

ANALYTICAL RESULTS SUMMARY

METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : USACE018-44 DOD

FIRST ENVIRONMENT, INC.

10 Park Place, Bldg 1A, Suite 504

Butler, NJ - 07405

Phone No: 973-334-0003

ORDER ID : Q2820

ATTENTION : Al Smith



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q2820

Project ID : USACE018-44 DOD

Client : First Environment, Inc.

Lab Sample Number

Q2820-01
Q2820-02
Q2820-03
Q2820-04
Q2820-05
Q2820-06
Q2820-07
Q2820-08
Q2820-09
Q2820-10
Q2820-11
Q2820-12
Q2820-13
Q2820-14
Q2820-15
Q2820-16
Q2820-17
Q2820-18
Q2820-19
Q2820-20
Q2820-21
Q2820-22
Q2820-23
Q2820-24

Client Sample Number

82H-S
82H-W
82H-N
SOIL-DUP-1
518R-E
518R-N
518R-S
518R-W
705R-S
SOIL-DUP-2
10PC-W
10PC-S
10P-W
10P-E
10P-S
10P-N
88H-E
88H-N
88H-W
88H-S
22M-N
22M-W
22M-E
22M-S

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 8/22/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

First Environment, Inc.

Project Name: USACE018-44 DOD

Project # N/A

Order ID # Q2820

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

24 Solid samples were received on 08/08/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_W were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis of VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration method (82Y081225S.M) for Methylene chloride passing on Linear regression.

The Continuous Calibration File ID VW032080.D met the requirements except for 2-Hexanone, Bromoform and Dibromochloromethane are failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:

The Sample # 82H-W and 88H-S have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

The not QT review data is reported in the Miscellaneous.

The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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Signature_____

CASE NARRATIVE

First Environment, Inc.

Project Name: USACE018-44 DOD

Project # N/A

Order ID # Q2820

Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:

24 Solid samples were received on 08/08/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The samples were analyzed on instrument BNA_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for

82H-W [Terphenyl-d14 - 46%],

82H-N [Terphenyl-d14 - 46%],

SOIL-DUP-1 [Terphenyl-d14 - 52%],

518R-E [Terphenyl-d14 - 46%],

705R-S [Terphenyl-d14 - 47%],

10PC-W [Terphenyl-d14 - 50%],

10P-E [Terphenyl-d14 - 51%],

10P-N [Terphenyl-d14 - 45%],

88H-EMS [Terphenyl-d14 - 46%],

88H-EMSD [Terphenyl-d14 - 49%],

88H-N [Terphenyl-d14 - 48%],

22M-E [Terphenyl-d14 - 38%] and

22M-S [Terphenyl-d14 - 38%], as per method one acid and one base surrogate allow to fail therefore no corrective action taken, while for

518R-S [2-Fluorobiphenyl - 43%, Terphenyl-d14 - 38%],

518R-SRE [2-Fluorobiphenyl - 42%, Terphenyl-d14 - 36%],

82H-S [2-Fluorobiphenyl - 43%, Terphenyl-d14 - 42%],

82H-SRE [2-Fluorobiphenyl - 42%, Terphenyl-d14 - 42%],

88H-W [2-Fluorobiphenyl - 41%, Terphenyl-d14 - 41%],

88H-WRE [2-Fluorobiphenyl - 41%, Terphenyl-d14 - 42%],
88H-S [2,4,6-Tribromophenol - 37%, 2-Fluorobiphenyl - 31%, Nitrobenzene-d5 - 34%,
Terphenyl-d14 - 30%],
88H-SRE [2,4,6-Tribromophenol - 38%, 2-Fluorobiphenyl - 30%, Nitrobenzene-d5 -
34%, Terphenyl-d14 - 30%],
22M-N [2-Fluorobiphenyl - 40%, Terphenyl-d14 - 39%],
22M-NRE [2-Fluorobiphenyl - 40%, Terphenyl-d14 - 41%],
22M-W [2-Fluorobiphenyl - 42%, Terphenyl-d14 - 38%], and
22M-WRE [2-Fluorobiphenyl - 41%, Terphenyl-d14 - 40%], samples were reanalyzed to
confirm the failure and reported.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The MS {Q2830-05MS} with File ID: BF143367.D recoveries met the requirements for
all compounds except for bis(2-Ethylhexyl)phthalate[140%],
Butylbenzylphthalate[150%] and Di-n-butylphthalate[133%] due to matrix interference.

The MSD {Q2830-05MSD} with File ID: BF143368.D recoveries met the requirements
for all compounds except for 2,3,4,6-Tetrachlorophenol[133%], 2,6-
Dinitrotoluene[125%], 4,6-Dinitro-2-methylphenol[133%], 4-Nitroaniline[125%], bis(2-
Ethylhexyl)phthalate[157%], Butylbenzylphthalate[192%], Caprolactam[125%] and Di-
n-butylphthalate[142%] due to matrix interference.

The RPD for {Q2830-05MSD} with File ID: BF143368.D met criteria except for 4-
Nitroaniline[22%], 4-Nitrophenol[23%], Butylbenzylphthalate[25%], Caprolactam[22%]
and Pyrene[31%] due to difference in results of MS and MSD.

The Blank Spike for {PB169242BS} with File ID: BP025489.D met requirements for all
compounds except for 1,4-Dioxane[65%] failing biased low therefore no corrective
action taken.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% for certain compounds in the Initial Calibration (Method
8270-BF081225.M) for 2-Nitrophenol, Hexachlorocyclopentadiene, 2-Nitroaniline, 2,6-
Dinitrotoluene, 4-Nitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylephenol,
Pentachlorophenol, Butylbenzylphthalate, Bis(2-ethylhexylephthalate), Di-n-octyl
phthalate these Compounds are passing on Linear Regression while 2,4-Dinitrophenol is
passing on Quadratic Regression.

The %RSD is greater than 20% in the Initial Calibration (Method 8270-BF082025.M)
for Hexachlorocyclopentadiene, 2,4-Dinitrophenol these Compounds are passing on
Linear regression.

The %RSD is greater than 20% in the Initial Calibration (Method 8270-BP0805.M) for 2-Nitrophenol, 2-Nitroaniline, 2,4-Dinitrotoluene these Compounds are passing on Linear regression, and 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol these compounds are passing on Quadratic regression.

The Continuous Calibration File ID BF143365.D met the requirements except for Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Di-n-octyl phthalate and Pentachlorophenol are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID BF143539.D met the requirements except for Pentachlorophenol are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID BP025377.D met the requirements except for 2,2-oxybis(1-Chloropropane) is failing marginally low while 2,4-Dinitrophenol, 2,6-Dinitrotoluene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, Pentachlorophenol and 2,4,6-Tribromophenol are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID BP025422.D met the requirements except for Benzaldehyde is failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID BP025470.D met the requirements except for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol and Hexachlorocyclopentadiene are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID BP025485.D met the requirements except for 2,4-Dinitrophenol is failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID BP025487.D met the requirements except for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID BP025528.D met the requirements except for Benzaldehyde is failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

Samples 10P-S was diluted due to dirty matrix.



E. Additional Comments:

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The not QT review data is reported in the Miscellaneous.

The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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Signature_____

CASE NARRATIVE

First Environment, Inc.

