00012	1
1,1,2-Trichloroethane	ND		mg/kg	0.00087	0.00023	1
Tetrachloroethene	ND		mg/kg	0.00044	0.00017	1
Chlorobenzene	ND		mg/kg	0.00044	0.00011	1
Trichlorofluoromethane	ND		mg/kg	0.0035	0.00061	1
1,2-Dichloroethane	ND		mg/kg	0.00087	0.00022	1
1,1,1-Trichloroethane	ND		mg/kg	0.00044	0.00014	1
Bromodichloromethane	ND		mg/kg	0.00044	0.00009	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00087	0.00024	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00044	0.00014	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00044	0.00014	1
Bromoform	ND		mg/kg	0.0035	0.00022	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00044	0.00014	1
Benzene	ND		mg/kg	0.00044	0.00014	1
Toluene	ND		mg/kg	0.00087	0.00047	1
Ethylbenzene	ND		mg/kg	0.00087	0.00012	1
Chloromethane	ND		mg/kg	0.0035	0.00081	1
Bromomethane	ND		mg/kg	0.0017	0.00051	1
Vinyl chloride	ND		mg/kg	0.00087	0.00029	1
Chloroethane	ND		mg/kg	0.0017	0.00040	1



Project Name: RAMSEY SD

Lab Number: L2540968

Project Number: RAMSEY SD

Report Date: 07/08/25

SAMPLE RESULTS

Lab ID: L2540968-02

Date Collected: 06/30/25 10:45

Client ID: HL-2

Date Received: 06/30/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,1-Dichloroethene	ND		mg/kg	0.00087	0.00021	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0013	0.00012	1
Trichloroethene	ND		mg/kg	0.00044	0.00012	1
1,2-Dichlorobenzene	ND		mg/kg	0.0017	0.00012	1
1,3-Dichlorobenzene	ND		mg/kg	0.0017	0.00013	1
1,4-Dichlorobenzene	ND		mg/kg	0.0017	0.00015	1
Methyl tert butyl ether	ND		mg/kg	0.0017	0.00018	1
p/m-Xylene	ND		mg/kg	0.0017	0.00049	1
o-Xylene	ND		mg/kg	0.00087	0.00025	1
Xylenes, Total	ND		mg/kg	0.00087	0.00025	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00087	0.00015	1
1,2-Dichloroethene, Total	ND		mg/kg	0.00087	0.00012	1
Styrene	ND		mg/kg	0.00087	0.00017	1
Dichlorodifluoromethane	ND		mg/kg	0.0087	0.00080	1
Acetone	ND		mg/kg	0.022	0.0087	1
Carbon disulfide	ND		mg/kg	0.0087	0.0040	1
2-Butanone	ND		mg/kg	0.0087	0.0019	1
4-Methyl-2-pentanone	ND		mg/kg	0.0087	0.0011	1
2-Hexanone	ND		mg/kg	0.0087	0.0010	1
Bromochloromethane	ND		mg/kg	0.0017	0.00018	1
Isopropylbenzene	ND		mg/kg	0.00087	0.00009	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0017	0.00028	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0017	0.00024	1
Methyl Acetate	ND		mg/kg	0.0035	0.00083	1
Cyclohexane	ND		mg/kg	0.0087	0.00048	1
Methyl cyclohexane	ND		mg/kg	0.0035	0.00053	1
Freon-113	ND		mg/kg	0.0035	0.00060	1

Tentatively Identified Compounds

Total TIC Compounds	0.002	J	mg/kg	1
Unknown	0.002	J	mg/kg	1

Project Name: RAMSEY SD**Lab Number:** L2540968**Project Number:** RAMSEY SD**Report Date:** 07/08/25**SAMPLE RESULTS**

Lab ID: L2540968-02

Date Collected: 06/30/25 10:45

Client ID: HL-2

Date Received: 06/30/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	90		70-130

