



ANALYTICAL REPORT

Lab Number:	L2541647
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:	07/15/25

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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: L2541647
Report Date: 07/15/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2541647-01	SW-E1-2	SOIL	RAMSEY HIGH SCHOOL	07/02/25 12:30	07/02/25
L2541647-02	A3-1.5	SOIL	RAMSEY HIGH SCHOOL	07/02/25 09:45	07/02/25
L2541647-03	ST-W1	SOIL	RAMSEY HIGH SCHOOL	07/02/25 11:50	07/02/25
L2541647-04	CP001-1	SOIL	RAMSEY HIGH SCHOOL	07/02/25 11:40	07/02/25

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541647
Report Date: 07/15/25

**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?	YES

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1a or #1b is "No", the data package does not meet the requirements for "Data of Known Quality".



Project Name: RAMSEY SD
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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
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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:

L2541647-01, -02, -03, and -04: One or more of the target analytes did not achieve the requested regulatory limits.

In reference to question 4:

WG2090278-3: One or more compounds failed to meet the DKQP recovery and/or RPD limits. Please refer to the QC section of the report for specific details.

SPLP Volatiles

In reference to question 5b:

L2541647-03 and -04: One or more of the target analytes did not achieve the requested regulatory limits.

Semivolatile Organics

In reference to question 4:

WG2087117-2/-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.

SPLP Semivolatiles by SIM

In reference to question 4:

WG2087769-1: One or more surrogates failed to meet the DKQP recovery limits. Please refer to the sample results and/or QC section of the report for specific details.

Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25**Case Narrative (continued)**

WG2087769-2: 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.

Total Metals

L2541647-02, -03, and -04: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

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

Authorized Signature: Melissa Sturgis**Title:** Technical Director/Representative**Date:** 07/15/25

QC OUTLIER SUMMARY REPORT

Project Name: RAMSEY SD

Project Number: RAMSEY SD

Lab Number: L2541647

Report Date: 07/15/25

Method	Client ID (Native ID)	Lab ID	Parameter	QC Type	Recovery/RPD (%)	QC Limits (%)	Associated Samples	Data Quality Assessment
Volatile Organics by EPA 5035 Low - Westborough Lab								
8260D	Batch QC	WG2090278-3	Freon-113	LCS	132	70-130	01-04	potential high bias
SPLP Semivolatile Organics by EPA 1312 - Westborough Lab								
8270E-SIM	Laboratory Method BI	WG2087769-1	2,4,6-Tribromophenol	Surrogate	115	15-110	-	potential high bias
8270E-SIM	Batch QC	WG2087769-2	Indeno(1,2,3-cd)Pyrene	LCS	139	70-130	04	potential high bias
Semivolatile Organics by GC/MS - Westborough Lab								
8270E	Batch QC	WG2087117-3	Acenaphthene	LCSD	67	70-130	02	potential low bias
8270E	Batch QC	WG2087117-3	Hexachlorobenzene	LCSD	65	70-130	02	potential low bias
8270E	Batch QC	WG2087117-3	Bis(2-chloroethyl)ether	LCSD	69	70-130	02	potential low bias
8270E	Batch QC	WG2087117-3	3,3'-Dichlorobenzidine	LCSD	67	70-130	02	potential low bias
8270E	Batch QC	WG2087117-3	4-Chlorophenyl phenyl ether	LCSD	68	70-130	02	potential low bias
8270E	Batch QC	WG2087117-3	Hexachlorobutadiene	LCSD	31	30	02	non-directional bias
8270E	Batch QC	WG2087117-3	Hexachlorobutadiene	LCSD	67	70-130	02	potential low bias
8270E	Batch QC	WG2087117-3	Hexachlorocyclopentadiene	LCSD	31	30	02	non-directional bias
8270E	Batch QC	WG2087117-3	Naphthalene	LCSD	31	30	02	non-directional bias
8270E	Batch QC	WG2087117-3	Naphthalene	LCSD	66	70-130	02	potential low bias
8270E	Batch QC	WG2087117-3	Benzo(a)pyrene	LCSD	32	30	02	non-directional bias
8270E	Batch QC	WG2087117-3	Benzo(a)pyrene	LCSD	64	70-130	02	potential low bias
8270E	Batch QC	WG2087117-3	Benzo(b)fluoranthene	LCSD	37	30	02	non-directional bias
8270E	Batch QC	WG2087117-3	Benzo(b)fluoranthene	LCSD	62	70-130	02	potential low bias
8270E	Batch QC	WG2087117-3	Benzo(k)fluoranthene	LCSD	65	70-130	02	potential low bias
8270E	Batch QC	WG2087117-3	Chrysene	LCSD	69	70-130	02	potential low bias
8270E	Batch QC	WG2087117-3	Anthracene	LCSD	69	70-130	02	potential low bias
8270E	Batch QC	WG2087117-3	Benzo(ghi)perylene	LCSD	32	30	02	non-directional bias
8270E	Batch QC	WG2087117-3	Fluorene	LCSD	69	70-130	02	potential low bias
8270E	Batch QC	WG2087117-3	Phenanthrene	LCSD	68	70-130	02	potential low bias
8270E	Batch QC	WG2087117-3	Pyrene	LCSD	69	70-130	02	potential low bias
8270E	Batch QC	WG2087117-3	Dibenzofuran	LCSD	68	70-130	02	potential low bias
8270E	Batch QC	WG2087117-3	2-Methylnaphthalene	LCSD	31	30	02	non-directional bias

QC OUTLIER SUMMARY REPORT

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Method	Client ID (Native ID)	Lab ID	Parameter	QC Type	Recovery/RPD (%)	QC Limits (%)	Associated Samples	Data Quality Assessment
8270E	Batch QC	WG2087117-3	2-Methylnaphthalene	LCSD	69	70-130	02	potential low bias
8270E	Batch QC	WG2087117-3	4-Bromophenyl phenyl ether	LCSD	68	70-130	02	potential low bias
SPLP Metals by EPA 1312 - Mansfield Lab								
6020B	Batch QC (L2541647-03)	WG2088702-3	Iron, SPLP	MS	133	80-120	03-04	potential high bias
6020B	Batch QC (L2541647-03)	WG2088702-3	Sodium, SPLP	MS	123	80-120	03-04	potential high bias

ORGANICS

VOLATILES

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

SAMPLE RESULTS

Lab ID: L2541647-01
 Client ID: SW-E1-2
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/02/25 12:30
 Date Received: 07/02/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 07/12/25 15:59
 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	0.00095	1
1,4-Dioxane	ND		mg/kg	0.076	0.033	1
1,2-Dibromoethane	ND		mg/kg	0.00095	0.00026	1
Methylene chloride	ND		mg/kg	0.0047	0.0022	1
1,1-Dichloroethane	ND		mg/kg	0.00095	0.00014	1
Chloroform	ND		mg/kg	0.0014	0.00013	1
Carbon tetrachloride	ND		mg/kg	0.00095	0.00022	1
1,2-Dichloropropane	ND		mg/kg	0.00095	0.00012	1
Dibromochloromethane	ND		mg/kg	0.00095	0.00013	1
1,1,2-Trichloroethane	ND		mg/kg	0.00095	0.00025	1
Tetrachloroethene	ND		mg/kg	0.00047	0.00019	1
Chlorobenzene	ND		mg/kg	0.00047	0.00012	1
Trichlorofluoromethane	ND		mg/kg	0.0038	0.00066	1
1,2-Dichloroethane	ND		mg/kg	0.00095	0.00024	1
1,1,1-Trichloroethane	ND		mg/kg	0.00047	0.00016	1
Bromodichloromethane	ND		mg/kg	0.00047	0.00010	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00095	0.00026	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00047	0.00015	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00047	0.00015	1
Bromoform	ND		mg/kg	0.0038	0.00023	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00047	0.00016	1
Benzene	ND		mg/kg	0.00047	0.00016	1
Toluene	ND		mg/kg	0.00095	0.00052	1
Ethylbenzene	ND		mg/kg	0.00095	0.00013	1
Chloromethane	ND		mg/kg	0.0038	0.00088	1
Bromomethane	ND		mg/kg	0.0019	0.00055	1
Vinyl chloride	ND		mg/kg	0.00095	0.00032	1
Chloroethane	ND		mg/kg	0.0019	0.00043	1

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

SAMPLE RESULTS

Lab ID: L2541647-01

Date Collected: 07/02/25 12:30

Client ID: SW-E1-2

Date Received: 07/02/25

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	0.00095	0.00022	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0014	0.00013	1
Trichloroethene	ND		mg/kg	0.00047	0.00013	1
1,2-Dichlorobenzene	ND		mg/kg	0.0019	0.00014	1
1,3-Dichlorobenzene	ND		mg/kg	0.0019	0.00014	1
1,4-Dichlorobenzene	ND		mg/kg	0.0019	0.00016	1
Methyl tert butyl ether	ND		mg/kg	0.0019	0.00019	1
p/m-Xylene	ND		mg/kg	0.0019	0.00053	1
o-Xylene	ND		mg/kg	0.00095	0.00028	1
Xylenes, Total	ND		mg/kg	0.00095	0.00028	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00095	0.00017	1
1,2-Dichloroethene, Total	ND		mg/kg	0.00095	0.00013	1
Styrene	ND		mg/kg	0.00095	0.00019	1
Dichlorodifluoromethane	ND		mg/kg	0.0095	0.00087	1
Acetone	ND		mg/kg	0.024	0.0095	1
Carbon disulfide	ND		mg/kg	0.0095	0.0043	1
2-Butanone	ND		mg/kg	0.0095	0.0021	1
4-Methyl-2-pentanone	ND		mg/kg	0.0095	0.0012	1
2-Hexanone	ND		mg/kg	0.0095	0.0011	1
Bromochloromethane	ND		mg/kg	0.0019	0.00019	1
Isopropylbenzene	ND		mg/kg	0.00095	0.00010	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0019	0.00030	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0019	0.00026	1
Methyl Acetate	ND		mg/kg	0.0038	0.00090	1
Cyclohexane	ND		mg/kg	0.0095	0.00052	1
Methyl cyclohexane	ND		mg/kg	0.0038	0.00057	1
Freon-113	ND		mg/kg	0.0038	0.00066	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	mg/kg	1
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Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25**SAMPLE RESULTS**

Lab ID: L2541647-01

Date Collected: 07/02/25 12:30

Client ID: SW-E1-2

Date Received: 07/02/25

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	118		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	113		70-130

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

SAMPLE RESULTS

Lab ID: L2541647-02
 Client ID: A3-1.5
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/02/25 09:45
 Date Received: 07/02/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 07/12/25 16:27
 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	0.0026	0.00086	1
1,4-Dioxane	ND		mg/kg	0.069	0.030	1
1,2-Dibromoethane	ND		mg/kg	0.00087	0.00024	1
Methylene chloride	ND		mg/kg	0.0043	0.0020	1
1,1-Dichloroethane	ND		mg/kg	0.00087	0.00012	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	0.00043	0.00017	1
Chlorobenzene	ND		mg/kg	0.00043	0.00011	1
Trichlorofluoromethane	ND		mg/kg	0.0035	0.00060	1
1,2-Dichloroethane	ND		mg/kg	0.00087	0.00022	1
1,1,1-Trichloroethane	ND		mg/kg	0.00043	0.00014	1
Bromodichloromethane	ND		mg/kg	0.00043	0.00009	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00087	0.00024	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00043	0.00014	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00043	0.00014	1
Bromoform	ND		mg/kg	0.0035	0.00021	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00043	0.00014	1
Benzene	ND		mg/kg	0.00043	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	0.00050	1
Vinyl chloride	ND		mg/kg	0.00087	0.00029	1
Chloroethane	ND		mg/kg	0.0017	0.00039	1

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

SAMPLE RESULTS

Lab ID: L2541647-02

Date Collected: 07/02/25 09:45

Client ID: A3-1.5

Date Received: 07/02/25

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	0.00043	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	0.00017	1
p/m-Xylene	ND		mg/kg	0.0017	0.00048	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	0.00079	1
Acetone	0.023		mg/kg	0.022	0.0087	1
Carbon disulfide	ND		mg/kg	0.0087	0.0039	1
2-Butanone	0.0030	J	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	0.00082	1
Cyclohexane	ND		mg/kg	0.0087	0.00047	1
Methyl cyclohexane	ND		mg/kg	0.0035	0.00052	1
Freon-113	ND		mg/kg	0.0035	0.00060	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	mg/kg	1
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Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25**SAMPLE RESULTS**