Project Name: USACE018-44 DOD

Project # N/A

Order ID # Q2820

Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:

24 Solid samples were received on 08/08/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Pesticide-TCL. This data package contains results for Pesticide-TCL.

C. Analytical Techniques:

The analysis was performed on instrument ECD_D. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df.; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017-11. The analysis of Pesticide-TCLs was based on method 8081B and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for 705R-S [Decachlorobiphenyl(1)35%, Decachlorobiphenyl(2)43%], 705R-SRE [Decachlorobiphenyl(1)35% and Decachlorobiphenyl(2)43%], All the failure samples in surrogates with both columns were reanalyzed to confirm the results as per method and reported in the data.

The Retention Times were met for all analysis.

The MS recoveries for {Q2819-14MS} with File ID: PD089894.D met requirements for all samples except for [alpha-Chlordane(1)-31% - alpha-Chlordane(2)-15%], [gamma-Chlordane(1)-5% - gamma-Chlordane(2)15%], [Heptachlor epoxide(1)137% - Heptachlor epoxide(2)161%], , [Endosulfan II(2)514%], and [Endrin(2)177%] Due to matrix interference.

The MSD {Q2819-14MSD} with File ID: PD089895.D recoveries met the acceptable requirements except for [alpha-Chlordane(1)-36% - alpha-Chlordane(2)-10%], [gamma-Chlordane(1)-15% - gamma-Chlordane(2)5%], [Heptachlor epoxide(1)148% - Heptachlor epoxide(2)160%],[Endosulfan II(2)520%], and [Endrin(2)176%] Due to matrix interference.

The RPD for {Q2819-14MSD} with File ID: PD089895.D met criteria except for [Aldrin(1)50%], [gamma-Chlordane(1)100%], [Endosulfan I(2)39%] [Alpha-Chlordane(2)40%], [Gamma-Chlordane(2)100%] and [4,4-DDD(2)42%] due to difference in results of MS and MSD.

The Blank Spike met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

E. Additional Comments:

The not QT review data is reported in the Miscellaneous.

The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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CASE NARRATIVE

First Environment, Inc.

Project Name: USACE018-44 DOD

Project # N/A

Order ID # Q2820

Test Name: PCB

A. Number of Samples and Date of Receipt:

24 Solid samples were received on 08/08/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for PCB.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS {Q2832-03MS} with File ID: PP074344.D recoveries met the requirements for all compounds except for [AR1260(1)153% - AR1260(2)359%] Due to matrix interference. due to matrix interference.

The MSD {Q2832-03MSD} with File ID: PP074345.D recoveries met the acceptable requirements except for [AR1260(1)148% - AR1260(2)354%] Due to matrix interference due to matrix interference.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration File ID PO112850.D met the requirements except for Aroclor-1016(Peak-01),Tetrachloro-m-xylene is failing in 1st column but passing in 2nd column therefore no corrective action taken.

The Continuous Calibration File ID PO112880.D met the requirements except for Aroclor-1016(Peak-01) is failing in 1st column but passing in 2nd column therefore no corrective action taken.

The Continuous Calibration File ID PP074302.D met the requirements except for Aroclor-1016(Peak-02),Tetrachloro-m-xylene is failing in 2nd column but passing in 1st column therefore no corrective action taken.

E. Additional Comments:

The not QT review data is reported in the Miscellaneous.

The soil samples results are based on a dry weight basis.

These sample 705R-S have low surrogate recovery , as a corrective action these sample were re-extracted and reanalyzed with new prebatch(PB169227) and reported new prebatch run.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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Signature_____

CASE NARRATIVE

First Environment, Inc.

Project Name: USACE018-44 DOD

Project # N/A

Order ID # Q2820

Test Name: Mercury, Metals ICP-TAL

A. Number of Samples and Date of Receipt:

03 Solid samples were received on 08/08/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SVOC-TCL BNA -20 and VOC-TCL VOA-10. This data package contains results for Mercury, Metals ICP-TAL.

C. Analytical Techniques:

The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all compounds.

The Duplicate (POWDERMSD) analysis met criteria for all compounds except for Iron and Vanadium due to Chemical Interference during Digestion process.

The Matrix Spike (POWDERMS) analysis met criteria for all compounds except for Antimony, Arsenic, Beryllium, Chromium, Potassium, Selenium, Silver, Thallium and Vanadium due to Chemical Interference during Digestion process.

The Matrix Spike Duplicate (POWDERMSD) analysis met criteria for all compounds except for Antimony, Arsenic, Beryllium, Potassium, Selenium, Silver and Vanadium due to Chemical Interference during Digestion process.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution (POWDERL) met criteria for all compounds except for Aluminum, Calcium, Chromium, Copper, Iron, Manganese and Zinc due to sample matrix interference.

E. Additional Comments:

The Post Digest Spike (POWDERA) analysis met criteria for all compounds except for Antimony, Arsenic, Beryllium, Chromium, Potassium, Selenium, Silver and Vanadium due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.



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DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
OR	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2820

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 08/22/2025

Hit Summary Sheet SW-846

SDG No.: Q2820
Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	82H-W								
Q2820-02	82H-W	SOIL	Acetone	30.4		3.60	15.1	18.9	ug/Kg
Q2820-02	82H-W	SOIL	Carbon Disulfide	2.20	J	0.80	3.00	3.80	ug/Kg
Q2820-02	82H-W	SOIL	Methylene Chloride	4.60	J	2.70	6.00	7.60	ug/Kg
			Total Voc :	37.2					
Q2820-02	82H-W	SOIL	unknown12.928	* 6.40	J	0		0	ug/Kg
			Total Tics :	6.40					
			Total Concentration:	43.6					
Client ID:	82H-N								
Q2820-03	82H-N	SOIL	Acetone	12.1	J	3.60	15.0	18.8	ug/Kg
Q2820-03	82H-N	SOIL	Methylene Chloride	4.70	J	2.70	6.00	7.50	ug/Kg
			Total Voc :	16.8					
			Total Concentration:	16.8					
Client ID:	518R-E								
Q2820-05	518R-E	SOIL	Acetone	190		9.90	41.6	52.0	ug/Kg
Q2820-05	518R-E	SOIL	Methylene Chloride	11.0	J	7.30	16.6	20.8	ug/Kg
Q2820-05	518R-E	SOIL	2-Butanone	36.3	J	13.6	41.6	52.0	ug/Kg
			Total Voc :	237					
			Total Concentration:	237					
Client ID:	518R-N								
Q2820-06	518R-N	SOIL	Acetone	180		8.80	37.1	46.4	ug/Kg
Q2820-06	518R-N	SOIL	Carbon Disulfide	35.5		2.00	7.40	9.30	ug/Kg
			Total Voc :	216					
			Total Concentration:	216					
Client ID:	518R-W								
Q2820-08	518R-W	SOIL	Acetone	33.9		3.70	15.7	19.7	ug/Kg
Q2820-08	518R-W	SOIL	Methylene Chloride	6.60	J	2.80	6.30	7.90	ug/Kg
			Total Voc :	40.5					
			Total Concentration:	40.5					
Client ID:	705R-S								
Q2820-09	705R-S	SOIL	Acetone	30.8	J	6.60	28.0	35.0	ug/Kg
			Total Voc :	30.8					
			Total Concentration:	30.8					
Client ID:	SOIL-DUP-2								
Q2820-10	SOIL-DUP-2	SOIL	Acetone	91.9		9.10	38.3	47.9	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	Carbon Disulfide	6.60	J	2.00	7.70	9.60	ug/Kg
			Total Voc :	98.5					
			Total Concentration:	98.5					
Client ID:	10P-W								
Q2820-13	10P-W	SOIL	Acetone	9.30	J	2.80	12.0	15.0	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q2820