Project Name: RAMSEY SD

Lab Number: L2540968

Project Number: RAMSEY SD

Report Date: 07/08/25

SAMPLE RESULTS

Lab ID: L2540968-03
 Client ID: HL-3
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 06/30/25 11:10
 Date Received: 06/30/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 07/06/25 17:34
 Analyst: JIC
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0024	0.00080	1
1,4-Dioxane	ND		mg/kg	0.064	0.028	1
1,2-Dibromoethane	ND		mg/kg	0.00080	0.00022	1
Methylene chloride	ND		mg/kg	0.0040	0.0018	1
1,1-Dichloroethane	ND		mg/kg	0.00080	0.00012	1
Chloroform	ND		mg/kg	0.0012	0.00011	1
Carbon tetrachloride	ND		mg/kg	0.00080	0.00018	1
1,2-Dichloropropane	ND		mg/kg	0.00080	0.00010	1
Dibromochloromethane	ND		mg/kg	0.00080	0.00011	1
1,1,2-Trichloroethane	ND		mg/kg	0.00080	0.00021	1
Tetrachloroethene	ND		mg/kg	0.00040	0.00016	1
Chlorobenzene	ND		mg/kg	0.00040	0.00010	1
Trichlorofluoromethane	ND		mg/kg	0.0032	0.00056	1
1,2-Dichloroethane	ND		mg/kg	0.00080	0.00021	1
1,1,1-Trichloroethane	ND		mg/kg	0.00040	0.00013	1
Bromodichloromethane	ND		mg/kg	0.00040	0.00008	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00080	0.00022	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00040	0.00013	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00040	0.00013	1
Bromoform	ND		mg/kg	0.0032	0.00020	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00040	0.00013	1
Benzene	ND		mg/kg	0.00040	0.00013	1
Toluene	ND		mg/kg	0.00080	0.00044	1
Ethylbenzene	0.00032	J	mg/kg	0.00080	0.00011	1
Chloromethane	ND		mg/kg	0.0032	0.00075	1
Bromomethane	ND		mg/kg	0.0016	0.00046	1
Vinyl chloride	ND		mg/kg	0.00080	0.00027	1
Chloroethane	ND		mg/kg	0.0016	0.00036	1



Project Name: RAMSEY SD

Lab Number: L2540968

Project Number: RAMSEY SD

Report Date: 07/08/25

SAMPLE RESULTS

Lab ID: L2540968-03

Date Collected: 06/30/25 11:10

Client ID: HL-3

Date Received: 06/30/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,1-Dichloroethene	ND		mg/kg	0.00080	0.00019	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0012	0.00011	1
Trichloroethene	ND		mg/kg	0.00040	0.00011	1
1,2-Dichlorobenzene	ND		mg/kg	0.0016	0.00012	1
1,3-Dichlorobenzene	ND		mg/kg	0.0016	0.00012	1
1,4-Dichlorobenzene	ND		mg/kg	0.0016	0.00014	1
Methyl tert butyl ether	ND		mg/kg	0.0016	0.00016	1
p/m-Xylene	0.0015	J	mg/kg	0.0016	0.00045	1
o-Xylene	0.00069	J	mg/kg	0.00080	0.00023	1
Xylenes, Total	0.0022	J	mg/kg	0.00080	0.00023	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00080	0.00014	1
1,2-Dichloroethene, Total	ND		mg/kg	0.00080	0.00011	1
Styrene	ND		mg/kg	0.00080	0.00016	1
Dichlorodifluoromethane	ND		mg/kg	0.0080	0.00073	1
Acetone	ND		mg/kg	0.020	0.0080	1
Carbon disulfide	ND		mg/kg	0.0080	0.0036	1
2-Butanone	ND		mg/kg	0.0080	0.0018	1
4-Methyl-2-pentanone	ND		mg/kg	0.0080	0.0010	1
2-Hexanone	ND		mg/kg	0.0080	0.00095	1
Bromochloromethane	ND		mg/kg	0.0016	0.00016	1
Isopropylbenzene	ND		mg/kg	0.00080	0.00008	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0016	0.00026	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0016	0.00022	1
Methyl Acetate	ND		mg/kg	0.0032	0.00076	1
Cyclohexane	ND		mg/kg	0.0080	0.00044	1
Methyl cyclohexane	ND		mg/kg	0.0032	0.00048	1
Freon-113	ND		mg/kg	0.0032	0.00056	1

Tentatively Identified Compounds

Total TIC Compounds	0.002	J	mg/kg	1
Unknown	0.002	J	mg/kg	1



Project Name: RAMSEY SD**Lab Number:** L2540968**Project Number:** RAMSEY SD**Report Date:** 07/08/25**SAMPLE RESULTS**