Lab ID: L2541647-02

Date Collected: 07/02/25 09:45

Client ID: A3-1.5

Date Received: 07/02/25

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	123		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	114		70-130

Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25**SAMPLE RESULTS**

Lab ID: L2541647-03

Date Collected: 07/02/25 11:50

Client ID: ST-W1

Date Received: 07/02/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: NJ-SPLPZHEEXT-
DATA

Analytical Method: 1,1312

Analytical Date: 07/09/25 05:05

Analyst: GAR

Percent Solids: 89%

TCLP/SPLP Ext. Date: 07/03/25 09:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
SPLP ZHE Extraction Data by EPA 1312 - Westborough Lab						
pH, Extraction Post-Filtration	8.16		SU	-	NA	1
Sample Weight	0.025		kg	-	NA	1
Leachate Volume	0.500		l	-	NA	1

Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25**SAMPLE RESULTS**

Lab ID: L2541647-03
 Client ID: ST-W1
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/02/25 11:50
 Date Received: 07/02/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 07/07/25 11:39
 Analyst: MCM
 Percent Solids: 89%
 TCLP/SPLP Ext. Date: 07/03/25 09:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
SPLP Volatiles by EPA 1312 - 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: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

SAMPLE RESULTS

Lab ID: L2541647-03

Date Collected: 07/02/25 11:50

Client ID: ST-W1

Date Received: 07/02/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
SPLP Volatiles by EPA 1312 - 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	ND		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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	105		70-130

Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25**SAMPLE RESULTS**

Lab ID: L2541647-03
 Client ID: ST-W1
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/02/25 11:50
 Date Received: 07/02/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 07/12/25 16:54
 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	0.0027	0.00089	1
1,4-Dioxane	ND		mg/kg	0.071	0.031	1
1,2-Dibromoethane	ND		mg/kg	0.00089	0.00025	1
Methylene chloride	ND		mg/kg	0.0044	0.0020	1
1,1-Dichloroethane	ND		mg/kg	0.00089	0.00013	1
Chloroform	ND		mg/kg	0.0013	0.00012	1
Carbon tetrachloride	ND		mg/kg	0.00089	0.00020	1
1,2-Dichloropropane	ND		mg/kg	0.00089	0.00011	1
Dibromochloromethane	ND		mg/kg	0.00089	0.00012	1
1,1,2-Trichloroethane	ND		mg/kg	0.00089	0.00024	1
Tetrachloroethene	ND		mg/kg	0.00044	0.00017	1
Chlorobenzene	ND		mg/kg	0.00044	0.00011	1
Trichlorofluoromethane	ND		mg/kg	0.0036	0.00062	1
1,2-Dichloroethane	ND		mg/kg	0.00089	0.00023	1
1,1,1-Trichloroethane	ND		mg/kg	0.00044	0.00015	1
Bromodichloromethane	ND		mg/kg	0.00044	0.00009	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00089	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	0.0036	0.00022	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00044	0.00015	1
Benzene	ND		mg/kg	0.00044	0.00015	1
Toluene	ND		mg/kg	0.00089	0.00048	1
Ethylbenzene	ND		mg/kg	0.00089	0.00012	1
Chloromethane	ND		mg/kg	0.0036	0.00083	1
Bromomethane	ND		mg/kg	0.0018	0.00052	1
Vinyl chloride	ND		mg/kg	0.00089	0.00030	1
Chloroethane	ND		mg/kg	0.0018	0.00040	1

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

SAMPLE RESULTS

Lab ID: L2541647-03

Date Collected: 07/02/25 11:50

Client ID: ST-W1

Date Received: 07/02/25

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	0.00089	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	0.0018	0.00013	1
1,3-Dichlorobenzene	ND		mg/kg	0.0018	0.00013	1
1,4-Dichlorobenzene	ND		mg/kg	0.0018	0.00015	1
Methyl tert butyl ether	ND		mg/kg	0.0018	0.00018	1
p/m-Xylene	ND		mg/kg	0.0018	0.00050	1
o-Xylene	ND		mg/kg	0.00089	0.00026	1
Xylenes, Total	ND		mg/kg	0.00089	0.00026	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00089	0.00016	1
1,2-Dichloroethene, Total	ND		mg/kg	0.00089	0.00012	1
Styrene	ND		mg/kg	0.00089	0.00017	1
Dichlorodifluoromethane	ND		mg/kg	0.0089	0.00081	1
Acetone	ND		mg/kg	0.022	0.0089	1
Carbon disulfide	ND		mg/kg	0.0089	0.0040	1
2-Butanone	ND		mg/kg	0.0089	0.0020	1
4-Methyl-2-pentanone	ND		mg/kg	0.0089	0.0011	1
2-Hexanone	ND		mg/kg	0.0089	0.0010	1
Bromochloromethane	ND		mg/kg	0.0018	0.00018	1
Isopropylbenzene	ND		mg/kg	0.00089	0.00009	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0018	0.00029	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0018	0.00024	1
Methyl Acetate	ND		mg/kg	0.0036	0.00084	1
Cyclohexane	ND		mg/kg	0.0089	0.00048	1
Methyl cyclohexane	ND		mg/kg	0.0036	0.00054	1
Freon-113	ND		mg/kg	0.0036	0.00062	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	mg/kg	1
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Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25**SAMPLE RESULTS**

Lab ID: L2541647-03

Date Collected: 07/02/25 11:50

Client ID: ST-W1

Date Received: 07/02/25

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	120		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	116		70-130

Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25**SAMPLE RESULTS**

Lab ID: L2541647-04

Date Collected: 07/02/25 11:40

Client ID: CP001-1

Date Received: 07/02/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: NJ-SPLPZHEEXT-
DATA

Analytical Method: 1,1312

Analytical Date: 07/09/25 05:05

Analyst: GAR

Percent Solids: 92%

TCLP/SPLP Ext. Date: 07/03/25 09:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
SPLP ZHE Extraction Data by EPA 1312 - Westborough Lab						
pH, Extraction Post-Filtration	9.31		SU	-	NA	1
Sample Weight	0.025		kg	-	NA	1
Leachate Volume	0.500		l	-	NA	1

Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25**SAMPLE RESULTS**

Lab ID: L2541647-04
 Client ID: CP001-1
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/02/25 11:40
 Date Received: 07/02/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 07/07/25 12:05
 Analyst: MCM
 Percent Solids: 92%
 TCLP/SPLP Ext. Date: 07/03/25 09:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
SPLP Volatiles by EPA 1312 - 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: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

SAMPLE RESULTS

Lab ID: L2541647-04

Date Collected: 07/02/25 11:40

Client ID: CP001-1

Date Received: 07/02/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
SPLP Volatiles by EPA 1312 - 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	ND		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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	104		70-130

Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25**SAMPLE RESULTS**

Lab ID: L2541647-04
 Client ID: CP001-1
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/02/25 11:40
 Date Received: 07/02/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 07/12/25 17:21
 Analyst: JIC
 Percent Solids: 92%

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	0.00086	1
1,4-Dioxane	ND		mg/kg	0.069	0.030	1
1,2-Dibromoethane	ND		mg/kg	0.00086	0.00024	1
Methylene chloride	ND		mg/kg	0.0043	0.0020	1
1,1-Dichloroethane	ND		mg/kg	0.00086	0.00012	1
Chloroform	ND		mg/kg	0.0013	0.00012	1
Carbon tetrachloride	ND		mg/kg	0.00086	0.00020	1
1,2-Dichloropropane	ND		mg/kg	0.00086	0.00011	1
Dibromochloromethane	ND		mg/kg	0.00086	0.00012	1
1,1,2-Trichloroethane	ND		mg/kg	0.00086	0.00023	1
Tetrachloroethene	ND		mg/kg	0.00043	0.00017	1
Chlorobenzene	ND		mg/kg	0.00043	0.00011	1
Trichlorofluoromethane	ND		mg/kg	0.0034	0.00060	1
1,2-Dichloroethane	ND		mg/kg	0.00086	0.00022	1
1,1,1-Trichloroethane	ND		mg/kg	0.00043	0.00014	1
Bromodichloromethane	ND		mg/kg	0.00043	0.00009	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00086	0.00024	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00043	0.00014	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00043	0.00014	1
Bromoform	ND		mg/kg	0.0034	0.00021	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00043	0.00014	1
Benzene	ND		mg/kg	0.00043	0.00014	1
Toluene	ND		mg/kg	0.00086	0.00047	1
Ethylbenzene	0.11		mg/kg	0.00086	0.00012	1
Chloromethane	ND		mg/kg	0.0034	0.00080	1
Bromomethane	ND		mg/kg	0.0017	0.00050	1
Vinyl chloride	ND		mg/kg	0.00086	0.00029	1
Chloroethane	ND		mg/kg	0.0017	0.00039	1

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

SAMPLE RESULTS

Lab ID: L2541647-04

Date Collected: 07/02/25 11:40

Client ID: CP001-1

Date Received: 07/02/25

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	0.00086	0.00020	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0013	0.00012	1
Trichloroethene	ND		mg/kg	0.00043	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	0.00017	1
p/m-Xylene	0.28		mg/kg	0.0017	0.00048	1
o-Xylene	0.027		mg/kg	0.00086	0.00025	1
Xylenes, Total	0.31		mg/kg	0.00086	0.00025	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00086	0.00015	1
1,2-Dichloroethene, Total	ND		mg/kg	0.00086	0.00012	1
Styrene	ND		mg/kg	0.00086	0.00017	1
Dichlorodifluoromethane	ND		mg/kg	0.0086	0.00079	1
Acetone	ND		mg/kg	0.022	0.0086	1
Carbon disulfide	ND		mg/kg	0.0086	0.0039	1
2-Butanone	ND		mg/kg	0.0086	0.0019	1
4-Methyl-2-pentanone	ND		mg/kg	0.0086	0.0011	1
2-Hexanone	ND		mg/kg	0.0086	0.0010	1
Bromochloromethane	ND		mg/kg	0.0017	0.00018	1
Isopropylbenzene	0.032		mg/kg	0.00086	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	0.0034	0.00082	1
Cyclohexane	0.025		mg/kg	0.0086	0.00047	1
Methyl cyclohexane	0.090		mg/kg	0.0034	0.00052	1
Freon-113	ND		mg/kg	0.0034	0.00060	1

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

SAMPLE RESULTS

Lab ID: L2541647-04

Date Collected: 07/02/25 11:40

Client ID: CP001-1

Date Received: 07/02/25

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						

Tentatively Identified Compounds

Total TIC Compounds	1.23	J	mg/kg			1
Unknown Benzene	0.074	J	mg/kg			1
Unknown Benzene	0.026	J	mg/kg			1
Heptane, 3-methyl-	0.046	NJ	mg/kg			1
Hexane, 2,4-dimethyl-	0.038	NJ	mg/kg			1
Pentane, 2,3,4-trimethyl-	0.166	NJ	mg/kg			1
Unknown	0.046	J	mg/kg			1
Unknown Benzene	0.035	J	mg/kg			1
Octane	0.062	NJ	mg/kg			1
Unknown Alkane	0.173	J	mg/kg			1
Unknown	0.026	J	mg/kg			1
Unknown	0.029	J	mg/kg			1
Unknown Alkane	0.029	J	mg/kg			1
Unknown Alkane	0.188	J	mg/kg			1
Pentane, 2,3,3-trimethyl-	0.264	NJ	mg/kg			1
Unknown Alkane	0.031	J	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	79		70-130

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 07/07/25 04:36
 Analyst: MCM
 TCLP/SPLP Extraction Date: 07/03/25 09:33

Extraction Date: 07/03/25 09:33

Parameter	Result	Qualifier	Units	RL	MDL
SPLP Volatiles by EPA 1312 - Westborough Lab for sample(s): 03-04 Batch: WG2087879-5					
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: L2541647
Report Date: 07/15/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 07/07/25 04:36
 Analyst: MCM
 TCLP/SPLP Extraction Date: 07/03/25 09:33