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2820-13	10P-W	SOIL	Methylene Chloride	3.30	J	2.10	4.80	6.00	ug/Kg
			Total Voc :	12.6					
			Total Concentration:	12.6					
Client ID:	10P-S								
Q2820-15	10P-S	SOIL	unknown12.651	* 6.90	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	unknown12.730	* 15.0	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Naphthalene, decahydro-	* 19.2	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Cyclohexane, (2-methylpropyl)	* 13.5	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Naphthalene, decahydro-2-metl	* 12.8	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	2-Octene, 2,6-dimethyl-	* 11.5	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	1-Ethyl-2,2,6-trimethylcyclohe:	* 6.10	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	cis-Decalin, 2-syn-methyl-	* 6.20	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	3,4-Dimethylpent-2-en-1-ol	* 9.20	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Isobutyl undecyl carbonate	* 6.60	J	0		0	ug/Kg
			Total Tics :	107					
			Total Concentration:	107					
Client ID:	88H-N								
Q2820-18	88H-N	SOIL	Acetone	64.0		3.60	15.3	19.1	ug/Kg
Q2820-18	88H-N	SOIL	2-Butanone	6.70	J	5.00	15.3	19.1	ug/Kg
			Total Voc :	70.7					
			Total Concentration:	70.7					
Client ID:	88H-W								
Q2820-19	88H-W	SOIL	Acetone	58.9		2.80	11.7	14.7	ug/Kg
Q2820-19	88H-W	SOIL	Methylene Chloride	3.80	J	2.10	4.70	5.90	ug/Kg
Q2820-19	88H-W	SOIL	2-Butanone	5.50	J	3.80	11.7	14.7	ug/Kg
			Total Voc :	68.2					
			Total Concentration:	68.2					
Client ID:	88H-S								
Q2820-20	88H-S	SOIL	Acetone	47.3		3.20	13.5	16.9	ug/Kg
			Total Voc :	47.3					
Q2820-20	88H-S	SOIL	Dimethyl sulfide	* 4.30	J	0		0	ug/Kg
			Total Tics :	4.30					
			Total Concentration:	51.6					
Client ID:	22M-W								
Q2820-22	22M-W	SOIL	Acetone	18.1	J	5.50	23.4	29.2	ug/Kg
Q2820-22	22M-W	SOIL	Carbon Disulfide	4.70	J	1.20	4.70	5.80	ug/Kg
			Total Voc :	22.8					
			Total Concentration:	22.8					
Client ID:	22M-S								
Q2820-24	22M-S	SOIL	Acetone	8.00	J	4.40	18.8	23.4	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2820

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2820-24	22M-S	SOIL	Carbon Disulfide	2.60	J	0.99	3.80	4.70	ug/Kg
			Total Voc :	10.6					
Q2820-24	22M-S	SOIL	unknown15.505	* 150	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Naphthalene, decahydro-	* 91.7	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Dodecane	* 64.1	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Tridecane	* 100	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Octane, 2,6-dimethyl-	* 310	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	1-Methyldecahydronaphthalene	* 91.3	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Naphthalene, decahydro-2-metl	* 150	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Dodecane, 2,6,10-trimethyl-	* 100	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Undecane, 2,6-dimethyl-	* 250	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Decahydro-1,1,4a,5,6-pentamet	* 120	J	0		0	ug/Kg
			Total Tics :	1430					
			Total Concentration:	1440					