Lab ID: L2540968-03

Date Collected: 06/30/25 11:10

Client ID: HL-3

Date Received: 06/30/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	89		70-130

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2540968
Report Date: 07/08/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 07/06/25 09:21
 Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG2087495-5					
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0030	0.0010
1,4-Dioxane	ND		mg/kg	0.080	0.035
1,2-Dibromoethane	ND		mg/kg	0.0010	0.00028
Methylene chloride	ND		mg/kg	0.0050	0.0023
1,1-Dichloroethane	ND		mg/kg	0.0010	0.00014
Chloroform	ND		mg/kg	0.0015	0.00014
Carbon tetrachloride	ND		mg/kg	0.0010	0.00023
1,2-Dichloropropane	ND		mg/kg	0.0010	0.00012
Dibromochloromethane	ND		mg/kg	0.0010	0.00014
1,1,2-Trichloroethane	ND		mg/kg	0.0010	0.00027
Tetrachloroethene	ND		mg/kg	0.00050	0.00020
Chlorobenzene	ND		mg/kg	0.00050	0.00013
Trichlorofluoromethane	ND		mg/kg	0.0040	0.00070
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00026
1,1,1-Trichloroethane	ND		mg/kg	0.00050	0.00017
Bromodichloromethane	ND		mg/kg	0.00050	0.00011
trans-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00027
cis-1,3-Dichloropropene	ND		mg/kg	0.00050	0.00016
1,3-Dichloropropene, Total	ND		mg/kg	0.00050	0.00016
Bromoform	ND		mg/kg	0.0040	0.00025
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00050	0.00017
Benzene	ND		mg/kg	0.00050	0.00017
Toluene	ND		mg/kg	0.0010	0.00054
Ethylbenzene	ND		mg/kg	0.0010	0.00014
Chloromethane	ND		mg/kg	0.0040	0.00093
Bromomethane	ND		mg/kg	0.0020	0.00058
Vinyl chloride	ND		mg/kg	0.0010	0.00034
Chloroethane	ND		mg/kg	0.0020	0.00045
1,1-Dichloroethene	ND		mg/kg	0.0010	0.00024



Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2540968
Report Date: 07/08/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/06/25 09:21
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG2087495-5					
trans-1,2-Dichloroethene	ND		mg/kg	0.0015	0.00014
Trichloroethene	ND		mg/kg	0.00050	0.00014
1,2-Dichlorobenzene	ND		mg/kg	0.0020	0.00014
1,3-Dichlorobenzene	ND		mg/kg	0.0020	0.00015
1,4-Dichlorobenzene	ND		mg/kg	0.0020	0.00017
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00020
p/m-Xylene	ND		mg/kg	0.0020	0.00056
o-Xylene	ND		mg/kg	0.0010	0.00029
Xylenes, Total	ND		mg/kg	0.0010	0.00029
cis-1,2-Dichloroethene	ND		mg/kg	0.0010	0.00018
1,2-Dichloroethene, Total	ND		mg/kg	0.0010	0.00014
Styrene	ND		mg/kg	0.0010	0.00020
Dichlorodifluoromethane	ND		mg/kg	0.010	0.00092
Acetone	ND		mg/kg	0.025	0.010
Carbon disulfide	ND		mg/kg	0.010	0.0046
2-Butanone	ND		mg/kg	0.010	0.0022
4-Methyl-2-pentanone	ND		mg/kg	0.010	0.0013
2-Hexanone	ND		mg/kg	0.010	0.0012
Bromochloromethane	ND		mg/kg	0.0020	0.00020
Isopropylbenzene	ND		mg/kg	0.0010	0.00011
1,2,3-Trichlorobenzene	ND		mg/kg	0.0020	0.00032
1,2,4-Trichlorobenzene	ND		mg/kg	0.0020	0.00027
Methyl Acetate	ND		mg/kg	0.0040	0.00095
Cyclohexane	ND		mg/kg	0.010	0.00054
Methyl cyclohexane	ND		mg/kg	0.0040	0.00060
Freon-113	ND		mg/kg	0.0040	0.00069



Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2540968
Report Date: 07/08/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 07/06/25 09:21
 Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG2087495-5					