Extraction Date: 07/03/25 09:33

Parameter	Result	Qualifier	Units	RL	MDL
SPLP Volatiles by EPA 1312 - Westborough Lab for sample(s): 03-04 Batch: WG2087879-5					
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: L2541647
Report Date: 07/15/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/07/25 04:36
Analyst: MCM
TCLP/SPLP Extraction Date: 07/03/25 09:33

Extraction Date: 07/03/25 09:33

Parameter	Result	Qualifier	Units	RL	MDL
SPLP Volatiles by EPA 1312 - Westborough Lab for sample(s): 03-04 Batch: WG2087879-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	106		70-130

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 07/12/25 10:07
 Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG2090278-5					
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	0.00079	J	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: L2541647
Report Date: 07/15/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 07/12/25 10:07
 Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG2090278-5					
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: L2541647
Report Date: 07/15/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 07/12/25 10:07
 Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG2090278-5					

Tentatively Identified Compounds

Total TIC Compounds	0.003	J	mg/kg	
Unknown	0.003	J	mg/kg	

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	110		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
SPLP Volatiles by EPA 1312 - Westborough Lab Associated sample(s): 03-04 Batch: WG2087879-3 WG2087879-4								
1,2-Dibromo-3-chloropropane	78		79		40-160	1		20
1,4-Dioxane	66		64		40-160	3		20
1,2-Dibromoethane	84		86		70-130	2		20
Methylene chloride	94		96		70-130	2		20
1,1-Dichloroethane	99		100		70-130	1		20
Chloroform	91		95		70-130	4		20
Carbon tetrachloride	91		93		70-130	2		20
1,2-Dichloropropane	95		95		70-130	0		20
Dibromochloromethane	81		84		70-130	4		20
1,1,2-Trichloroethane	86		87		70-130	1		20
Tetrachloroethene	93		91		70-130	2		20
Chlorobenzene	90		92		70-130	2		20
Trichlorofluoromethane	98		100		40-160	2		20
1,2-Dichloroethane	94		97		70-130	3		20
1,1,1-Trichloroethane	93		96		70-130	3		20
Bromodichloromethane	89		98		70-130	10		20
trans-1,3-Dichloropropene	84		90		70-130	7		20
cis-1,3-Dichloropropene	87		88		70-130	1		20
Bromoform	75		79		40-160	5		20
1,1,2,2-Tetrachloroethane	91		93		40-160	2		20
Benzene	92		94		70-130	2		20
Toluene	94		96		70-130	2		20
Ethylbenzene	98		99		70-130	1		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
SPLP Volatiles by EPA 1312 - Westborough Lab Associated sample(s): 03-04 Batch: WG2087879-3 WG2087879-4								
Chloromethane	100		110		40-160	10		20
Bromomethane	99		100		40-160	1		20
Vinyl chloride	100		110		70-130	10		20
Chloroethane	110		120		40-160	9		20
1,1-Dichloroethene	93		96		70-130	3		20
trans-1,2-Dichloroethene	89		94		70-130	5		20
Trichloroethene	88		90		70-130	2		20
1,2-Dichlorobenzene	91		92		70-130	1		20
1,3-Dichlorobenzene	90		90		70-130	0		20
1,4-Dichlorobenzene	90		92		70-130	2		20
Methyl tert butyl ether	77		80		70-130	4		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	88		91		70-130	3		20
Styrene	95		95		40-160	0		20
Dichlorodifluoromethane	85		87		40-160	2		20
Acetone	85		100		40-160	16		20
Carbon disulfide	99		100		40-160	1		20
2-Butanone	83		85		40-160	2		20
4-Methyl-2-pentanone	84		86		40-160	2		20
2-Hexanone	94		92		40-160	2		20
Bromochloromethane	92		91		70-130	1		20
Isopropylbenzene	95		96		70-130	1		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
SPLP Volatiles by EPA 1312 - Westborough Lab Associated sample(s): 03-04 Batch: WG2087879-3 WG2087879-4								
1,2,3-Trichlorobenzene	84		84		70-130	0		20
1,2,4-Trichlorobenzene	85		85		70-130	0		20
Methyl Acetate	86		84		70-130	2		20
Cyclohexane	100		100		70-130	0		20
Methyl cyclohexane	96		100		70-130	4		20
Freon-113	95		100		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		106		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	97		98		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG2090278-3 WG2090278-4								
1,2-Dibromo-3-chloropropane	81		84		40-160	4		30
1,4-Dioxane	104		110		40-160	6		30
1,2-Dibromoethane	97		97		70-130	0		30
Methylene chloride	119		117		70-130	2		30
1,1-Dichloroethane	117		117		70-130	0		30
Chloroform	115		114		70-130	1		30
Carbon tetrachloride	119		118		70-130	1		30
1,2-Dichloropropane	113		114		70-130	1		30
Dibromochloromethane	96		97		70-130	1		30
1,1,2-Trichloroethane	94		95		70-130	1		30
Tetrachloroethene	104		102		70-130	2		30
Chlorobenzene	95		96		70-130	1		30
Trichlorofluoromethane	131		127		40-160	3		30
1,2-Dichloroethane	118		119		70-130	1		30
1,1,1-Trichloroethane	122		122		70-130	0		30
Bromodichloromethane	114		119		70-130	4		30
trans-1,3-Dichloropropene	100		101		70-130	1		30
cis-1,3-Dichloropropene	124		124		40-160	0		30
Bromoform	83		86		40-160	4		30
1,1,2,2-Tetrachloroethane	86		87		40-160	1		30
Benzene	118		116		70-130	2		30
Toluene	88		88		70-130	0		30
Ethylbenzene	96		96		70-130	0		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG2090278-3 WG2090278-4								
Chloromethane	112		108		40-160	4		30
Bromomethane	125		119		40-160	5		30
Vinyl chloride	122		116		70-130	5		30
Chloroethane	132		125		40-160	5		30
1,1-Dichloroethene	119		115		70-130	3		30
trans-1,2-Dichloroethene	115		113		70-130	2		30
Trichloroethene	121		119		70-130	2		30
1,2-Dichlorobenzene	92		92		70-130	0		30
1,3-Dichlorobenzene	92		93		70-130	1		30
1,4-Dichlorobenzene	92		93		70-130	1		30
Methyl tert butyl ether	108		110		70-130	2		30
p/m-Xylene	99		99		70-130	0		30
o-Xylene	99		100		70-130	1		30
cis-1,2-Dichloroethene	114		112		70-130	2		30
Styrene	102		102		40-160	0		30
Dichlorodifluoromethane	102		97		40-160	5		30
Acetone	90		94		40-160	4		30
Carbon disulfide	120		116		40-160	3		30
2-Butanone	100		104		40-160	4		30
4-Methyl-2-pentanone	87		91		40-160	4		30
2-Hexanone	73		78		40-160	7		30
Bromochloromethane	114		114		70-130	0		30
Isopropylbenzene	90		91		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG2090278-3 WG2090278-4								
1,2,3-Trichlorobenzene	92		93		70-130	1		30
1,2,4-Trichlorobenzene	94		94		70-130	0		30
Methyl Acetate	98		100		70-130	2		30
Cyclohexane	118		118		70-130	0		30
Methyl cyclohexane	117		118		70-130	1		30
Freon-113	132	Q	128		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		109		70-130
Toluene-d8	90		90		70-130
4-Bromofluorobenzene	97		95		70-130
Dibromofluoromethane	106		106		70-130

SEMIVOLATILES

Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25**SAMPLE RESULTS**

Lab ID: L2541647-02
 Client ID: A3-1.5
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/02/25 09:45
 Date Received: 07/02/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 07/06/25 17:20
 Analyst: JG
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 07/05/25 16:16

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	0.017	1
Hexachlorobenzene	ND		mg/kg	0.053	0.017	1
Bis(2-chloroethyl)ether	ND		mg/kg	0.066	0.022	1
3,3'-Dichlorobenzidine	ND		mg/kg	0.14	0.047	1
2,4-Dinitrotoluene	ND		mg/kg	0.091	0.030	1
2,6-Dinitrotoluene	ND		mg/kg	0.072	0.024	1
Fluoranthene	ND		mg/kg	0.11	0.021	1
4-Chlorophenyl phenyl ether	ND		mg/kg	0.18	0.015	1
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.22	0.021	1
Bis(2-chloroethoxy)methane	ND		mg/kg	0.20	0.017	1
Hexachlorobutadiene	ND		mg/kg	0.068	0.023	1
Hexachlorocyclopentadiene	ND		mg/kg	0.52	0.12	1
Hexachloroethane	ND		mg/kg	0.089	0.030	1
Isophorone	ND		mg/kg	0.062	0.020	1
Naphthalene	ND		mg/kg	0.18	0.022	1
Nitrobenzene	ND		mg/kg	0.081	0.027	1
NDPA/DPA	ND		mg/kg	0.045	0.015	1
n-Nitrosodi-n-propylamine	ND		mg/kg	0.046	0.015	1
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.18	0.019	1
Butyl benzyl phthalate	ND		mg/kg	0.18	0.024	1
Di-n-butylphthalate	ND		mg/kg	0.18	0.016	1
Di-n-octylphthalate	ND		mg/kg	0.18	0.057	1
Diethyl phthalate	ND		mg/kg	0.18	0.017	1
Dimethyl phthalate	ND		mg/kg	0.18	0.018	1
Benzo(a)anthracene	ND		mg/kg	0.062	0.021	1
Benzo(a)pyrene	ND		mg/kg	0.13	0.045	1
Benzo(b)fluoranthene	ND		mg/kg	0.046	0.015	1

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

SAMPLE RESULTS

Lab ID: L2541647-02

Date Collected: 07/02/25 09:45

Client ID: A3-1.5

Date Received: 07/02/25

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						
Benzo(k)fluoranthene	ND		mg/kg	0.038	0.013	1
Chrysene	ND		mg/kg	0.11	0.019	1
Acenaphthylene	ND		mg/kg	0.15	0.020	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
4-Chloroaniline	ND		mg/kg	0.18	0.021	1
2-Nitroaniline	ND		mg/kg	0.18	0.034	1
3-Nitroaniline	ND		mg/kg	0.18	0.034	1
4-Nitroaniline	ND		mg/kg	0.18	0.076	1
Dibenzofuran	ND		mg/kg	0.18	0.016	1
2-Methylnaphthalene	ND		mg/kg	0.22	0.019	1
2,4,6-Trichlorophenol	ND		mg/kg	0.10	0.035	1
p-Chloro-m-cresol	ND		mg/kg	0.18	0.027	1
2-Chlorophenol	ND		mg/kg	0.060	0.020	1
2,4-Dichlorophenol	ND		mg/kg	0.088	0.029	1
2,4-Dimethylphenol	ND		mg/kg	0.17	0.058	1
2-Nitrophenol	ND		mg/kg	0.40	0.030	1
2,4-Dinitrophenol	ND		mg/kg	0.26	0.085	1
4,6-Dinitro-o-cresol	ND		mg/kg	0.26	0.088	1
Pentachlorophenol	ND		mg/kg	0.12	0.040	1
Phenol	ND		mg/kg	0.18	0.022	1
2-Methylphenol	ND		mg/kg	0.18	0.028	1
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.26	0.026	1
2,4,5-Trichlorophenol	ND		mg/kg	0.18	0.035	1
Carbazole	ND		mg/kg	0.18	0.012	1
4-Nitrophenol	ND		mg/kg	0.26	0.051	1
4-Bromophenyl phenyl ether	ND		mg/kg	0.18	0.020	1
Benzaldehyde	ND		mg/kg	0.24	0.028	1
Caprolactam	ND		mg/kg	0.18	0.039	1
Acetophenone	ND		mg/kg	0.18	0.019	1
Biphenyl	ND		mg/kg	0.42	0.024	1
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.18	0.019	1



Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25**SAMPLE RESULTS**

Lab ID: L2541647-02

Date Collected: 07/02/25 09:45

Client ID: A3-1.5

Date Received: 07/02/25

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						
Atrazine	ND		mg/kg	0.15	0.064	1
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.18	0.037	1
1,4-Dioxane	ND		mg/kg	0.027	0.0084	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	mg/kg	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		30-130
Phenol-d6	91		30-130
Nitrobenzene-d5	94		30-130
2-Fluorobiphenyl	83		30-130
2,4,6-Tribromophenol	91		30-130
4-Terphenyl-d14	81		30-130