SAMPLE DATA

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.5
Sample Wt/Vol:	6.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023141.D	1	08/19/25 11:20	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.70	U	1.10	3.70	4.60	ug/Kg
74-87-3	Chloromethane	2.30	U	1.10	2.30	4.60	ug/Kg
75-01-4	Vinyl Chloride	2.30	U	0.73	2.30	4.60	ug/Kg
74-83-9	Bromomethane	3.70	U	0.99	3.70	4.60	ug/Kg
75-00-3	Chloroethane	2.30	U	1.20	2.30	4.60	ug/Kg
75-69-4	Trichlorofluoromethane	3.70	U	1.10	3.70	4.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.30	U	0.98	2.30	4.60	ug/Kg
75-35-4	1,1-Dichloroethene	2.30	U	0.92	2.30	4.60	ug/Kg
67-64-1	Acetone	18.4	U	4.40	18.4	23.1	ug/Kg
75-15-0	Carbon Disulfide	3.70	U	0.98	3.70	4.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.30	U	0.67	2.30	4.60	ug/Kg
79-20-9	Methyl Acetate	3.70	U	1.40	3.70	4.60	ug/Kg
75-09-2	Methylene Chloride	7.40	U	3.30	7.40	9.20	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.30	U	0.79	2.30	4.60	ug/Kg
75-34-3	1,1-Dichloroethane	2.30	U	0.74	2.30	4.60	ug/Kg
110-82-7	Cyclohexane	2.30	U	0.73	2.30	4.60	ug/Kg
78-93-3	2-Butanone	18.4	U	6.00	18.4	23.1	ug/Kg
56-23-5	Carbon Tetrachloride	2.30	U	0.89	2.30	4.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.30	U	0.69	2.30	4.60	ug/Kg
74-97-5	Bromochloromethane	3.70	U	1.10	3.70	4.60	ug/Kg
67-66-3	Chloroform	3.70	U	0.77	3.70	4.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.30	U	0.86	2.30	4.60	ug/Kg
108-87-2	Methylcyclohexane	2.30	U	0.84	2.30	4.60	ug/Kg
71-43-2	Benzene	2.30	U	0.73	2.30	4.60	ug/Kg
107-06-2	1,2-Dichloroethane	2.30	U	0.73	2.30	4.60	ug/Kg
79-01-6	Trichloroethene	2.30	U	0.75	2.30	4.60	ug/Kg
78-87-5	1,2-Dichloropropane	2.30	U	0.84	2.30	4.60	ug/Kg
75-27-4	Bromodichloromethane	2.30	U	0.72	2.30	4.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	11.5	U	3.30	11.5	23.1	ug/Kg
108-88-3	Toluene	2.30	U	0.72	2.30	4.60	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.5
Sample Wt/Vol:	6.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023141.D	1	08/19/25 11:20	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.30	U	0.60	2.30	4.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.30	U	0.57	2.30	4.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.30	U	0.85	2.30	4.60	ug/Kg
591-78-6	2-Hexanone	11.5	U	3.40	11.5	23.1	ug/Kg
124-48-1	Dibromochloromethane	2.30	U	0.80	2.30	4.60	ug/Kg
106-93-4	1,2-Dibromoethane	2.30	U	0.81	2.30	4.60	ug/Kg
127-18-4	Tetrachloroethene	2.30	U	0.97	2.30	4.60	ug/Kg
108-90-7	Chlorobenzene	2.30	U	0.84	2.30	4.60	ug/Kg
100-41-4	Ethyl Benzene	2.30	U	0.62	2.30	4.60	ug/Kg
179601-23-1	m/p-Xylenes	4.60	U	1.10	4.60	9.20	ug/Kg
95-47-6	o-Xylene	2.30	U	0.76	2.30	4.60	ug/Kg
100-42-5	Styrene	2.30	U	0.65	2.30	4.60	ug/Kg
75-25-2	Bromoform	2.30	U	0.79	2.30	4.60	ug/Kg
98-82-8	Isopropylbenzene	2.30	U	0.72	2.30	4.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.30	U	1.10	2.30	4.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.30	U	1.60	2.30	4.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.30	U	1.40	2.30	4.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.30	U	1.30	2.30	4.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.70	U	1.70	3.70	4.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.70	U	2.70	3.70	4.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.70	U	2.90	3.70	4.60	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.2		71 - 136		104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.7		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.2		79 - 119		84%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	633000	7.707				
540-36-3	1,4-Difluorobenzene	1180000	8.616				
3114-55-4	Chlorobenzene-d5	988000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	334000	13.347				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.5
Sample Wt/Vol:	6.57	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023141.D	1	08/19/25 11:20	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.5
Sample Wt/Vol:	7.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032085.D	1	08/14/25 12:02	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.00	U	0.86	3.00	3.80	ug/Kg
74-87-3	Chloromethane	1.90	U	0.86	1.90	3.80	ug/Kg
75-01-4	Vinyl Chloride	1.90	U	0.60	1.90	3.80	ug/Kg
74-83-9	Bromomethane	3.00	U	0.81	3.00	3.80	ug/Kg
75-00-3	Chloroethane	1.90	U	0.95	1.90	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	3.00	U	0.91	3.00	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.90	U	0.80	1.90	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	1.90	U	0.76	1.90	3.80	ug/Kg
67-64-1	Acetone	30.4		3.60	15.1	18.9	ug/Kg
75-15-0	Carbon Disulfide	2.20	J	0.80	3.00	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.90	U	0.55	1.90	3.80	ug/Kg
79-20-9	Methyl Acetate	3.00	U	1.20	3.00	3.80	ug/Kg
75-09-2	Methylene Chloride	4.60	J	2.70	6.00	7.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.90	U	0.65	1.90	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	1.90	U	0.60	1.90	3.80	ug/Kg
110-82-7	Cyclohexane	1.90	U	0.60	1.90	3.80	ug/Kg
78-93-3	2-Butanone	15.1	U	4.90	15.1	18.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.90	U	0.73	1.90	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.90	U	0.57	1.90	3.80	ug/Kg
74-97-5	Bromochloromethane	3.00	U	0.87	3.00	3.80	ug/Kg
67-66-3	Chloroform	3.00	U	0.64	3.00	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.90	U	0.70	1.90	3.80	ug/Kg
108-87-2	Methylcyclohexane	1.90	U	0.69	1.90	3.80	ug/Kg
71-43-2	Benzene	1.90	U	0.60	1.90	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	1.90	U	0.60	1.90	3.80	ug/Kg
79-01-6	Trichloroethene	1.90	U	0.61	1.90	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	1.90	U	0.69	1.90	3.80	ug/Kg
75-27-4	Bromodichloromethane	1.90	U	0.59	1.90	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.50	U	2.70	9.50	18.9	ug/Kg
108-88-3	Toluene	1.90	U	0.59	1.90	3.80	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.5
Sample Wt/Vol:	7.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032085.D	1	08/14/25 12:02	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.90	U	0.49	1.90	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.90	U	0.47	1.90	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.90	U	0.70	1.90	3.80	ug/Kg
591-78-6	2-Hexanone	9.50	U	2.80	9.50	18.9	ug/Kg
124-48-1	Dibromochloromethane	1.90	U	0.66	1.90	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	1.90	U	0.67	1.90	3.80	ug/Kg
127-18-4	Tetrachloroethene	1.90	U	0.79	1.90	3.80	ug/Kg
108-90-7	Chlorobenzene	1.90	U	0.69	1.90	3.80	ug/Kg
100-41-4	Ethyl Benzene	1.90	U	0.51	1.90	3.80	ug/Kg
179601-23-1	m/p-Xylenes	3.80	U	0.94	3.80	7.60	ug/Kg
95-47-6	o-Xylene	1.90	U	0.62	1.90	3.80	ug/Kg
100-42-5	Styrene	1.90	U	0.54	1.90	3.80	ug/Kg
75-25-2	Bromoform	1.90	U	0.65	1.90	3.80	ug/Kg
98-82-8	Isopropylbenzene	1.90	U	0.59	1.90	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.90	U	0.91	1.90	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.30	1.90	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.90	U	1.20	1.90	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.90	U	1.10	1.90	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.00	U	1.40	3.00	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	2.20	3.00	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	2.40	3.00	3.80	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.2		71 - 136		116%	SPK: 50
1868-53-7	Dibromofluoromethane	55.4		78 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	50.8		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		79 - 119		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	151000	7.965				
540-36-3	1,4-Difluorobenzene	312000	8.855				
3114-55-4	Chlorobenzene-d5	317000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	149000	13.556				
TENTATIVE IDENTIFIED COMPOUNDS							