Tentatively Identified Compounds

Total TIC Compounds	0.002	J	mg/kg	
Unknown	0.002	J	mg/kg	

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	89		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2540968

Project Number: RAMSEY SD

Report Date: 07/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG2087495-3 WG2087495-4								
1,2-Dibromo-3-chloropropane	77		76		40-160	1		30
1,4-Dioxane	81		67		40-160	19		30
1,2-Dibromoethane	90		90		70-130	0		30
Methylene chloride	77		73		70-130	5		30
1,1-Dichloroethane	87		80		70-130	8		30
Chloroform	90		84		70-130	7		30
Carbon tetrachloride	90		81		70-130	11		30
1,2-Dichloropropane	87		82		70-130	6		30
Dibromochloromethane	86		86		70-130	0		30
1,1,2-Trichloroethane	85		84		70-130	1		30
Tetrachloroethene	98		92		70-130	6		30
Chlorobenzene	91		86		70-130	6		30
Trichlorofluoromethane	107		91		40-160	16		30
1,2-Dichloroethane	82		80		70-130	2		30
1,1,1-Trichloroethane	95		87		70-130	9		30
Bromodichloromethane	90		86		70-130	5		30
trans-1,3-Dichloropropene	87		85		70-130	2		30
cis-1,3-Dichloropropene	94		89		40-160	5		30
Bromoform	83		84		40-160	1		30
1,1,2,2-Tetrachloroethane	79		81		40-160	3		30
Benzene	92		86		70-130	7		30
Toluene	89		82		70-130	8		30
Ethylbenzene	94		87		70-130	8		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2540968

Project Number: RAMSEY SD

Report Date: 07/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG2087495-3 WG2087495-4								
Chloromethane	83		72		40-160	14		30
Bromomethane	110		98		40-160	12		30
Vinyl chloride	85		75		70-130	13		30
Chloroethane	89		80		40-160	11		30
1,1-Dichloroethene	92		82		70-130	11		30
trans-1,2-Dichloroethene	90		83		70-130	8		30
Trichloroethene	93		87		70-130	7		30
1,2-Dichlorobenzene	88		86		70-130	2		30
1,3-Dichlorobenzene	92		89		70-130	3		30
1,4-Dichlorobenzene	90		86		70-130	5		30
Methyl tert butyl ether	84		81		70-130	4		30
p/m-Xylene	96		89		70-130	8		30
o-Xylene	93		88		70-130	6		30
cis-1,2-Dichloroethene	91		85		70-130	7		30
Styrene	96		92		40-160	4		30
Dichlorodifluoromethane	76		66		40-160	14		30
Acetone	85		88		40-160	3		30
Carbon disulfide	83		75		40-160	10		30
2-Butanone	77		76		40-160	1		30
4-Methyl-2-pentanone	75		76		40-160	1		30
2-Hexanone	71		72		40-160	1		30
Bromochloromethane	88		84		70-130	5		30
Isopropylbenzene	93		87		70-130	7		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2540968

Project Number: RAMSEY SD

Report Date: 07/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG2087495-3 WG2087495-4								
1,2,3-Trichlorobenzene	81		87		70-130	7		30
1,2,4-Trichlorobenzene	95		96		70-130	1		30
Methyl Acetate	78		76		70-130	3		30
Cyclohexane	82		73		70-130	12		30
Methyl cyclohexane	88		81		70-130	8		30
Freon-113	91		82		70-130	10		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		87		70-130
Toluene-d8	91		91		70-130
4-Bromofluorobenzene	85		86		70-130
Dibromofluoromethane	93		94		70-130