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

SAMPLE RESULTS

Lab ID: L2541647-04
 Client ID: CP001-1
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/02/25 11:40
 Date Received: 07/02/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 07/07/25 19:54
 Analyst: SMZ
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 07/04/25 09:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		mg/kg	0.14	0.015	1
2-Chloronaphthalene	ND		mg/kg	0.17	0.017	1
Hexachlorobenzene	ND		mg/kg	0.050	0.017	1
Bis(2-chloroethyl)ether	ND		mg/kg	0.063	0.021	1
3,3'-Dichlorobenzidine	ND		mg/kg	0.13	0.045	1
2,4-Dinitrotoluene	ND		mg/kg	0.087	0.029	1
2,6-Dinitrotoluene	ND		mg/kg	0.069	0.023	1
Fluoranthene	0.64		mg/kg	0.10	0.020	1
4-Chlorophenyl phenyl ether	ND		mg/kg	0.17	0.015	1
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.21	0.020	1
Bis(2-chloroethoxy)methane	ND		mg/kg	0.19	0.017	1
Hexachlorobutadiene	ND		mg/kg	0.065	0.022	1
Hexachlorocyclopentadiene	ND		mg/kg	0.50	0.11	1
Hexachloroethane	ND		mg/kg	0.085	0.028	1
Isophorone	ND		mg/kg	0.059	0.020	1
Naphthalene	0.021	J	mg/kg	0.17	0.021	1
Nitrobenzene	ND		mg/kg	0.078	0.026	1
NDPA/DPA	ND		mg/kg	0.043	0.014	1
n-Nitrosodi-n-propylamine	ND		mg/kg	0.044	0.015	1
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.17	0.018	1
Butyl benzyl phthalate	ND		mg/kg	0.17	0.023	1
Di-n-butylphthalate	ND		mg/kg	0.17	0.015	1
Di-n-octylphthalate	ND		mg/kg	0.17	0.054	1
Diethyl phthalate	ND		mg/kg	0.17	0.016	1
Dimethyl phthalate	ND		mg/kg	0.17	0.017	1
Benzo(a)anthracene	0.60		mg/kg	0.059	0.020	1
Benzo(a)pyrene	1.0		mg/kg	0.13	0.043	1
Benzo(b)fluoranthene	1.3		mg/kg	0.044	0.014	1

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

SAMPLE RESULTS

Lab ID: L2541647-04

Date Collected: 07/02/25 11:40

Client ID: CP001-1

Date Received: 07/02/25

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						
Benzo(k)fluoranthene	0.46		mg/kg	0.037	0.012	1
Chrysene	0.65		mg/kg	0.10	0.018	1
Acenaphthylene	0.14		mg/kg	0.14	0.020	1
Anthracene	0.17		mg/kg	0.10	0.016	1
Benzo(ghi)perylene	0.69		mg/kg	0.14	0.020	1
Fluorene	0.022	J	mg/kg	0.17	0.017	1
Phenanthrene	0.074	J	mg/kg	0.10	0.012	1
Dibenzo(a,h)anthracene	0.14		mg/kg	0.061	0.020	1
Indeno(1,2,3-cd)pyrene	0.64		mg/kg	0.073	0.024	1
Pyrene	0.75		mg/kg	0.10	0.015	1
4-Chloroaniline	ND		mg/kg	0.17	0.020	1
2-Nitroaniline	ND		mg/kg	0.17	0.032	1
3-Nitroaniline	ND		mg/kg	0.17	0.033	1
4-Nitroaniline	ND		mg/kg	0.17	0.072	1
Dibenzofuran	ND		mg/kg	0.17	0.015	1
2-Methylnaphthalene	ND		mg/kg	0.21	0.018	1
2,4,6-Trichlorophenol	ND		mg/kg	0.10	0.033	1
p-Chloro-m-cresol	ND		mg/kg	0.17	0.026	1
2-Chlorophenol	ND		mg/kg	0.058	0.019	1
2,4-Dichlorophenol	ND		mg/kg	0.084	0.028	1
2,4-Dimethylphenol	ND		mg/kg	0.17	0.056	1
2-Nitrophenol	ND		mg/kg	0.38	0.029	1
2,4-Dinitrophenol	ND		mg/kg	0.25	0.082	1
4,6-Dinitro-o-cresol	ND		mg/kg	0.25	0.084	1
Pentachlorophenol	ND		mg/kg	0.12	0.038	1
Phenol	ND		mg/kg	0.17	0.021	1
2-Methylphenol	ND		mg/kg	0.17	0.027	1
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.25	0.025	1
2,4,5-Trichlorophenol	ND		mg/kg	0.17	0.034	1
Carbazole	0.024	J	mg/kg	0.17	0.011	1
4-Nitrophenol	ND		mg/kg	0.24	0.049	1
4-Bromophenyl phenyl ether	ND		mg/kg	0.17	0.019	1
Benzaldehyde	ND		mg/kg	0.23	0.027	1
Caprolactam	ND		mg/kg	0.17	0.037	1
Acetophenone	ND		mg/kg	0.17	0.018	1
Biphenyl	ND		mg/kg	0.40	0.023	1
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.17	0.018	1



Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25**SAMPLE RESULTS**

Lab ID: L2541647-04

Date Collected: 07/02/25 11:40

Client ID: CP001-1

Date Received: 07/02/25

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						
Atrazine	ND		mg/kg	0.14	0.061	1
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.17	0.035	1
1,4-Dioxane	ND		mg/kg	0.026	0.0080	1

Tentatively Identified Compounds

Total TIC Compounds	1.58	J	mg/kg			1
Unknown	0.143	J	mg/kg			1
Unknown Phenol	0.272	J	mg/kg			1
Unknown PAH	0.908	J	mg/kg			1
Unknown Organic Acid	0.256	J	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	105		30-130
Phenol-d6	106		30-130
Nitrobenzene-d5	79		30-130
2-Fluorobiphenyl	97		30-130
2,4,6-Tribromophenol	99		30-130
4-Terphenyl-d14	87		30-130

Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25**SAMPLE RESULTS**

Lab ID: L2541647-04
 Client ID: CP001-1
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/02/25 11:40
 Date Received: 07/02/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E-SIM
 Analytical Date: 07/08/25 23:12
 Analyst: JJW
 Percent Solids: 92%
 TCLP/SPLP Ext. Date: 07/06/25 22:36

Extraction Method: EPA 3510C
 Extraction Date: 07/07/25 21:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
SPLP Semivolatile Organics by EPA 1312 - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Hexachlorobenzene	ND		ug/l	0.02	0.01	1
Fluoranthene	0.11		ug/l	0.10	0.03	1
Naphthalene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Benzo(a)anthracene	0.09	J	ug/l	0.10	0.03	1
Benzo(a)pyrene	0.11		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.16		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	0.06	J	ug/l	0.10	0.03	1
Chrysene	0.05	J	ug/l	0.10	0.03	1
Acenaphthylene	0.03	J	ug/l	0.10	0.02	1
Anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(ghi)perylene	0.34		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	0.08	J	ug/l	0.10	0.02	1
Indeno(1,2,3-cd)Pyrene	0.19		ug/l	0.10	0.02	1
Pyrene	0.12		ug/l	0.10	0.04	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		15-110
Phenol-d6	44		15-110
Nitrobenzene-d5	88		30-130
2-Fluorobiphenyl	81		30-130
2,4,6-Tribromophenol	70		15-110
4-Terphenyl-d14	82		30-130



Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25**SAMPLE RESULTS**

Lab ID: L2541647-04 R
 Client ID: CP001-1
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/02/25 11:40
 Date Received: 07/02/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E-SIM
 Analytical Date: 07/09/25 21:57
 Analyst: DV
 Percent Solids: 92%

Extraction Method: EPA 3510C
 Extraction Date: 07/07/25 21:15

TCLP/SPLP Ext. Date: 07/06/25 22:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
SPLP Semivolatile Organics by EPA 1312 - Westborough Lab						
Pentachlorophenol	ND		ug/l	0.10	0.06	1

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541647
Report Date: 07/15/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/07/25 13:15
Analyst: SMZ

Extraction Method: EPA 3546
Extraction Date: 07/04/25 09:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG2086982-1					
Acenaphthene	ND		mg/kg	0.13	0.014
2-Chloronaphthalene	ND		mg/kg	0.16	0.016
Hexachlorobenzene	ND		mg/kg	0.047	0.016
Bis(2-chloroethyl)ether	ND		mg/kg	0.059	0.020
3,3'-Dichlorobenzidine	ND		mg/kg	0.12	0.042
2,4-Dinitrotoluene	ND		mg/kg	0.082	0.027
2,6-Dinitrotoluene	ND		mg/kg	0.065	0.022
Fluoranthene	ND		mg/kg	0.098	0.019
4-Chlorophenyl phenyl ether	ND		mg/kg	0.16	0.014
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.20	0.019
Bis(2-chloroethoxy)methane	ND		mg/kg	0.18	0.016
Hexachlorobutadiene	ND		mg/kg	0.061	0.020
Hexachlorocyclopentadiene	ND		mg/kg	0.47	0.10
Hexachloroethane	ND		mg/kg	0.080	0.026
Isophorone	ND		mg/kg	0.055	0.018
Naphthalene	ND		mg/kg	0.16	0.020
Nitrobenzene	ND		mg/kg	0.073	0.024
NDPA/DPA	ND		mg/kg	0.040	0.013
n-Nitrosodi-n-propylamine	ND		mg/kg	0.041	0.014
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.16	0.017
Butyl benzyl phthalate	ND		mg/kg	0.16	0.022
Di-n-butylphthalate	ND		mg/kg	0.16	0.014
Di-n-octylphthalate	ND		mg/kg	0.16	0.051
Diethyl phthalate	ND		mg/kg	0.16	0.015
Dimethyl phthalate	ND		mg/kg	0.16	0.016
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



Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541647
Report Date: 07/15/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/07/25 13:15
Analyst: SMZ

Extraction Method: EPA 3546
Extraction Date: 07/04/25 09:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG2086982-1					
Chrysene	ND		mg/kg	0.098	0.017
Acenaphthylene	ND		mg/kg	0.13	0.018
Anthracene	ND		mg/kg	0.098	0.014
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
4-Chloroaniline	ND		mg/kg	0.16	0.019
2-Nitroaniline	ND		mg/kg	0.16	0.030
3-Nitroaniline	ND		mg/kg	0.16	0.031
4-Nitroaniline	ND		mg/kg	0.16	0.068
Dibenzofuran	ND		mg/kg	0.16	0.014
2-Methylnaphthalene	ND		mg/kg	0.20	0.017
2,4,6-Trichlorophenol	ND		mg/kg	0.093	0.031
p-Chloro-m-cresol	ND		mg/kg	0.16	0.024
2-Chlorophenol	ND		mg/kg	0.054	0.018
2,4-Dichlorophenol	ND		mg/kg	0.079	0.026
2,4-Dimethylphenol	ND		mg/kg	0.16	0.052
2-Nitrophenol	ND		mg/kg	0.35	0.027
2,4-Dinitrophenol	ND		mg/kg	0.24	0.076
4,6-Dinitro-o-cresol	ND		mg/kg	0.24	0.079
Pentachlorophenol	ND		mg/kg	0.11	0.036
Phenol	ND		mg/kg	0.16	0.019
2-Methylphenol	ND		mg/kg	0.16	0.025
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.24	0.024
2,4,5-Trichlorophenol	ND		mg/kg	0.16	0.031
Carbazole	ND		mg/kg	0.16	0.010



Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541647
Report Date: 07/15/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/07/25 13:15
Analyst: SMZ

Extraction Method: EPA 3546
Extraction Date: 07/04/25 09:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG2086982-1					
4-Nitrophenol	ND		mg/kg	0.23	0.046
4-Bromophenyl phenyl ether	ND		mg/kg	0.16	0.018
Benzaldehyde	ND		mg/kg	0.22	0.026
Caprolactam	ND		mg/kg	0.16	0.035
Acetophenone	ND		mg/kg	0.16	0.017
Biphenyl	ND		mg/kg	0.37	0.021
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.16	0.017
Atrazine	ND		mg/kg	0.13	0.057
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.16	0.033
1,4-Dioxane	ND		mg/kg	0.024	0.0075