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.5
Sample Wt/Vol:	7.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032085.D	1	08/14/25 12:02	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
	unknown12.928	6.40	J			12.9	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	7.62 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032086.D	1	08/14/25 12:24	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.00	U	0.86	3.00	3.80	ug/Kg
74-87-3	Chloromethane	1.90	U	0.86	1.90	3.80	ug/Kg
75-01-4	Vinyl Chloride	1.90	U	0.59	1.90	3.80	ug/Kg
74-83-9	Bromomethane	3.00	U	0.80	3.00	3.80	ug/Kg
75-00-3	Chloroethane	1.90	U	0.95	1.90	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	3.00	U	0.91	3.00	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.90	U	0.80	1.90	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	1.90	U	0.75	1.90	3.80	ug/Kg
67-64-1	Acetone	12.1	J	3.60	15.0	18.8	ug/Kg
75-15-0	Carbon Disulfide	3.00	U	0.80	3.00	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.90	U	0.55	1.90	3.80	ug/Kg
79-20-9	Methyl Acetate	3.00	U	1.20	3.00	3.80	ug/Kg
75-09-2	Methylene Chloride	4.70	J	2.70	6.00	7.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.90	U	0.65	1.90	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	1.90	U	0.60	1.90	3.80	ug/Kg
110-82-7	Cyclohexane	1.90	U	0.59	1.90	3.80	ug/Kg
78-93-3	2-Butanone	15.0	U	4.90	15.0	18.8	ug/Kg
56-23-5	Carbon Tetrachloride	1.90	U	0.73	1.90	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.90	U	0.56	1.90	3.80	ug/Kg
74-97-5	Bromochloromethane	3.00	U	0.86	3.00	3.80	ug/Kg
67-66-3	Chloroform	3.00	U	0.63	3.00	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.90	U	0.70	1.90	3.80	ug/Kg
108-87-2	Methylcyclohexane	1.90	U	0.68	1.90	3.80	ug/Kg
71-43-2	Benzene	1.90	U	0.59	1.90	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	1.90	U	0.59	1.90	3.80	ug/Kg
79-01-6	Trichloroethene	1.90	U	0.61	1.90	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	1.90	U	0.68	1.90	3.80	ug/Kg
75-27-4	Bromodichloromethane	1.90	U	0.59	1.90	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.40	U	2.70	9.40	18.8	ug/Kg
108-88-3	Toluene	1.90	U	0.59	1.90	3.80	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	7.62 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032086.D	1	08/14/25 12:24	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.90	U	0.49	1.90	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.90	U	0.47	1.90	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.90	U	0.69	1.90	3.80	ug/Kg
591-78-6	2-Hexanone	9.40	U	2.80	9.40	18.8	ug/Kg
124-48-1	Dibromochloromethane	1.90	U	0.65	1.90	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	1.90	U	0.66	1.90	3.80	ug/Kg
127-18-4	Tetrachloroethene	1.90	U	0.79	1.90	3.80	ug/Kg
108-90-7	Chlorobenzene	1.90	U	0.68	1.90	3.80	ug/Kg
100-41-4	Ethyl Benzene	1.90	U	0.50	1.90	3.80	ug/Kg
179601-23-1	m/p-Xylenes	3.80	U	0.93	3.80	7.50	ug/Kg
95-47-6	o-Xylene	1.90	U	0.62	1.90	3.80	ug/Kg
100-42-5	Styrene	1.90	U	0.53	1.90	3.80	ug/Kg
75-25-2	Bromoform	1.90	U	0.65	1.90	3.80	ug/Kg
98-82-8	Isopropylbenzene	1.90	U	0.59	1.90	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.90	U	0.91	1.90	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.30	1.90	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.90	U	1.20	1.90	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.90	U	1.10	1.90	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.00	U	1.40	3.00	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	2.20	3.00	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	2.40	3.00	3.80	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.5		71 - 136		115%	SPK: 50
1868-53-7	Dibromofluoromethane	55.7		78 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	52.2		85 - 116		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		79 - 119		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	158000	7.965				
540-36-3	1,4-Difluorobenzene	312000	8.849				
3114-55-4	Chlorobenzene-d5	306000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	150000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	7.62 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032086.D	1	08/14/25 12:24	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.8
Sample Wt/Vol:	7.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032087.D	1	08/14/25 12:46	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.00	U	0.84	3.00	3.70	ug/Kg
74-87-3	Chloromethane	1.80	U	0.84	1.80	3.70	ug/Kg
75-01-4	Vinyl Chloride	1.80	U	0.58	1.80	3.70	ug/Kg
74-83-9	Bromomethane	3.00	U	0.79	3.00	3.70	ug/Kg
75-00-3	Chloroethane	1.80	U	0.93	1.80	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	3.00	U	0.89	3.00	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.80	U	0.78	1.80	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	1.80	U	0.74	1.80	3.70	ug/Kg
67-64-1	Acetone	14.8	U	3.50	14.8	18.5	ug/Kg
75-15-0	Carbon Disulfide	3.00	U	0.78	3.00	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.80	U	0.54	1.80	3.70	ug/Kg
79-20-9	Methyl Acetate	3.00	U	1.10	3.00	3.70	ug/Kg
75-09-2	Methylene Chloride	5.90	U	2.60	5.90	7.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.80	U	0.64	1.80	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	1.80	U	0.59	1.80	3.70	ug/Kg
110-82-7	Cyclohexane	1.80	U	0.58	1.80	3.70	ug/Kg
78-93-3	2-Butanone	14.8	U	4.80	14.8	18.5	ug/Kg
56-23-5	Carbon Tetrachloride	1.80	U	0.72	1.80	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.80	U	0.55	1.80	3.70	ug/Kg
74-97-5	Bromochloromethane	3.00	U	0.85	3.00	3.70	ug/Kg
67-66-3	Chloroform	3.00	U	0.62	3.00	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.80	U	0.69	1.80	3.70	ug/Kg
108-87-2	Methylcyclohexane	1.80	U	0.67	1.80	3.70	ug/Kg
71-43-2	Benzene	1.80	U	0.58	1.80	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	1.80	U	0.58	1.80	3.70	ug/Kg
79-01-6	Trichloroethene	1.80	U	0.60	1.80	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	1.80	U	0.67	1.80	3.70	ug/Kg
75-27-4	Bromodichloromethane	1.80	U	0.58	1.80	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.20	U	2.60	9.20	18.5	ug/Kg
108-88-3	Toluene	1.80	U	0.58	1.80	3.70	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.8
Sample Wt/Vol:	7.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032087.D	1	08/14/25 12:46	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.80	U	0.48	1.80	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.80	U	0.46	1.80	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.80	U	0.68	1.80	3.70	ug/Kg
591-78-6	2-Hexanone	9.20	U	2.70	9.20	18.5	ug/Kg
124-48-1	Dibromochloromethane	1.80	U	0.64	1.80	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	1.80	U	0.65	1.80	3.70	ug/Kg
127-18-4	Tetrachloroethene	1.80	U	0.78	1.80	3.70	ug/Kg
108-90-7	Chlorobenzene	1.80	U	0.67	1.80	3.70	ug/Kg
100-41-4	Ethyl Benzene	1.80	U	0.49	1.80	3.70	ug/Kg
179601-23-1	m/p-Xylenes	3.70	U	0.92	3.70	7.40	ug/Kg
95-47-6	o-Xylene	1.80	U	0.61	1.80	3.70	ug/Kg
100-42-5	Styrene	1.80	U	0.52	1.80	3.70	ug/Kg