SEMIVOLATILES

Project Name: RAMSEY SD

Lab Number: L2540968

Project Number: RAMSEY SD

Report Date: 07/08/25

SAMPLE RESULTS

Lab ID: L2540968-01
 Client ID: HL-1
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 06/30/25 10:35
 Date Received: 06/30/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 07/03/25 17:08
 Analyst: LJG
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 07/02/25 22:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		mg/kg	0.15	0.015	1
2-Chloronaphthalene	ND		mg/kg	0.18	0.018	1
Fluoranthene	ND		mg/kg	0.11	0.021	1
Naphthalene	ND		mg/kg	0.18	0.022	1
Benzo(a)anthracene	ND		mg/kg	0.062	0.021	1
Benzo(a)pyrene	ND		mg/kg	0.14	0.045	1
Benzo(b)fluoranthene	ND		mg/kg	0.046	0.015	1
Benzo(k)fluoranthene	ND		mg/kg	0.039	0.013	1
Chrysene	ND		mg/kg	0.11	0.019	1
Acenaphthylene	ND		mg/kg	0.15	0.021	1
Anthracene	ND		mg/kg	0.11	0.016	1
Benzo(ghi)perylene	ND		mg/kg	0.15	0.022	1
Fluorene	ND		mg/kg	0.18	0.018	1
Phenanthrene	ND		mg/kg	0.11	0.013	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.064	0.021	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.077	0.026	1
Pyrene	ND		mg/kg	0.11	0.016	1
2-Methylnaphthalene	ND		mg/kg	0.22	0.020	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	57		30-130
2-Fluorobiphenyl	70		30-130
4-Terphenyl-d14	77		30-130

Project Name: RAMSEY SD**Lab Number:** L2540968**Project Number:** RAMSEY SD**Report Date:** 07/08/25**SAMPLE RESULTS**

Lab ID: L2540968-02
 Client ID: HL-2
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 06/30/25 10:45
 Date Received: 06/30/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 07/03/25 17:31
 Analyst: LJG
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 07/02/25 22:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		mg/kg	0.15	0.016	1
2-Chloronaphthalene	ND		mg/kg	0.19	0.018	1
Fluoranthene	ND		mg/kg	0.11	0.021	1
Naphthalene	ND		mg/kg	0.19	0.023	1
Benzo(a)anthracene	ND		mg/kg	0.063	0.021	1
Benzo(a)pyrene	ND		mg/kg	0.14	0.046	1
Benzo(b)fluoranthene	ND		mg/kg	0.047	0.016	1
Benzo(k)fluoranthene	ND		mg/kg	0.039	0.013	1
Chrysene	ND		mg/kg	0.11	0.019	1
Acenaphthylene	ND		mg/kg	0.15	0.021	1
Anthracene	ND		mg/kg	0.11	0.017	1
Benzo(ghi)perylene	ND		mg/kg	0.15	0.022	1
Fluorene	ND		mg/kg	0.19	0.018	1
Phenanthrene	ND		mg/kg	0.11	0.013	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.065	0.022	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.078	0.026	1
Pyrene	ND		mg/kg	0.11	0.016	1
2-Methylnaphthalene	ND		mg/kg	0.22	0.020	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	60		30-130
2-Fluorobiphenyl	76		30-130
4-Terphenyl-d14	79		30-130

Project Name: RAMSEY SD**Lab Number:** L2540968**Project Number:** RAMSEY SD**Report Date:** 07/08/25**SAMPLE RESULTS**

Lab ID: L2540968-03
 Client ID: HL-3
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 06/30/25 11:10
 Date Received: 06/30/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 07/03/25 17:54
 Analyst: LJG
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 07/02/25 22:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		mg/kg	0.15	0.015	1
2-Chloronaphthalene	ND		mg/kg	0.18	0.018	1
Fluoranthene	0.059	J	mg/kg	0.11	0.021	1
Naphthalene	ND		mg/kg	0.18	0.022	1
Benzo(a)anthracene	0.031	J	mg/kg	0.062	0.021	1
Benzo(a)pyrene	ND		mg/kg	0.14	0.045	1
Benzo(b)fluoranthene	0.032	J	mg/kg	0.046	0.015	1
Benzo(k)fluoranthene	ND		mg/kg	0.039	0.013	1
Chrysene	0.028	J	mg/kg	0.11	0.019	1
Acenaphthylene	ND		mg/kg	0.15	0.021	1
Anthracene	ND		mg/kg	0.11	0.016	1
Benzo(ghi)perylene	ND		mg/kg	0.15	0.022	1
Fluorene	ND		mg/kg	0.18	0.018	1
Phenanthrene	0.029	J	mg/kg	0.11	0.013	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.064	0.021	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.077	0.026	1
Pyrene	0.050	J	mg/kg	0.11	0.016	1
2-Methylnaphthalene	ND		mg/kg	0.22	0.020	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	56		30-130
2-Fluorobiphenyl	76		30-130
4-Terphenyl-d14	82		30-130