Tentatively Identified Compounds

No Tentatively Identified Compounds ND mg/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		30-130
Phenol-d6	83		30-130
Nitrobenzene-d5	80		30-130
2-Fluorobiphenyl	79		30-130
2,4,6-Tribromophenol	86		30-130
4-Terphenyl-d14	83		30-130

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541647
Report Date: 07/15/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/06/25 13:00
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 07/05/25 16:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG2087117-1					
Acenaphthene	ND		mg/kg	0.13	0.014
2-Chloronaphthalene	ND		mg/kg	0.16	0.016
Hexachlorobenzene	ND		mg/kg	0.047	0.016
Bis(2-chloroethyl)ether	ND		mg/kg	0.059	0.020
3,3'-Dichlorobenzidine	ND		mg/kg	0.12	0.042
2,4-Dinitrotoluene	ND		mg/kg	0.082	0.027
2,6-Dinitrotoluene	ND		mg/kg	0.065	0.022
Fluoranthene	ND		mg/kg	0.098	0.019
4-Chlorophenyl phenyl ether	ND		mg/kg	0.16	0.014
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.20	0.019
Bis(2-chloroethoxy)methane	ND		mg/kg	0.18	0.016
Hexachlorobutadiene	ND		mg/kg	0.061	0.020
Hexachlorocyclopentadiene	ND		mg/kg	0.47	0.10
Hexachloroethane	ND		mg/kg	0.080	0.026
Isophorone	ND		mg/kg	0.055	0.018
Naphthalene	ND		mg/kg	0.16	0.020
Nitrobenzene	ND		mg/kg	0.073	0.024
NDPA/DPA	ND		mg/kg	0.040	0.013
n-Nitrosodi-n-propylamine	ND		mg/kg	0.041	0.014
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.16	0.017
Butyl benzyl phthalate	ND		mg/kg	0.16	0.022
Di-n-butylphthalate	ND		mg/kg	0.16	0.014
Di-n-octylphthalate	ND		mg/kg	0.16	0.051
Diethyl phthalate	ND		mg/kg	0.16	0.015
Dimethyl phthalate	ND		mg/kg	0.16	0.016
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



Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541647
Report Date: 07/15/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/06/25 13:00
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 07/05/25 16:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG2087117-1					
Chrysene	ND		mg/kg	0.098	0.017
Acenaphthylene	ND		mg/kg	0.13	0.018
Anthracene	ND		mg/kg	0.098	0.014
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
4-Chloroaniline	ND		mg/kg	0.16	0.019
2-Nitroaniline	ND		mg/kg	0.16	0.030
3-Nitroaniline	ND		mg/kg	0.16	0.031
4-Nitroaniline	ND		mg/kg	0.16	0.068
Dibenzofuran	ND		mg/kg	0.16	0.014
2-Methylnaphthalene	ND		mg/kg	0.20	0.017
2,4,6-Trichlorophenol	ND		mg/kg	0.093	0.031
p-Chloro-m-cresol	ND		mg/kg	0.16	0.024
2-Chlorophenol	ND		mg/kg	0.054	0.018
2,4-Dichlorophenol	ND		mg/kg	0.079	0.026
2,4-Dimethylphenol	ND		mg/kg	0.16	0.052
2-Nitrophenol	ND		mg/kg	0.35	0.027
2,4-Dinitrophenol	ND		mg/kg	0.24	0.076
4,6-Dinitro-o-cresol	ND		mg/kg	0.24	0.079
Pentachlorophenol	ND		mg/kg	0.11	0.036
Phenol	ND		mg/kg	0.16	0.019
2-Methylphenol	ND		mg/kg	0.16	0.025
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.24	0.024
2,4,5-Trichlorophenol	ND		mg/kg	0.16	0.031
Carbazole	ND		mg/kg	0.16	0.010

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541647
Report Date: 07/15/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/06/25 13:00
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 07/05/25 16:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG2087117-1					
4-Nitrophenol	ND		mg/kg	0.23	0.046
4-Bromophenyl phenyl ether	ND		mg/kg	0.16	0.018
Benzaldehyde	ND		mg/kg	0.22	0.026
Caprolactam	ND		mg/kg	0.16	0.035
Acetophenone	ND		mg/kg	0.16	0.017
Biphenyl	ND		mg/kg	0.37	0.021
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.16	0.017
Atrazine	ND		mg/kg	0.13	0.057
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.16	0.033
1,4-Dioxane	ND		mg/kg	0.024	0.0075

Tentatively Identified Compounds

No Tentatively Identified Compounds ND mg/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	93		30-130
Phenol-d6	93		30-130
Nitrobenzene-d5	95		30-130
2-Fluorobiphenyl	82		30-130
2,4,6-Tribromophenol	88		30-130
4-Terphenyl-d14	80		30-130

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541647
Report Date: 07/15/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 07/09/25 21:41
Analyst: DV
TCLP/SPLP Extraction Date: 07/06/25 22:36

Extraction Method: EPA 3510C
Extraction Date: 07/07/25 21:15

Parameter	Result	Qualifier	Units	RL	MDL
SPLP Semivolatile Organics by EPA 1312 - Westborough Lab for sample(s): 04 Batch: WG2087769-1					
Acenaphthene	ND		ug/l	0.10	0.02
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Hexachlorobenzene	ND		ug/l	0.02	0.01
Fluoranthene	ND		ug/l	0.10	0.03
Naphthalene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.03
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
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04
Pentachlorophenol	ND		ug/l	0.10	0.06

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541647
Report Date: 07/15/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 07/09/25 21:41
Analyst: DV
TCLP/SPLP Extraction Date: 07/06/25 22:36

Extraction Method: EPA 3510C
Extraction Date: 07/07/25 21:15

Parameter	Result	Qualifier	Units	RL	MDL
SPLP Semivolatile Organics by EPA 1312 - Westborough Lab for sample(s): 04 Batch: WG2087769-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		15-110
Phenol-d6	49		15-110
Nitrobenzene-d5	97		30-130
2-Fluorobiphenyl	94		30-130
2,4,6-Tribromophenol	115	Q	15-110
4-Terphenyl-d14	92		30-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG2086982-2 WG2086982-3								
Acenaphthene	94		82		70-130	14		30
2-Chloronaphthalene	96		85		70-130	12		30
Hexachlorobenzene	96		84		70-130	13		30
Bis(2-chloroethyl)ether	92		83		70-130	10		30
3,3'-Dichlorobenzidine	89		72		70-130	21		30
2,4-Dinitrotoluene	112		97		70-130	14		30
2,6-Dinitrotoluene	113		99		70-130	13		30
Fluoranthene	101		86		70-130	16		30
4-Chlorophenyl phenyl ether	96		83		70-130	15		30
Bis(2-chloroisopropyl)ether	108		97		70-130	11		30
Bis(2-chloroethoxy)methane	101		89		70-130	13		30
Hexachlorobutadiene	86		79		70-130	8		30
Hexachlorocyclopentadiene	90		86		20-160	5		30
Hexachloroethane	86		78		20-160	10		30
Isophorone	101		90		70-130	12		30
Naphthalene	90		81		70-130	11		30
Nitrobenzene	98		89		70-130	10		30
NDPA/DPA	98		85		70-130	14		30
n-Nitrosodi-n-propylamine	104		92		70-130	12		30
Bis(2-ethylhexyl)phthalate	100		87		70-130	14		30
Butyl benzyl phthalate	95		81		70-130	16		30
Di-n-butylphthalate	111		96		70-130	14		30
Di-n-octylphthalate	100		87		70-130	14		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG2086982-2 WG2086982-3								
Diethyl phthalate	100		87		70-130	14		30
Dimethyl phthalate	101		88		70-130	14		30
Benzo(a)anthracene	99		86		70-130	14		30
Benzo(a)pyrene	108		92		70-130	16		30
Benzo(b)fluoranthene	107		91		70-130	16		30
Benzo(k)fluoranthene	104		90		70-130	14		30
Chrysene	97		84		70-130	14		30
Acenaphthylene	100		86		70-130	15		30
Anthracene	99		86		70-130	14		30
Benzo(ghi)perylene	109		93		70-130	16		30
Fluorene	97		85		70-130	13		30
Phenanthrene	95		82		70-130	15		30
Dibenzo(a,h)anthracene	108		92		70-130	16		30
Indeno(1,2,3-cd)pyrene	111		96		70-130	14		30
Pyrene	98		84		70-130	15		30
4-Chloroaniline	73		59		20-160	21		30
2-Nitroaniline	116		101		70-130	14		30
3-Nitroaniline	81		72		70-130	12		30
4-Nitroaniline	108		94		70-130	14		30
Dibenzofuran	94		83		70-130	12		30
2-Methylnaphthalene	97		86		70-130	12		30
2,4,6-Trichlorophenol	117		100		70-130	16		30
p-Chloro-m-cresol	109		95		70-130	14		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG2086982-2 WG2086982-3								
2-Chlorophenol	98		89		70-130	10		30
2,4-Dichlorophenol	109		95		70-130	14		30
2,4-Dimethylphenol	105		91		70-130	14		30
2-Nitrophenol	122		110		70-130	10		30
2,4-Dinitrophenol	129		113		20-160	13		30
4,6-Dinitro-o-cresol	125		110		70-130	13		30
Pentachlorophenol	101		89		20-160	13		30
Phenol	100		89		20-160	12		30
2-Methylphenol	103		92		70-130	11		30
3-Methylphenol/4-Methylphenol	107		94		20-160	13		30
2,4,5-Trichlorophenol	114		98		70-130	15		30
Carbazole	100		86		70-130	15		30
4-Nitrophenol	121		103		20-160	16		30
4-Bromophenyl phenyl ether	95		84		70-130	12		30
Benzaldehyde	86		80		20-160	7		30
Caprolactam	119		101		20-160	16		30
Acetophenone	105		94		70-130	11		30
Biphenyl	100		88		70-130	13		30
1,2,4,5-Tetrachlorobenzene	95		84		70-130	12		30
Atrazine	120		99		70-130	19		30
2,3,4,6-Tetrachlorophenol	112		98		70-130	13		30
1,4-Dioxane	83		72		20-160	14		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

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): 04 Batch: WG2086982-2 WG2086982-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	103		90		30-130
Phenol-d6	106		90		30-130
Nitrobenzene-d5	102		88		30-130
2-Fluorobiphenyl	97		81		30-130
2,4,6-Tribromophenol	117		98		30-130
4-Terphenyl-d14	101		83		30-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG2087117-2 WG2087117-3								
Acenaphthene	89		67	Q	70-130	28		30
2-Chloronaphthalene	96		71		70-130	30		30
Hexachlorobenzene	86		65	Q	70-130	28		30
Bis(2-chloroethyl)ether	90		69	Q	70-130	26		30
3,3'-Dichlorobenzidine	90		67	Q	70-130	29		30
2,4-Dinitrotoluene	104		79		70-130	27		30
2,6-Dinitrotoluene	114		87		70-130	27		30
Fluoranthene	93		71		70-130	27		30
4-Chlorophenyl phenyl ether	90		68	Q	70-130	28		30
Bis(2-chloroisopropyl)ether	107		82		70-130	26		30
Bis(2-chloroethoxy)methane	94		71		70-130	28		30
Hexachlorobutadiene	92		67	Q	70-130	31	Q	30
Hexachlorocyclopentadiene	93		68		20-160	31	Q	30
Hexachloroethane	94		71		20-160	28		30
Isophorone	94		72		70-130	27		30
Naphthalene	90		66	Q	70-130	31	Q	30
Nitrobenzene	99		76		70-130	26		30
NDPA/DPA	92		70		70-130	27		30
n-Nitrosodi-n-propylamine	100		76		70-130	27		30
Bis(2-ethylhexyl)phthalate	103		79		70-130	26		30
Butyl benzyl phthalate	102		77		70-130	28		30
Di-n-butylphthalate	102		76		70-130	29		30
Di-n-octylphthalate	104		79		70-130	27		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Project Number: RAMSEY SD