75-25-2	Bromoform	1.80	U	0.64	1.80	3.70	ug/Kg
98-82-8	Isopropylbenzene	1.80	U	0.58	1.80	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.80	U	0.89	1.80	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.30	1.80	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.80	U	1.20	1.80	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.10	1.80	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.00	U	1.40	3.00	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	2.20	3.00	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	2.30	3.00	3.70	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.1		71 - 136		116%	SPK: 50
1868-53-7	Dibromofluoromethane	56.6		78 - 119		113%	SPK: 50
2037-26-5	Toluene-d8	51.4		85 - 116		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		79 - 119		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	155000	7.965				
540-36-3	1,4-Difluorobenzene	307000	8.855				
3114-55-4	Chlorobenzene-d5	312000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	148000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.8
Sample Wt/Vol:	7.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032087.D	1	08/14/25 12:46	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	48.8
Sample Wt/Vol:	4.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032088.D	1	08/14/25 13:09	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	8.30	U	2.40	8.30	10.4	ug/Kg
74-87-3	Chloromethane	5.20	U	2.40	5.20	10.4	ug/Kg
75-01-4	Vinyl Chloride	5.20	U	1.60	5.20	10.4	ug/Kg
74-83-9	Bromomethane	8.30	U	2.20	8.30	10.4	ug/Kg
75-00-3	Chloroethane	5.20	U	2.60	5.20	10.4	ug/Kg
75-69-4	Trichlorofluoromethane	8.30	U	2.50	8.30	10.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.20	U	2.20	5.20	10.4	ug/Kg
75-35-4	1,1-Dichloroethene	5.20	U	2.10	5.20	10.4	ug/Kg
67-64-1	Acetone	190		9.90	41.6	52.0	ug/Kg
75-15-0	Carbon Disulfide	8.30	U	2.20	8.30	10.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.20	U	1.50	5.20	10.4	ug/Kg
79-20-9	Methyl Acetate	8.30	U	3.20	8.30	10.4	ug/Kg
75-09-2	Methylene Chloride	11.0	J	7.30	16.6	20.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.20	U	1.80	5.20	10.4	ug/Kg
75-34-3	1,1-Dichloroethane	5.20	U	1.70	5.20	10.4	ug/Kg
110-82-7	Cyclohexane	5.20	U	1.60	5.20	10.4	ug/Kg
78-93-3	2-Butanone	36.3	J	13.6	41.6	52.0	ug/Kg
56-23-5	Carbon Tetrachloride	5.20	U	2.00	5.20	10.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.20	U	1.60	5.20	10.4	ug/Kg
74-97-5	Bromochloromethane	8.30	U	2.40	8.30	10.4	ug/Kg
67-66-3	Chloroform	8.30	U	1.70	8.30	10.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.20	U	1.90	5.20	10.4	ug/Kg
108-87-2	Methylcyclohexane	5.20	U	1.90	5.20	10.4	ug/Kg
71-43-2	Benzene	5.20	U	1.60	5.20	10.4	ug/Kg
107-06-2	1,2-Dichloroethane	5.20	U	1.60	5.20	10.4	ug/Kg
79-01-6	Trichloroethene	5.20	U	1.70	5.20	10.4	ug/Kg
78-87-5	1,2-Dichloropropane	5.20	U	1.90	5.20	10.4	ug/Kg
75-27-4	Bromodichloromethane	5.20	U	1.60	5.20	10.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	26.0	U	7.40	26.0	52.0	ug/Kg
108-88-3	Toluene	5.20	U	1.60	5.20	10.4	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	48.8
Sample Wt/Vol:	4.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032088.D	1	08/14/25 13:09	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	5.20	U	1.40	5.20	10.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.20	U	1.30	5.20	10.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.20	U	1.90	5.20	10.4	ug/Kg
591-78-6	2-Hexanone	26.0	U	7.70	26.0	52.0	ug/Kg
124-48-1	Dibromochloromethane	5.20	U	1.80	5.20	10.4	ug/Kg
106-93-4	1,2-Dibromoethane	5.20	U	1.80	5.20	10.4	ug/Kg
127-18-4	Tetrachloroethene	5.20	U	2.20	5.20	10.4	ug/Kg
108-90-7	Chlorobenzene	5.20	U	1.90	5.20	10.4	ug/Kg
100-41-4	Ethyl Benzene	5.20	U	1.40	5.20	10.4	ug/Kg
179601-23-1	m/p-Xylenes	10.4	U	2.60	10.4	20.8	ug/Kg
95-47-6	o-Xylene	5.20	U	1.70	5.20	10.4	ug/Kg
100-42-5	Styrene	5.20	U	1.50	5.20	10.4	ug/Kg
75-25-2	Bromoform	5.20	U	1.80	5.20	10.4	ug/Kg
98-82-8	Isopropylbenzene	5.20	U	1.60	5.20	10.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.20	U	2.50	5.20	10.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.20	U	3.60	5.20	10.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.20	U	3.20	5.20	10.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.20	U	3.00	5.20	10.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	8.30	U	3.80	8.30	10.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	8.30	U	6.20	8.30	10.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	8.30	U	6.60	8.30	10.4	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.5		71 - 136		119%	SPK: 50
1868-53-7	Dibromofluoromethane	56.2		78 - 119		112%	SPK: 50
2037-26-5	Toluene-d8	50.2		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		79 - 119		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143000	7.965				
540-36-3	1,4-Difluorobenzene	288000	8.855				
3114-55-4	Chlorobenzene-d5	280000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	126000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	48.8
Sample Wt/Vol:	4.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032088.D	1	08/14/25 13:09	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.4
Sample Wt/Vol:	3.48 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032089.D	1	08/14/25 13:31	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	7.40	U	2.10	7.40	9.30	ug/Kg
74-87-3	Chloromethane	4.60	U	2.10	4.60	9.30	ug/Kg
75-01-4	Vinyl Chloride	4.60	U	1.50	4.60	9.30	ug/Kg
74-83-9	Bromomethane	7.40	U	2.00	7.40	9.30	ug/Kg
75-00-3	Chloroethane	4.60	U	2.30	4.60	9.30	ug/Kg
75-69-4	Trichlorofluoromethane	7.40	U	2.20	7.40	9.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.60	U	2.00	4.60	9.30	ug/Kg
75-35-4	1,1-Dichloroethene	4.60	U	1.90	4.60	9.30	ug/Kg
67-64-1	Acetone	180		8.80	37.1	46.4	ug/Kg
75-15-0	Carbon Disulfide	35.5		2.00	7.40	9.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.60	U	1.40	4.60	9.30	ug/Kg
79-20-9	Methyl Acetate	7.40	U	2.90	7.40	9.30	ug/Kg
75-09-2	Methylene Chloride	14.9	U	6.60	14.9	18.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.60	U	1.60	4.60	9.30	ug/Kg
75-34-3	1,1-Dichloroethane	4.60	U	1.50	4.60	9.30	ug/Kg
110-82-7	Cyclohexane	4.60	U	1.50	4.60	9.30	ug/Kg
78-93-3	2-Butanone	37.1	U	12.1	37.1	46.4	ug/Kg
56-23-5	Carbon Tetrachloride	4.60	U	1.80	4.60	9.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.60	U	1.40	4.60	9.30	ug/Kg
74-97-5	Bromochloromethane	7.40	U	2.10	7.40	9.30	ug/Kg
67-66-3	Chloroform	7.40	U	1.60	7.40	9.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.60	U	1.70	4.60	9.30	ug/Kg
108-87-2	Methylcyclohexane	4.60	U	1.70	4.60	9.30	ug/Kg
71-43-2	Benzene	4.60	U	1.50	4.60	9.30	ug/Kg
107-06-2	1,2-Dichloroethane	4.60	U	1.50	4.60	9.30	ug/Kg
79-01-6	Trichloroethene	4.60	U	1.50	4.60	9.30	ug/Kg
78-87-5	1,2-Dichloropropane	4.60	U	1.70	4.60	9.30	ug/Kg
75-27-4	Bromodichloromethane	4.60	U	1.40	4.60	9.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	23.2	U	6.60	23.2	46.4	ug/Kg