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2540968
Report Date: 07/08/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/03/25 09:29
Analyst: SMZ

Extraction Method: EPA 3546
Extraction Date: 07/02/25 22:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG2086483-1					
Acenaphthene	ND		mg/kg	0.13	0.014
2-Chloronaphthalene	ND		mg/kg	0.16	0.016
Fluoranthene	ND		mg/kg	0.098	0.019
Naphthalene	ND		mg/kg	0.16	0.020
Benzo(a)anthracene	ND		mg/kg	0.055	0.018
Benzo(a)pyrene	ND		mg/kg	0.12	0.040
Benzo(b)fluoranthene	ND		mg/kg	0.041	0.014
Benzo(k)fluoranthene	ND		mg/kg	0.034	0.011
Chrysene	ND		mg/kg	0.098	0.017
Acenaphthylene	ND		mg/kg	0.13	0.018
Anthracene	ND		mg/kg	0.098	0.015
Benzo(ghi)perylene	ND		mg/kg	0.13	0.019
Fluorene	ND		mg/kg	0.16	0.016
Phenanthrene	ND		mg/kg	0.098	0.012
Dibenzo(a,h)anthracene	ND		mg/kg	0.057	0.019
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.069	0.023
Pyrene	ND		mg/kg	0.098	0.014
2-Methylnaphthalene	ND		mg/kg	0.20	0.017

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	83		30-130
2-Fluorobiphenyl	80		30-130
4-Terphenyl-d14	79		30-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2540968

Project Number: RAMSEY SD

Report Date: 07/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG2086483-2 WG2086483-3								
Acenaphthene	67	Q	78		70-130	15		30
2-Chloronaphthalene	72		86		70-130	18		30
Fluoranthene	68	Q	83		70-130	20		30
Naphthalene	66	Q	78		70-130	17		30
Benzo(a)anthracene	68	Q	80		70-130	16		30
Benzo(a)pyrene	62	Q	74		70-130	18		30
Benzo(b)fluoranthene	63	Q	71		70-130	12		30
Benzo(k)fluoranthene	60	Q	75		70-130	22		30
Chrysene	67	Q	81		70-130	19		30
Acenaphthylene	73		86		70-130	16		30
Anthracene	70		83		70-130	17		30
Benzo(ghi)perylene	68	Q	83		70-130	20		30
Fluorene	69	Q	81		70-130	16		30
Phenanthrene	68	Q	82		70-130	19		30
Dibenzo(a,h)anthracene	64	Q	82		70-130	25		30
Indeno(1,2,3-cd)pyrene	67	Q	80		70-130	18		30
Pyrene	67	Q	82		70-130	20		30
2-Methylnaphthalene	70		83		70-130	17		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2540968

Project Number: RAMSEY SD

Report Date: 07/08/25

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): 01-03 Batch: WG2086483-2 WG2086483-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	73		92		30-130
2-Fluorobiphenyl	67		82		30-130
4-Terphenyl-d14	62		75		30-130

PETROLEUM HYDROCARBONS

Project Name: RAMSEY SD**Lab Number:** L2540968**Project Number:** RAMSEY SD**Report Date:** 07/08/25**SAMPLE RESULTS**

Lab ID: L2540968-01
 Client ID: HL-1
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 06/30/25 10:35
 Date Received: 06/30/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 103,NJDEP EPH
 Analytical Date: 07/03/25 13:08
 Analyst: CRE
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 07/02/25 21:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	25.8	25.8	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Chloro-Octadecane	88			40-140		
o-Terphenyl	88			40-140		

Project Name: RAMSEY SD**Lab Number:** L2540968**Project Number:** RAMSEY SD**Report Date:** 07/08/25**SAMPLE RESULTS**

Lab ID: L2540968-02
 Client ID: HL-2
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 06/30/25 10:45
 Date Received: 06/30/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 103,NJDEP EPH
 Analytical Date: 07/03/25 13:44
 Analyst: CRE
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 07/02/25 21:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	26.4	26.4	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Chloro-Octadecane	90			40-140		
o-Terphenyl	90			40-140		

Project Name: RAMSEY SD**Lab Number:** L2540968**Project Number:** RAMSEY SD**Report Date:** 07/08/25**SAMPLE RESULTS**