Lab Number: L2541647

Report Date: 07/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG2087117-2 WG2087117-3								
Diethyl phthalate	95		72		70-130	28		30
Dimethyl phthalate	96		74		70-130	26		30
Benzo(a)anthracene	93		70		70-130	28		30
Benzo(a)pyrene	88		64	Q	70-130	32	Q	30
Benzo(b)fluoranthene	90		62	Q	70-130	37	Q	30
Benzo(k)fluoranthene	83		65	Q	70-130	24		30
Chrysene	92		69	Q	70-130	29		30
Acenaphthylene	97		72		70-130	30		30
Anthracene	92		69	Q	70-130	29		30
Benzo(ghi)perylene	98		71		70-130	32	Q	30
Fluorene	92		69	Q	70-130	29		30
Phenanthrene	91		68	Q	70-130	29		30
Dibenzo(a,h)anthracene	95		70		70-130	30		30
Indeno(1,2,3-cd)pyrene	95		71		70-130	29		30
Pyrene	92		69	Q	70-130	29		30
4-Chloroaniline	87		65		20-160	29		30
2-Nitroaniline	114		87		70-130	27		30
3-Nitroaniline	92		73		70-130	23		30
4-Nitroaniline	103		77		70-130	29		30
Dibenzofuran	90		68	Q	70-130	28		30
2-Methylnaphthalene	94		69	Q	70-130	31	Q	30
2,4,6-Trichlorophenol	105		79		70-130	28		30
p-Chloro-m-cresol	101		78		70-130	26		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG2087117-2 WG2087117-3								
2-Chlorophenol	98		74		70-130	28		30
2,4-Dichlorophenol	100		76		70-130	27		30
2,4-Dimethylphenol	100		78		70-130	25		30
2-Nitrophenol	120		89		70-130	30		30
2,4-Dinitrophenol	121		92		20-160	27		30
4,6-Dinitro-o-cresol	118		88		70-130	29		30
Pentachlorophenol	101		77		20-160	27		30
Phenol	103		78		20-160	28		30
2-Methylphenol	100		76		70-130	27		30
3-Methylphenol/4-Methylphenol	107		81		20-160	28		30
2,4,5-Trichlorophenol	109		83		70-130	27		30
Carbazole	94		71		70-130	28		30
4-Nitrophenol	132		101		20-160	27		30
4-Bromophenyl phenyl ether	88		68	Q	70-130	26		30
Benzaldehyde	88		68		20-160	26		30
Caprolactam	140		108		20-160	26		30
Acetophenone	96		73		70-130	27		30
Biphenyl	95		71		70-130	29		30
1,2,4,5-Tetrachlorobenzene	97		72		70-130	30		30
Atrazine	108		82		70-130	27		30
2,3,4,6-Tetrachlorophenol	99		74		70-130	29		30
1,4-Dioxane	77		59		20-160	26		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

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): 02 Batch: WG2087117-2 WG2087117-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	101		75		30-130
Phenol-d6	100		75		30-130
Nitrobenzene-d5	104		78		30-130
2-Fluorobiphenyl	91		67		30-130
2,4,6-Tribromophenol	96		70		30-130
4-Terphenyl-d14	85		62		30-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
SPLP Semivolatile Organics by EPA 1312 - Westborough Lab Associated sample(s): 04 Batch: WG2087769-2 WG2087769-3								
Acenaphthene	88		82		70-130	7		20
2-Chloronaphthalene	82		80		70-130	2		20
Hexachlorobenzene	98		87		70-130	12		20
Fluoranthene	108		97		70-130	11		20
Naphthalene	70		75		70-130	7		20
2-Methylnaphthalene	78		78		70-130	0		20
Benzo(a)anthracene	104		90		70-130	14		20
Benzo(a)pyrene	121		104		70-130	15		20
Benzo(b)fluoranthene	122		103		70-130	17		20
Benzo(k)fluoranthene	115		100		70-130	14		20
Chrysene	101		87		70-130	15		20
Acenaphthylene	94		89		70-130	5		20
Anthracene	99		89		70-130	11		20
Benzo(ghi)perylene	126		108		70-130	15		20
Fluorene	99		90		70-130	10		20
Phenanthrene	98		86		70-130	13		20
Dibenzo(a,h)anthracene	114		99		70-130	14		20
Indeno(1,2,3-cd)Pyrene	139	Q	120		70-130	15		20
Pyrene	107		96		70-130	11		20
Pentachlorophenol	123		113		70-130	8		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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SPLP Semivolatile Organics by EPA 1312 - Westborough Lab Associated sample(s): 04 Batch: WG2087769-2 WG2087769-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		60		15-110
Phenol-d6	43		47		15-110
Nitrobenzene-d5	80		90		30-130
2-Fluorobiphenyl	81		79		30-130
2,4,6-Tribromophenol	91		82		15-110
4-Terphenyl-d14	99		88		30-130

PETROLEUM HYDROCARBONS

Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25**SAMPLE RESULTS**

Lab ID: L2541647-02
 Client ID: A3-1.5
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/02/25 09:45
 Date Received: 07/02/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 103,NJDEP EPH
 Analytical Date: 07/07/25 14:32
 Analyst: CRE
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 07/04/25 11:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	26.6	26.6	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Chloro-Octadecane	83			40-140		
o-Terphenyl	82			40-140		

Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25**SAMPLE RESULTS**

Lab ID: L2541647-04
 Client ID: CP001-1
 Sample Location: RAMSEY HIGH SCHOOL

Date Collected: 07/02/25 11:40
 Date Received: 07/02/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 103,NJDEP EPH
 Analytical Date: 07/07/25 17:30
 Analyst: CRE
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 07/04/25 11:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	70.1		mg/kg	25.6	25.6	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Chloro-Octadecane	85			40-140		
o-Terphenyl	83			40-140		

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2541647
Report Date: 07/15/25

Method Blank Analysis Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 07/06/25 15:34
Analyst: SBR

Extraction Method: EPA 3546
Extraction Date: 07/03/25 13:04

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 02,04 Batch: WG2086784-1					
Total EPH	ND		mg/kg	23.1	23.1

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	79		40-140
o-Terphenyl	82		40-140

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02,04 Batch: WG2086784-2 WG2086784-3								
Total EPH	95		94		40-140	1		25
Nonane (C9)	87		91		40-140	4		25
Decane (C10)	88		92		40-140	4		25
Dodecane (C12)	88		90		40-140	2		25
Tetradecane (C14)	85		86		40-140	1		25
Hexadecane (C16)	85		85		40-140	0		25
Octadecane (C18)	81		81		40-140	0		25
Eicosane (C20)	80		80		40-140	0		25
Heneicosane (C21)	82		82		40-140	0		25
Docosane (C22)	83		82		40-140	1		25
Tetracosane (C24)	84		84		40-140	0		25
Hexacosane (C26)	84		84		40-140	0		25
Octacosane (C28)	84		84		40-140	0		25
Triacontane (C30)	85		85		40-140	0		25
Dotriacontane (C32)	86		86		40-140	0		25
Tetratriacontane (C34)	84		85		40-140	1		25
Hexatriacontane (C36)	87		88		40-140	1		25
Octatriacontane (C38)	86		87		40-140	1		25
Tetracontane (C40)	88		90		40-140	2		25

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

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): 02,04 Batch: WG2086784-2 WG2086784-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	85		84		40-140
o-Terphenyl	85		84		40-140

Matrix Spike Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

<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): 02,04 QC Batch ID: WG2086784-4 QC Sample: L2541021-07 Client ID: MS Sample												
Total EPH	ND	304	277	91		-	-		40-140	-		50
Nonane (C9)	ND	8.43	8.49	101		-	-		40-140	-		50
Decane (C10)	ND	8.43	8.57	102		-	-		40-140	-		50
Dodecane (C12)	ND	8.43	8.29	98		-	-		40-140	-		50
Tetradecane (C14)	ND	8.43	7.93	94		-	-		40-140	-		50
Hexadecane (C16)	ND	8.43	7.78	92		-	-		40-140	-		50
Octadecane (C18)	ND	8.43	7.43	88		-	-		40-140	-		50
Eicosane (C20)	ND	8.43	7.39	88		-	-		40-140	-		50
Heneicosane (C21)	ND	8.43	7.59	90		-	-		40-140	-		50
Docosane (C22)	ND	8.43	7.62	90		-	-		40-140	-		50
Tetracosane (C24)	ND	8.43	7.74	92		-	-		40-140	-		50
Hexacosane (C26)	ND	8.43	7.83	93		-	-		40-140	-		50
Octacosane (C28)	ND	8.43	7.84	93		-	-		40-140	-		50
triacontane (C30)	ND	8.43	7.84	93		-	-		40-140	-		50
Dotriacontane (C32)	ND	8.43	8.03	95		-	-		40-140	-		50
Tetratriacontane (C34)	ND	8.43	7.81	93		-	-		40-140	-		50
Hexatriacontane (C36)	ND	8.43	8.09	96		-	-		40-140	-		50
Octatriacontane (C38)	ND	8.43	7.94	94		-	-		40-140	-		50
Tetracontane (C40)	ND	8.43	8.13	96		-	-		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	88				40-140

Matrix Spike Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

<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): 02,04 QC Batch ID: WG2086784-4 QC Sample: L2541021-07
 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	88				40-140

Lab Duplicate Analysis

Batch Quality Control

Project Name: RAMSEY SD

Project Number: RAMSEY SD

Lab Number: L2541647

Report Date: 07/15/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02,04 QC Batch ID: WG2086784-5 QC Sample: L2541021-07 Client ID: DUP Sample						
Total EPH	ND	ND	mg/kg	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	78		82		40-140
o-Terphenyl	79		83		40-140

METALS

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

SAMPLE RESULTS

Lab ID: L2541647-02

Date Collected: 07/02/25 09:45

Client ID: A3-1.5

Date Received: 07/02/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4810		mg/kg	8.85	2.88	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.42	3.41	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC
Arsenic, Total	1.49		mg/kg	0.885	0.382	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC
Barium, Total	23.1		mg/kg	0.885	0.094	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.202	J	mg/kg	0.442	0.049	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.885	0.049	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC
Calcium, Total	852		mg/kg	8.85	5.02	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC
Chromium, Total	9.96		mg/kg	0.885	0.750	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC
Cobalt, Total	2.22		mg/kg	1.77	0.220	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC
Copper, Total	5.60		mg/kg	0.885	0.201	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC
Iron, Total	8030		mg/kg	4.42	0.929	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC
Lead, Total	2.83	J	mg/kg	4.42	0.211	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC
Magnesium, Total	1220		mg/kg	8.85	1.44	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC
Manganese, Total	124		mg/kg	0.885	0.474	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.089	0.058	1	07/10/25 08:11	07/10/25 10:57	EPA 7471B	1,7471B	JWN
Nickel, Total	5.74		mg/kg	2.21	0.715	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC
Potassium, Total	234		mg/kg	221	44.9	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.77	0.291	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.442	0.264	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC
Sodium, Total	353		mg/kg	177	93.8	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.77	0.798	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC
Vanadium, Total	12.3		mg/kg	0.885	0.134	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC
Zinc, Total	16.6		mg/kg	4.42	0.536	2	07/10/25 07:11	07/10/25 11:08	EPA 3050B	1,6010D	DMC



Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25**SAMPLE RESULTS**

Lab ID: L2541647-03

Date Collected: 07/02/25 11:50

Client ID: ST-W1

Date Received: 07/02/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/06/25 22:36

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
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SPLP Metals by EPA 1312 - Mansfield Lab

Lead, SPLP	ND		ug/l	10.0	3.43	10	07/09/25 20:57	07/10/25 12:36	EPA 3015	1,6020B	BLR
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Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25**SAMPLE RESULTS**

Lab ID: L2541647-03

Date Collected: 07/02/25 11:50

Client ID: ST-W1

Date Received: 07/02/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	2.47	J	mg/kg	4.48	0.214	2	07/10/25 07:11	07/10/25 11:11	EPA 3050B	1,6010D	DMC



Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

SAMPLE RESULTS

Lab ID: L2541647-04

Date Collected: 07/02/25 11:40

Client ID: CP001-1

Date Received: 07/02/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/06/25 22:36