108-88-3	Toluene	4.60	U	1.40	4.60	9.30	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.4
Sample Wt/Vol:	3.48 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032089.D	1	08/14/25 13:31	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	4.60	U	1.20	4.60	9.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.60	U	1.20	4.60	9.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	4.60	U	1.70	4.60	9.30	ug/Kg
591-78-6	2-Hexanone	23.2	U	6.80	23.2	46.4	ug/Kg
124-48-1	Dibromochloromethane	4.60	U	1.60	4.60	9.30	ug/Kg
106-93-4	1,2-Dibromoethane	4.60	U	1.60	4.60	9.30	ug/Kg
127-18-4	Tetrachloroethene	4.60	U	1.90	4.60	9.30	ug/Kg
108-90-7	Chlorobenzene	4.60	U	1.70	4.60	9.30	ug/Kg
100-41-4	Ethyl Benzene	4.60	U	1.20	4.60	9.30	ug/Kg
179601-23-1	m/p-Xylenes	9.30	U	2.30	9.30	18.6	ug/Kg
95-47-6	o-Xylene	4.60	U	1.50	4.60	9.30	ug/Kg
100-42-5	Styrene	4.60	U	1.30	4.60	9.30	ug/Kg
75-25-2	Bromoform	4.60	U	1.60	4.60	9.30	ug/Kg
98-82-8	Isopropylbenzene	4.60	U	1.40	4.60	9.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.60	U	2.20	4.60	9.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.60	U	3.20	4.60	9.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.60	U	2.90	4.60	9.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.60	U	2.70	4.60	9.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	7.40	U	3.40	7.40	9.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	7.40	U	5.50	7.40	9.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	7.40	U	5.90	7.40	9.30	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.5		71 - 136		109%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		78 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	48.4		85 - 116		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.0		79 - 119		82%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	136000	7.965				
540-36-3	1,4-Difluorobenzene	268000	8.849				
3114-55-4	Chlorobenzene-d5	244000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	97100	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.4
Sample Wt/Vol:	3.48	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032089.D	1	08/14/25 13:31	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.6
Sample Wt/Vol:	6.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032090.D	1	08/14/25 13:54	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	4.10	U	1.20	4.10	5.10	ug/Kg
74-87-3	Chloromethane	2.50	U	1.20	2.50	5.10	ug/Kg
75-01-4	Vinyl Chloride	2.50	U	0.80	2.50	5.10	ug/Kg
74-83-9	Bromomethane	4.10	U	1.10	4.10	5.10	ug/Kg
75-00-3	Chloroethane	2.50	U	1.30	2.50	5.10	ug/Kg
75-69-4	Trichlorofluoromethane	4.10	U	1.20	4.10	5.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	1.10	2.50	5.10	ug/Kg
75-35-4	1,1-Dichloroethene	2.50	U	1.00	2.50	5.10	ug/Kg
67-64-1	Acetone	20.3	U	4.80	20.3	25.4	ug/Kg
75-15-0	Carbon Disulfide	4.10	U	1.10	4.10	5.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.50	U	0.74	2.50	5.10	ug/Kg
79-20-9	Methyl Acetate	4.10	U	1.60	4.10	5.10	ug/Kg
75-09-2	Methylene Chloride	8.10	U	3.60	8.10	10.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.50	U	0.87	2.50	5.10	ug/Kg
75-34-3	1,1-Dichloroethane	2.50	U	0.81	2.50	5.10	ug/Kg
110-82-7	Cyclohexane	2.50	U	0.80	2.50	5.10	ug/Kg
78-93-3	2-Butanone	20.3	U	6.60	20.3	25.4	ug/Kg
56-23-5	Carbon Tetrachloride	2.50	U	0.99	2.50	5.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.50	U	0.76	2.50	5.10	ug/Kg
74-97-5	Bromochloromethane	4.10	U	1.20	4.10	5.10	ug/Kg
67-66-3	Chloroform	4.10	U	0.85	4.10	5.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.50	U	0.95	2.50	5.10	ug/Kg
108-87-2	Methylcyclohexane	2.50	U	0.92	2.50	5.10	ug/Kg
71-43-2	Benzene	2.50	U	0.80	2.50	5.10	ug/Kg
107-06-2	1,2-Dichloroethane	2.50	U	0.80	2.50	5.10	ug/Kg
79-01-6	Trichloroethene	2.50	U	0.82	2.50	5.10	ug/Kg
78-87-5	1,2-Dichloropropane	2.50	U	0.92	2.50	5.10	ug/Kg
75-27-4	Bromodichloromethane	2.50	U	0.79	2.50	5.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12.7	U	3.60	12.7	25.4	ug/Kg
108-88-3	Toluene	2.50	U	0.79	2.50	5.10	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.6
Sample Wt/Vol:	6.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032090.D	1	08/14/25 13:54	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.50	U	0.66	2.50	5.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.50	U	0.63	2.50	5.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.50	U	0.93	2.50	5.10	ug/Kg
591-78-6	2-Hexanone	12.7	U	3.70	12.7	25.4	ug/Kg
124-48-1	Dibromochloromethane	2.50	U	0.88	2.50	5.10	ug/Kg
106-93-4	1,2-Dibromoethane	2.50	U	0.89	2.50	5.10	ug/Kg
127-18-4	Tetrachloroethene	2.50	U	1.10	2.50	5.10	ug/Kg
108-90-7	Chlorobenzene	2.50	U	0.92	2.50	5.10	ug/Kg
100-41-4	Ethyl Benzene	2.50	U	0.68	2.50	5.10	ug/Kg
179601-23-1	m/p-Xylenes	5.10	U	1.30	5.10	10.2	ug/Kg
95-47-6	o-Xylene	2.50	U	0.83	2.50	5.10	ug/Kg
100-42-5	Styrene	2.50	U	0.72	2.50	5.10	ug/Kg
75-25-2	Bromoform	2.50	U	0.87	2.50	5.10	ug/Kg
98-82-8	Isopropylbenzene	2.50	U	0.79	2.50	5.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.50	U	1.20	2.50	5.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.50	U	1.70	2.50	5.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.50	U	1.60	2.50	5.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.50	U	1.50	2.50	5.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.10	U	1.90	4.10	5.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.10	U	3.00	4.10	5.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.10	U	3.20	4.10	5.10	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.2		71 - 136		114%	SPK: 50
1868-53-7	Dibromofluoromethane	54.7		78 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	48.0		85 - 116		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		79 - 119		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	146000	7.965				
540-36-3	1,4-Difluorobenzene	301000	8.855				
3114-55-4	Chlorobenzene-d5	281000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	122000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.6
Sample Wt/Vol:	6.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032090.D	1	08/14/25 13:54	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
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 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	7.14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032091.D	1	08/14/25 14:16	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.10	U	0.90	3.10	3.90	ug/Kg
74-87-3	Chloromethane	2.00	U	0.90	2.00	3.90	ug/Kg
75-01-4	Vinyl Chloride	2.00	U	0.62	2.00	3.90	ug/Kg
74-83-9	Bromomethane	3.10	U	0.84	3.10	3.90	ug/Kg
75-00-3	Chloroethane	2.00	U	0.99	2.00	3.90	ug/Kg
75-69-4	Trichlorofluoromethane	3.10	U	0.95	3.10	3.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.00	U	0.83	2.00	3.90	ug/Kg
75-35-4	1,1-Dichloroethene	2.00	U	0.79	2.00	3.90	ug/Kg
67-64-1	Acetone	33.9		3.70	15.7	19.7	ug/Kg
75-15-0	Carbon Disulfide	3.10	U	0.83	3.10	3.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.00	U	0.57	2.00	3.90	ug/Kg