Lab ID: L2540968-03
 Client ID: HL-3
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 06/30/25 11:10
 Date Received: 06/30/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 103,NJDEP EPH
 Analytical Date: 07/03/25 12:33
 Analyst: CRE
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 07/02/25 21:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	26.1	26.1	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Chloro-Octadecane	90			40-140		
o-Terphenyl	91			40-140		

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2540968
Report Date: 07/08/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 07/03/25 10:10
Analyst: CRE

Extraction Method: EPA 3546
Extraction Date: 07/02/25 21:56

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 01-03 Batch: WG2086480-1					
Total EPH	ND		mg/kg	23.3	23.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	93		40-140
o-Terphenyl	94		40-140

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2540968

Project Number: RAMSEY SD

Report Date: 07/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-03 Batch: WG2086480-2 WG2086480-3								
Total EPH	105		107		40-140	2		25
Nonane (C9)	91		92		40-140	1		25
Decane (C10)	93		94		40-140	1		25
Dodecane (C12)	93		93		40-140	0		25
Tetradecane (C14)	90		91		40-140	1		25
Hexadecane (C16)	93		93		40-140	0		25
Octadecane (C18)	91		92		40-140	1		25
Eicosane (C20)	92		93		40-140	1		25
Heneicosane (C21)	94		96		40-140	2		25
Docosane (C22)	94		95		40-140	1		25
Tetracosane (C24)	96		97		40-140	1		25
Hexacosane (C26)	97		97		40-140	0		25
Octacosane (C28)	97		98		40-140	1		25
Triacontane (C30)	98		98		40-140	0		25
Dotriacontane (C32)	100		100		40-140	0		25
Tetratriacontane (C34)	97		98		40-140	1		25
Hexatriacontane (C36)	98		102		40-140	4		25
Octatriacontane (C38)	95		100		40-140	5		25
Tetracontane (C40)	96		102		40-140	6		25

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2540968

Project Number: RAMSEY SD

Report Date: 07/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-03 Batch: WG2086480-2 WG2086480-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	94		92		40-140
o-Terphenyl	92		90		40-140

Matrix Spike Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2540968

Project Number: RAMSEY SD

Report Date: 07/08/25

<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>
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG2086480-4 QC Sample: L2541020-03 Client ID: MS Sample												
Total EPH	ND	338	378	112		-	-		40-140	-		50
Nonane (C9)	ND	9.39	9.60	102		-	-		40-140	-		50
Decane (C10)	ND	9.39	9.60	102		-	-		40-140	-		50
Dodecane (C12)	ND	9.39	9.31	99		-	-		40-140	-		50
Tetradecane (C14)	ND	9.39	9.08	97		-	-		40-140	-		50
Hexadecane (C16)	ND	9.39	9.18	98		-	-		40-140	-		50
Octadecane (C18)	ND	9.39	9.09	97		-	-		40-140	-		50
Eicosane (C20)	ND	9.39	9.18	98		-	-		40-140	-		50
Heneicosane (C21)	ND	9.39	9.44	101		-	-		40-140	-		50
Docosane (C22)	ND	9.39	9.42	100		-	-		40-140	-		50
Tetracosane (C24)	ND	9.39	9.56	102		-	-		40-140	-		50
Hexacosane (C26)	ND	9.39	9.56	102		-	-		40-140	-		50
Octacosane (C28)	ND	9.39	9.64	103		-	-		40-140	-		50
Triacontane (C30)	ND	9.39	9.65	103		-	-		40-140	-		50
Dotriacontane (C32)	ND	9.39	9.87	105		-	-		40-140	-		50
Tetratriacontane (C34)	ND	9.39	9.68	103		-	-		40-140	-		50
Hexatriacontane (C36)	ND	9.39	9.93	106		-	-		40-140	-		50
Octatriacontane (C38)	ND	9.39	9.67	103		-	-		40-140	-		50
Tetracontane (C40)	ND	9.39	9.91	106		-	-		40-140	-		50

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
Chloro-Octadecane	98				40-140

Matrix Spike Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2540968

Project Number: RAMSEY SD

Report Date: 07/08/25

<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>
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NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG2086480-4 QC Sample: L2541020-03
 Client ID: MS Sample