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
SPLP Metals by EPA 1312 - Mansfield Lab											
Aluminum, SPLP	7220		ug/l	100.	32.7	10	07/09/25 20:57	07/10/25 18:35	EPA 3015	1,6020B	BLR
Antimony, SPLP	ND		ug/l	40.0	4.29	10	07/09/25 20:57	07/10/25 18:35	EPA 3015	1,6020B	BLR
Arsenic, SPLP	5.44		ug/l	5.00	1.65	10	07/09/25 20:57	07/10/25 18:35	EPA 3015	1,6020B	BLR
Barium, SPLP	201.		ug/l	40.0	1.73	10	07/09/25 20:57	07/10/25 18:35	EPA 3015	1,6020B	BLR
Beryllium, SPLP	ND		ug/l	5.00	1.07	10	07/09/25 20:57	07/10/25 18:35	EPA 3015	1,6020B	BLR
Cadmium, SPLP	ND		ug/l	2.00	0.599	10	07/09/25 20:57	07/10/25 18:35	EPA 3015	1,6020B	BLR
Calcium, SPLP	4580		ug/l	1000	394.	10	07/09/25 20:57	07/10/25 18:35	EPA 3015	1,6020B	BLR
Chromium, SPLP	11.6		ug/l	10.0	1.78	10	07/09/25 20:57	07/10/25 18:35	EPA 3015	1,6020B	BLR
Cobalt, SPLP	5.43		ug/l	5.00	1.63	10	07/09/25 20:57	07/10/25 18:35	EPA 3015	1,6020B	BLR
Copper, SPLP	29.0		ug/l	10.0	3.84	10	07/09/25 20:57	07/10/25 18:35	EPA 3015	1,6020B	BLR
Iron, SPLP	11600		ug/l	500.	191.	10	07/09/25 20:57	07/10/25 18:35	EPA 3015	1,6020B	BLR
Lead, SPLP	51.3		ug/l	10.0	3.43	10	07/09/25 20:57	07/10/25 18:35	EPA 3015	1,6020B	BLR
Magnesium, SPLP	2370		ug/l	700.	242.	10	07/09/25 20:57	07/10/25 18:35	EPA 3015	1,6020B	BLR
Manganese, SPLP	183.		ug/l	10.0	4.40	10	07/09/25 20:57	07/10/25 18:35	EPA 3015	1,6020B	BLR
Mercury, SPLP	0.182	J	ug/l	0.200	0.091	1	07/10/25 01:19	07/10/25 08:09	EPA 7470A	1,7470A	JWN
Nickel, SPLP	8.43	J	ug/l	20.0	5.56	10	07/09/25 20:57	07/10/25 18:35	EPA 3015	1,6020B	BLR
Potassium, SPLP	962.	J	ug/l	1000	309.	10	07/09/25 20:57	07/10/25 18:35	EPA 3015	1,6020B	BLR
Selenium, SPLP	ND		ug/l	50.0	17.3	10	07/09/25 20:57	07/10/25 18:35	EPA 3015	1,6020B	BLR
Silver, SPLP	ND		ug/l	4.00	1.63	10	07/09/25 20:57	07/10/25 18:35	EPA 3015	1,6020B	BLR
Sodium, SPLP	21700		ug/l	5000	293.	10	07/09/25 20:57	07/10/25 18:35	EPA 3015	1,6020B	BLR
Thallium, SPLP	ND		ug/l	20.0	1.43	10	07/09/25 20:57	07/10/25 18:35	EPA 3015	1,6020B	BLR
Vanadium, SPLP	22.0	J	ug/l	50.0	15.7	10	07/09/25 20:57	07/10/25 18:35	EPA 3015	1,6020B	BLR
Zinc, SPLP	19.2		ug/l	10.0	3.41	1	07/09/25 20:57	07/10/25 16:10	EPA 3015	1,6020B	BLR



Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

SAMPLE RESULTS

Lab ID: L2541647-04

Date Collected: 07/02/25 11:40

Client ID: CP001-1

Date Received: 07/02/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4420		mg/kg	8.31	2.70	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.16	3.20	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC
Arsenic, Total	1.58		mg/kg	0.831	0.359	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC
Barium, Total	20.6		mg/kg	0.831	0.088	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.214	J	mg/kg	0.416	0.046	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.831	0.046	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC
Calcium, Total	10400		mg/kg	8.31	4.71	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC
Chromium, Total	7.15		mg/kg	0.831	0.705	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC
Cobalt, Total	3.86		mg/kg	1.66	0.206	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC
Copper, Total	10.8		mg/kg	0.831	0.189	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC
Iron, Total	9330		mg/kg	4.16	0.873	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC
Lead, Total	11.6		mg/kg	4.16	0.198	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC
Magnesium, Total	7310		mg/kg	8.31	1.36	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC
Manganese, Total	149		mg/kg	0.831	0.446	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.080	0.052	1	07/10/25 08:11	07/10/25 11:01	EPA 7471B	1,7471B	JWN
Nickel, Total	6.70		mg/kg	2.08	0.672	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC
Potassium, Total	278		mg/kg	208	42.2	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.66	0.274	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.416	0.248	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC
Sodium, Total	644		mg/kg	166	88.1	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.66	0.750	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC
Vanadium, Total	13.9		mg/kg	0.831	0.126	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC
Zinc, Total	22.4		mg/kg	4.16	0.504	2	07/10/25 07:11	07/10/25 11:14	EPA 3050B	1,6010D	DMC



Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
SPLP Metals by EPA 1312 - Mansfield Lab for sample(s): 03-04 Batch: WG2088702-1										
Aluminum, SPLP	ND		ug/l	100	32.7	10	07/09/25 20:57	07/10/25 12:11	1,6020B	BLR
Antimony, SPLP	ND		ug/l	40.0	4.29	10	07/09/25 20:57	07/10/25 12:11	1,6020B	BLR
Arsenic, SPLP	ND		ug/l	5.00	1.65	10	07/09/25 20:57	07/10/25 12:11	1,6020B	BLR
Barium, SPLP	37.2	J	ug/l	40.0	1.73	10	07/09/25 20:57	07/10/25 12:11	1,6020B	BLR
Beryllium, SPLP	ND		ug/l	5.00	1.07	10	07/09/25 20:57	07/10/25 12:11	1,6020B	BLR
Cadmium, SPLP	ND		ug/l	2.00	0.599	10	07/09/25 20:57	07/10/25 12:11	1,6020B	BLR
Calcium, SPLP	ND		ug/l	1000	394.	10	07/09/25 20:57	07/10/25 12:11	1,6020B	BLR
Chromium, SPLP	ND		ug/l	10.0	1.78	10	07/09/25 20:57	07/10/25 12:11	1,6020B	BLR
Cobalt, SPLP	ND		ug/l	5.00	1.63	10	07/09/25 20:57	07/10/25 12:11	1,6020B	BLR
Copper, SPLP	ND		ug/l	10.0	3.84	10	07/09/25 20:57	07/10/25 12:11	1,6020B	BLR
Iron, SPLP	ND		ug/l	500	191.	10	07/09/25 20:57	07/10/25 12:11	1,6020B	BLR
Lead, SPLP	ND		ug/l	10.0	3.43	10	07/09/25 20:57	07/10/25 12:11	1,6020B	BLR
Magnesium, SPLP	ND		ug/l	700	242.	10	07/09/25 20:57	07/10/25 12:11	1,6020B	BLR
Manganese, SPLP	ND		ug/l	10.0	4.40	10	07/09/25 20:57	07/10/25 12:11	1,6020B	BLR
Nickel, SPLP	ND		ug/l	20.0	5.56	10	07/09/25 20:57	07/10/25 12:11	1,6020B	BLR
Potassium, SPLP	ND		ug/l	1000	309.	10	07/09/25 20:57	07/10/25 12:11	1,6020B	BLR
Selenium, SPLP	ND		ug/l	50.0	17.3	10	07/09/25 20:57	07/10/25 12:11	1,6020B	BLR
Silver, SPLP	ND		ug/l	4.00	1.63	10	07/09/25 20:57	07/10/25 12:11	1,6020B	BLR
Sodium, SPLP	ND		ug/l	5000	293.	10	07/09/25 20:57	07/10/25 12:11	1,6020B	BLR
Thallium, SPLP	1.46	J	ug/l	20.0	1.43	10	07/09/25 20:57	07/10/25 12:11	1,6020B	BLR
Vanadium, SPLP	ND		ug/l	50.0	15.7	10	07/09/25 20:57	07/10/25 12:11	1,6020B	BLR
Zinc, SPLP	ND		ug/l	10.0	3.41	1	07/09/25 20:57	07/10/25 15:50	1,6020B	BLR

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 07/06/25 22:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
SPLP Metals by EPA 1312 - Mansfield Lab for sample(s): 04 Batch: WG2088703-1										
Mercury, SPLP	ND		ug/l	0.200	0.091	1	07/10/25 01:19	07/10/25 08:02	1,7470A	JWN



Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 07/06/25 22:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02-04 Batch: WG2088712-1										
Aluminum, Total	ND		mg/kg	4.00	1.30	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC
Antimony, Total	ND		mg/kg	2.00	1.54	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC
Arsenic, Total	ND		mg/kg	0.400	0.173	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC
Barium, Total	ND		mg/kg	0.400	0.042	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC
Beryllium, Total	ND		mg/kg	0.200	0.022	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.400	0.022	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC
Calcium, Total	ND		mg/kg	4.00	2.27	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC
Chromium, Total	ND		mg/kg	0.400	0.339	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC
Cobalt, Total	ND		mg/kg	0.800	0.099	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC
Copper, Total	ND		mg/kg	0.400	0.091	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC
Iron, Total	0.582	J	mg/kg	2.00	0.420	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC
Lead, Total	ND		mg/kg	2.00	0.095	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC
Magnesium, Total	ND		mg/kg	4.00	0.652	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC
Manganese, Total	ND		mg/kg	0.400	0.214	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC
Nickel, Total	ND		mg/kg	1.00	0.323	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC
Potassium, Total	ND		mg/kg	100	20.3	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC
Selenium, Total	ND		mg/kg	0.800	0.132	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC
Silver, Total	ND		mg/kg	0.200	0.119	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC
Sodium, Total	ND		mg/kg	80.0	42.4	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC
Thallium, Total	ND		mg/kg	0.800	0.361	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC
Vanadium, Total	ND		mg/kg	0.400	0.060	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC
Zinc, Total	ND		mg/kg	2.00	0.242	1	07/10/25 07:11	07/10/25 10:06	1,6010D	DMC

Prep Information

Digestion Method: EPA 3050B



Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,04 Batch: WG2088714-1										
Mercury, Total	ND		mg/kg	0.020	0.013	1	07/10/25 08:11	07/10/25 10:06	1,7471B	JWN

Prep Information

Digestion Method: EPA 7471B



Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
SPLP Metals by EPA 1312 - Mansfield Lab Associated sample(s): 03-04 Batch: WG2088702-2								
Aluminum, SPLP	98		-		80-120	-		
Antimony, SPLP	105		-		80-120	-		
Arsenic, SPLP	108		-		80-120	-		
Barium, SPLP	106		-		80-120	-		
Beryllium, SPLP	104		-		80-120	-		
Cadmium, SPLP	103		-		80-120	-		
Calcium, SPLP	107		-		80-120	-		
Chromium, SPLP	101		-		80-120	-		
Cobalt, SPLP	100		-		80-120	-		
Copper, SPLP	102		-		80-120	-		
Iron, SPLP	111		-		80-120	-		
Lead, SPLP	102		-		80-120	-		
Magnesium, SPLP	99		-		80-120	-		
Manganese, SPLP	105		-		80-120	-		
Nickel, SPLP	104		-		80-120	-		
Potassium, SPLP	100		-		80-120	-		
Selenium, SPLP	102		-		80-120	-		
Silver, SPLP	108		-		80-120	-		
Sodium, SPLP	98		-		80-120	-		
Thallium, SPLP	98		-		80-120	-		
Vanadium, SPLP	103		-		80-120	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
SPLP Metals by EPA 1312 - Mansfield Lab Associated sample(s): 03-04 Batch: WG2088702-2					
Zinc, SPLP	106	-	80-120	-	
SPLP Metals by EPA 1312 - Mansfield Lab Associated sample(s): 04 Batch: WG2088703-2					
Mercury, SPLP	92	-	80-120	-	

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-04 Batch: WG2088712-2					
Aluminum, Total	102	-	80-120	-	
Antimony, Total	102	-	80-120	-	
Arsenic, Total	102	-	80-120	-	
Barium, Total	101	-	80-120	-	
Beryllium, Total	101	-	80-120	-	
Cadmium, Total	100	-	80-120	-	
Calcium, Total	102	-	80-120	-	
Chromium, Total	104	-	80-120	-	
Cobalt, Total	100	-	80-120	-	
Copper, Total	104	-	80-120	-	
Iron, Total	102	-	80-120	-	
Lead, Total	102	-	80-120	-	
Magnesium, Total	106	-	80-120	-	
Manganese, Total	98	-	80-120	-	
Nickel, Total	103	-	80-120	-	
Potassium, Total	107	-	80-120	-	
Selenium, Total	104	-	80-120	-	
Silver, Total	97	-	80-120	-	
Sodium, Total	112	-	80-120	-	
Thallium, Total	103	-	80-120	-	
Vanadium, Total	105	-	80-120	-	

Lab Control Sample Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-04 Batch: WG2088712-2					
Zinc, Total	101	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 02,04 Batch: WG2088714-2					
Mercury, Total	104	-	80-120	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
SPLP Metals by EPA 1312 - Mansfield Lab Associated sample(s): 03-04 QC Batch ID: WG2088702-3 QC Sample: L2541647-03 Client ID: ST-W1												
Aluminum, SPLP	345	2000	2360	101		-	-		80-120	-		20
Antimony, SPLP	ND	500	523	105		-	-		80-120	-		20
Arsenic, SPLP	ND	120	125	104		-	-		80-120	-		20
Barium, SPLP	36.9	2000	2120	104		-	-		80-120	-		20
Beryllium, SPLP	ND	50	51.5	103		-	-		80-120	-		20
Cadmium, SPLP	ND	53	55.4	104		-	-		80-120	-		20
Calcium, SPLP	1760	10000	11100	93		-	-		80-120	-		20
Chromium, SPLP	ND	200	199	100		-	-		80-120	-		20
Cobalt, SPLP	ND	500	496	99		-	-		80-120	-		20
Copper, SPLP	ND	250	257	103		-	-		80-120	-		20
Iron, SPLP	274J	1000	1330	133	Q	-	-		80-120	-		20
Lead, SPLP	ND	530	534	101		-	-		80-120	-		20
Magnesium, SPLP	304J	10000	10000	100		-	-		80-120	-		20
Manganese, SPLP	4.52J	500	513	103		-	-		80-120	-		20
Nickel, SPLP	ND	500	508	102		-	-		80-120	-		20
Potassium, SPLP	ND	10000	10400	104		-	-		80-120	-		20
Selenium, SPLP	ND	120	121	101		-	-		80-120	-		20
Silver, SPLP	ND	50	52.8	106		-	-		80-120	-		20
Sodium, SPLP	1910J	10000	12300	123	Q	-	-		80-120	-		20
Thallium, SPLP	ND	120	116	97		-	-		80-120	-		20
Vanadium, SPLP	ND	500	502	100		-	-		80-120	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
SPLP Metals by EPA 1312 - Mansfield Lab Associated sample(s): 03-04 QC Batch ID: WG2088702-3 QC Sample: L2541647-03 Client ID: ST-W1									
Zinc, SPLP	51.3J	500	565	113	-	-	80-120	-	20
SPLP Metals by EPA 1312 - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG2088703-3 QC Sample: L2541647-04 Client ID: CP001-1									
Mercury, SPLP	0.182J	5	4.60	92	-	-	75-125	-	20

Lab Duplicate Analysis*Batch Quality Control***Project Name:** RAMSEY SD**Project Number:** RAMSEY SD**Lab Number:** L2541647**Report Date:** 07/15/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
SPLP Metals by EPA 1312 - Mansfield Lab Associated sample(s): 03-04 QC Batch ID: WG2088702-4 QC Sample: L2541647-03 Client ID: ST-W1						
Lead, SPLP	ND	ND	ug/l	NC		20
SPLP Metals by EPA 1312 - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG2088703-4 QC Sample: L2541647-04 Client ID: CP001-1						
Mercury, SPLP	0.182J	0.183J	ug/l	NC		20

INORGANICS & MISCELLANEOUS

Project Name: RAMSEY SD**Project Number:** RAMSEY SD**Lab Number:** L2541647**Report Date:** 07/15/25**SAMPLE RESULTS****Lab ID:** L2541647-01**Client ID:** SW-E1-2**Sample Location:** RAMSEY HIGH SCHOOL**Date Collected:** 07/02/25 12:30**Date Received:** 07/02/25**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	89.3		%	0.100	NA	1	-	07/03/25 13:18	121,2540G	RJF



Project Name: RAMSEY SD**Project Number:** RAMSEY SD**Lab Number:** L2541647**Report Date:** 07/15/25**SAMPLE RESULTS****Lab ID:** L2541647-02**Client ID:** A3-1.5**Sample Location:** RAMSEY HIGH SCHOOL**Date Collected:** 07/02/25 09:45**Date Received:** 07/02/25**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	89.1		%	0.100	NA	1	-	07/03/25 13:18	121,2540G	RJF



Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

SAMPLE RESULTS

Lab ID: L2541647-03

Date Collected: 07/02/25 11:50

Client ID: ST-W1

Date Received: 07/02/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
SPLP Extraction Data by EPA 1312 - Westborough Lab										
Sample Weight	0.100		kg	-	NA	1	07/06/25 22:36	07/07/25 14:36	1,1312	PRG
Leachate Volume	2.00		l	-	NA	1	07/06/25 22:36	07/07/25 14:36	1,1312	PRG
pH, Extraction Post-Filtration	6.06		SU	-	NA	1	07/06/25 22:36	07/07/25 14:36	1,1312	PRG
General Chemistry - Westborough Lab										
Solids, Total	88.6		%	0.100	NA	1	-	07/03/25 13:18	121,2540G	RJF



Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

SAMPLE RESULTS

Lab ID: L2541647-04

Date Collected: 07/02/25 11:40

Client ID: CP001-1

Date Received: 07/02/25

Sample Location: RAMSEY HIGH SCHOOL

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
SPLP Extraction Data by EPA 1312 - Westborough Lab										
Sample Weight	0.100		kg	-	NA	1	07/06/25 22:36	07/07/25 14:36	1,1312	PRG
Leachate Volume	2.00		l	-	NA	1	07/06/25 22:36	07/07/25 14:36	1,1312	PRG
pH, Extraction Post-Filtration	6.84		SU	-	NA	1	07/06/25 22:36	07/07/25 14:36	1,1312	PRG
General Chemistry - Westborough Lab										
Solids, Total	92.3		%	0.100	NA	1	-	07/03/25 13:18	121,2540G	RJF



Project Name: RAMSEY SD

Lab Number: L2541647

Project Number: RAMSEY SD

Report Date: 07/15/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
SPLP Extraction Data by EPA 1312 - Westborough Lab for sample(s): 03-04 Batch: WG2089032-1										
Sample Weight	ND		kg	-	NA	1	07/06/25 22:36	07/07/25 14:36	1,1312	PRG
Leachate Volume	2.00		l	-	NA	1	07/06/25 22:36	07/07/25 14:36	1,1312	PRG
pH, Extraction Post-Filtration	4.97		SU	-	NA	1	07/06/25 22:36	07/07/25 14:36	1,1312	PRG



Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25**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(*)
L2541647-01A	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2541647-01B	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2541647-01C	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2541647-01F	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2541647-01X	Vial MeOH preserved split	NA	NA			Y	Absent		NJ-8260HLW(14)
L2541647-01Y	Vial Water preserved split	NA	NA			Y	Absent	03-JUL-25 08:26	NJ-8260HLW(14)
L2541647-01Z	Vial Water preserved split	NA	NA			Y	Absent	03-JUL-25 08:26	NJ-8260HLW(14)
L2541647-02A	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2541647-02B	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2541647-02C	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2541647-02F	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2541647-02G	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2541647-02H	Glass 250ml/8oz unpreserved	NA	NA			Y	Absent		NJEPH-TPH-CAT2(14),NJ-8270(14)
L2541647-02X	Vial MeOH preserved split	NA	NA			Y	Absent		NJ-8260HLW(14)
L2541647-02Y	Vial Water preserved split	NA	NA			Y	Absent	03-JUL-25 08:26	NJ-8260HLW(14)
L2541647-02Z	Vial Water preserved split	NA	NA			Y	Absent	03-JUL-25 08:26	NJ-8260HLW(14)
L2541647-03A	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2541647-03B	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2541647-03C	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)

Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2541647-03D	25 gram Encore Sampler	NA	NA			Y	Absent		NJ-SPLPZHEEXT-DATA(14),NJ-SPLP-EXT-ZHE(2)
L2541647-03E	25 gram Encore Sampler	NA	NA			Y	Absent		NJ-SPLPZHEEXT-DATA(14),NJ-SPLP-EXT-ZHE(2)
L2541647-03F	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2541647-03G	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		PB-TI(180)
L2541647-03H	Glass 250ml/8oz unpreserved	NA	NA			Y	Absent		-
L2541647-03T	Plastic 250ml HNO3 preserved Extracts	NA	NA			Y	Absent		SPLP-PB-6020T-PPB(180)
L2541647-03U	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2541647-03V	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2541647-03W	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2541647-03X	Vial MeOH preserved split	NA	NA			Y	Absent		NJ-8260HLW(14)
L2541647-03X9	Tumble Vessel	NA	NA			Y	Absent		-
L2541647-03Y	Vial Water preserved split	NA	NA			Y	Absent	03-JUL-25 08:26	NJ-8260HLW(14)
L2541647-03Z	Vial Water preserved split	NA	NA			Y	Absent	03-JUL-25 08:26	NJ-8260HLW(14)
L2541647-04A	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2541647-04B	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2541647-04C	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2541647-04D	25 gram Encore Sampler	NA	NA			Y	Absent		NJ-SPLPZHEEXT-DATA(14),NJ-SPLP-EXT-ZHE(2)
L2541647-04E	25 gram Encore Sampler	NA	NA			Y	Absent		NJ-SPLPZHEEXT-DATA(14),NJ-SPLP-EXT-ZHE(2)
L2541647-04F	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2541647-04G	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2541647-04H	Glass 250ml/8oz unpreserved	NA	NA			Y	Absent		NJEPH-TPH-CAT2(14),NJ-8270(14)
L2541647-04J	Glass 500ml/16oz unpreserved	NA	NA			Y	Absent		NJEPH-TPH-CAT2(14),NJ-8270(14)
L2541647-04S	Amber 1L unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-8270SIM-RVT(14)

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Serial_No: 07152512:54
Lab Number: L2541647
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2541647-04T	Plastic 250ml HNO3 preserved Extracts	NA	NA			Y	Absent		HG-P-PPB(28),SPLP-CR-6020T-PPB(180),SPLP-SB-6020T-PPB(180),SPLP-CO-6020T-PPB(180),SPLP-CA-6020T-PPB(180),SPLP-AL-6020T-PPB(180),SPLP-NI-6020T-PPB(180),SPLP-AG-6020T-PPB(180),SPLP-CD-6020T-PPB(180),SPLP-FE-6020T-PPB(180),SPLP-ZN-6020T-PPB(180),SPLP-MN-6020T-PPB(180),SPLP-MG-6020T-PPB(180),SPLP-AS-6020T-PPB(180),SPLP-K-6020T-PPB(180),SPLP-NA-6020T-PPB(180),SPLP-PB-6020T-PPB(180),SPLP-CU-6020T-PPB(180),SPLP-SE-6020T-PPB(180),SPLP-BA-6020T-PPB(180),SPLP-TL-6020T-PPB(180),SPLP-V-6020T-PPB(180),SPLP-BE-6020T-PPB(180)
L2541647-04U	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2541647-04V	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2541647-04W	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2541647-04X	Vial MeOH preserved split	NA	NA			Y	Absent		NJ-8260HLW(14)
L2541647-04X9	Tumble Vessel	NA	NA			Y	Absent		-
L2541647-04Y	Vial Water preserved split	NA	NA			Y	Absent	03-JUL-25 08:26	NJ-8260HLW(14)
L2541647-04Z	Vial Water preserved split	NA	NA			Y	Absent	03-JUL-25 08:26	NJ-8260HLW(14)

Project Name: RAMSEY SD**Lab Number:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25

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

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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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



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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:** L2541647**Project Number:** RAMSEY SD**Report Date:** 07/15/25

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, **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**

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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.

07/02/25-2325



Sample Delivery Group Summary

Pace Job Number : L2541647

Received : 02-JUL-2025

Reviewer : Mohammed Wahed

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	2.9	

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 |
|--|----|