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
o-Terphenyl	95				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2540968
Report Date: 07/08/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG2086480-5 QC Sample: L2541020-03 Client ID: DUP Sample						
Total EPH	ND	ND	mg/kg	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	93		70		40-140
o-Terphenyl	93		69		40-140



INORGANICS & MISCELLANEOUS

Project Name: RAMSEY SD**Project Number:** RAMSEY SD**Lab Number:** L2540968**Report Date:** 07/08/25**SAMPLE RESULTS****Lab ID:** L2540968-01**Client ID:** HL-1**Sample Location:** RAMSEY HIGH SCHOOL**Date Collected:** 06/30/25 10:35**Date Received:** 06/30/25**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	07/02/25 08:04	121,2540G	RJF



Project Name: RAMSEY SD**Project Number:** RAMSEY SD**Lab Number:** L2540968**Report Date:** 07/08/25**SAMPLE RESULTS****Lab ID:** L2540968-02**Client ID:** HL-2**Sample Location:** RAMSEY HIGH SCHOOL**Date Collected:** 06/30/25 10:45**Date Received:** 06/30/25**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.0		%	0.100	NA	1	-	07/02/25 08:04	121,2540G	RJF



Project Name: RAMSEY SD**Project Number:** RAMSEY SD**Lab Number:** L2540968**Report Date:** 07/08/25**SAMPLE RESULTS****Lab ID:** L2540968-03**Client ID:** HL-3**Sample Location:** RAMSEY HIGH SCHOOL**Date Collected:** 06/30/25 11:10**Date Received:** 06/30/25**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.2		%	0.100	NA	1	-	07/02/25 08:04	121,2540G	RJF



Project Name: RAMSEY SD**Lab Number:** L2540968**Project Number:** RAMSEY SD**Report Date:** 07/08/25**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2540968-01A	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540968-01B	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540968-01C	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540968-01D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2540968-01E	Glass 250ml/8oz unpreserved	NA	NA			Y	Absent		NJEPH-TPH-CAT2(14),NJ-PAH(14)
L2540968-01X	Vial MeOH preserved split	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540968-01Y	Vial Water preserved split	NA	NA			Y	Absent	02-JUL-25 08:27	NJ-8260HLW(14)
L2540968-01Z	Vial Water preserved split	NA	NA			Y	Absent	02-JUL-25 08:27	NJ-8260HLW(14)
L2540968-02A	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540968-02B	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540968-02C	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540968-02D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2540968-02E	Glass 250ml/8oz unpreserved	NA	NA			Y	Absent		NJEPH-TPH-CAT2(14),NJ-PAH(14)
L2540968-02X	Vial MeOH preserved split	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540968-02Y	Vial Water preserved split	NA	NA			Y	Absent	02-JUL-25 08:27	NJ-8260HLW(14)
L2540968-02Z	Vial Water preserved split	NA	NA			Y	Absent	02-JUL-25 08:27	NJ-8260HLW(14)
L2540968-03A	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540968-03B	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540968-03C	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540968-03D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2540968-03E	Glass 250ml/8oz unpreserved	NA	NA			Y	Absent		NJEPH-TPH-CAT2(14),NJ-PAH(14)
L2540968-03X	Vial MeOH preserved split	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540968-03Y	Vial Water preserved split	NA	NA			Y	Absent	02-JUL-25 08:27	NJ-8260HLW(14)

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Serial_No:07082515:31
Lab Number: L2540968
Report Date: 07/08/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2540968-03Z	Vial Water preserved split	NA	NA			Y	Absent	02-JUL-25 08:27	NJ-8260HLW(14)

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2540968
Report Date: 07/08/25

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: L2540968
Report Date: 07/08/25

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**Lab Number:** L2540968**Project Number:** RAMSEY SD**Report Date:** 07/08/25**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**Lab Number:** L2540968**Project Number:** RAMSEY SD**Report Date:** 07/08/25

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

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**

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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, **LCHAT 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**

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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.



Sample Delivery Group Summary

Pace Job Number : L2540968

Received : 30-JUN-2025

Reviewer : Harmony Evans

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	3.1	

Condition Information

- | | |
|--|-----|
| 1) All samples on COC received? | YES |
| 2) Extra samples received? | NO |
| 3) Are there any sample container discrepancies? | NO |
| 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

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