79-20-9	Methyl Acetate	3.10	U	1.20	3.10	3.90	ug/Kg
75-09-2	Methylene Chloride	6.60	J	2.80	6.30	7.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.00	U	0.68	2.00	3.90	ug/Kg
75-34-3	1,1-Dichloroethane	2.00	U	0.63	2.00	3.90	ug/Kg
110-82-7	Cyclohexane	2.00	U	0.62	2.00	3.90	ug/Kg
78-93-3	2-Butanone	15.7	U	5.10	15.7	19.7	ug/Kg
56-23-5	Carbon Tetrachloride	2.00	U	0.76	2.00	3.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.00	U	0.59	2.00	3.90	ug/Kg
74-97-5	Bromochloromethane	3.10	U	0.90	3.10	3.90	ug/Kg
67-66-3	Chloroform	3.10	U	0.66	3.10	3.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.00	U	0.73	2.00	3.90	ug/Kg
108-87-2	Methylcyclohexane	2.00	U	0.72	2.00	3.90	ug/Kg
71-43-2	Benzene	2.00	U	0.62	2.00	3.90	ug/Kg
107-06-2	1,2-Dichloroethane	2.00	U	0.62	2.00	3.90	ug/Kg
79-01-6	Trichloroethene	2.00	U	0.64	2.00	3.90	ug/Kg
78-87-5	1,2-Dichloropropane	2.00	U	0.72	2.00	3.90	ug/Kg
75-27-4	Bromodichloromethane	2.00	U	0.61	2.00	3.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.80	U	2.80	9.80	19.7	ug/Kg
108-88-3	Toluene	2.00	U	0.61	2.00	3.90	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	7.14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032091.D	1	08/14/25 14:16	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.00	U	0.51	2.00	3.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.00	U	0.49	2.00	3.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.00	U	0.72	2.00	3.90	ug/Kg
591-78-6	2-Hexanone	9.80	U	2.90	9.80	19.7	ug/Kg
124-48-1	Dibromochloromethane	2.00	U	0.68	2.00	3.90	ug/Kg
106-93-4	1,2-Dibromoethane	2.00	U	0.69	2.00	3.90	ug/Kg
127-18-4	Tetrachloroethene	2.00	U	0.83	2.00	3.90	ug/Kg
108-90-7	Chlorobenzene	2.00	U	0.72	2.00	3.90	ug/Kg
100-41-4	Ethyl Benzene	2.00	U	0.53	2.00	3.90	ug/Kg
179601-23-1	m/p-Xylenes	3.90	U	0.98	3.90	7.90	ug/Kg
95-47-6	o-Xylene	2.00	U	0.65	2.00	3.90	ug/Kg
100-42-5	Styrene	2.00	U	0.56	2.00	3.90	ug/Kg
75-25-2	Bromoform	2.00	U	0.68	2.00	3.90	ug/Kg
98-82-8	Isopropylbenzene	2.00	U	0.61	2.00	3.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.00	U	0.95	2.00	3.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.00	U	1.30	2.00	3.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.00	U	1.20	2.00	3.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.00	U	1.10	2.00	3.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.10	U	1.40	3.10	3.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.10	U	2.30	3.10	3.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.10	U	2.50	3.10	3.90	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.0		71 - 136		118%	SPK: 50
1868-53-7	Dibromofluoromethane	59.4		78 - 119		119%	SPK: 50
2037-26-5	Toluene-d8	53.0		85 - 116		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		79 - 119		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	141000	7.959				
540-36-3	1,4-Difluorobenzene	276000	8.855				
3114-55-4	Chlorobenzene-d5	280000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	128000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	7.14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032091.D	1	08/14/25 14:16	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	55.8
Sample Wt/Vol:	6.4 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032092.D	1	08/14/25 14:39	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	5.60	U	1.60	5.60	7.00	ug/Kg
74-87-3	Chloromethane	3.50	U	1.60	3.50	7.00	ug/Kg
75-01-4	Vinyl Chloride	3.50	U	1.10	3.50	7.00	ug/Kg
74-83-9	Bromomethane	5.60	U	1.50	5.60	7.00	ug/Kg
75-00-3	Chloroethane	3.50	U	1.80	3.50	7.00	ug/Kg
75-69-4	Trichlorofluoromethane	5.60	U	1.70	5.60	7.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.50	U	1.50	3.50	7.00	ug/Kg
75-35-4	1,1-Dichloroethene	3.50	U	1.40	3.50	7.00	ug/Kg
67-64-1	Acetone	30.8	J	6.60	28.0	35.0	ug/Kg
75-15-0	Carbon Disulfide	5.60	U	1.50	5.60	7.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.50	U	1.00	3.50	7.00	ug/Kg
79-20-9	Methyl Acetate	5.60	U	2.20	5.60	7.00	ug/Kg
75-09-2	Methylene Chloride	11.2	U	4.90	11.2	14.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.50	U	1.20	3.50	7.00	ug/Kg
75-34-3	1,1-Dichloroethane	3.50	U	1.10	3.50	7.00	ug/Kg
110-82-7	Cyclohexane	3.50	U	1.10	3.50	7.00	ug/Kg
78-93-3	2-Butanone	28.0	U	9.20	28.0	35.0	ug/Kg
56-23-5	Carbon Tetrachloride	3.50	U	1.40	3.50	7.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.50	U	1.10	3.50	7.00	ug/Kg
74-97-5	Bromochloromethane	5.60	U	1.60	5.60	7.00	ug/Kg
67-66-3	Chloroform	5.60	U	1.20	5.60	7.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.50	U	1.30	3.50	7.00	ug/Kg
108-87-2	Methylcyclohexane	3.50	U	1.30	3.50	7.00	ug/Kg
71-43-2	Benzene	3.50	U	1.10	3.50	7.00	ug/Kg
107-06-2	1,2-Dichloroethane	3.50	U	1.10	3.50	7.00	ug/Kg
79-01-6	Trichloroethene	3.50	U	1.10	3.50	7.00	ug/Kg
78-87-5	1,2-Dichloropropane	3.50	U	1.30	3.50	7.00	ug/Kg
75-27-4	Bromodichloromethane	3.50	U	1.10	3.50	7.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	17.5	U	5.00	17.5	35.0	ug/Kg
108-88-3	Toluene	3.50	U	1.10	3.50	7.00	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	55.8
Sample Wt/Vol:	6.4 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032092.D	1	08/14/25 14:39	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	3.50	U	0.91	3.50	7.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	3.50	U	0.87	3.50	7.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.50	U	1.30	3.50	7.00	ug/Kg
591-78-6	2-Hexanone	17.5	U	5.20	17.5	35.0	ug/Kg
124-48-1	Dibromochloromethane	3.50	U	1.20	3.50	7.00	ug/Kg
106-93-4	1,2-Dibromoethane	3.50	U	1.20	3.50	7.00	ug/Kg
127-18-4	Tetrachloroethene	3.50	U	1.50	3.50	7.00	ug/Kg
108-90-7	Chlorobenzene	3.50	U	1.30	3.50	7.00	ug/Kg
100-41-4	Ethyl Benzene	3.50	U	0.94	3.50	7.00	ug/Kg
179601-23-1	m/p-Xylenes	7.00	U	1.70	7.00	14.0	ug/Kg
95-47-6	o-Xylene	3.50	U	1.10	3.50	7.00	ug/Kg
100-42-5	Styrene	3.50	U	0.99	3.50	7.00	ug/Kg
75-25-2	Bromoform	3.50	U	1.20	3.50	7.00	ug/Kg
98-82-8	Isopropylbenzene	3.50	U	1.10	3.50	7.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.50	U	1.70	3.50	7.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.50	U	2.40	3.50	7.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.50	U	2.20	3.50	7.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.50	U	2.00	3.50	7.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.60	U	2.60	5.60	7.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.60	U	4.20	5.60	7.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.60	U	4.50	5.60	7.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	65.6		71 - 136		131%	SPK: 50
1868-53-7	Dibromofluoromethane	55.3		78 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	48.7		85 - 116		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		79 - 119		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	140000	7.959				
540-36-3	1,4-Difluorobenzene	293000	8.849				
3114-55-4	Chlorobenzene-d5	286000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	130000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	55.8
Sample Wt/Vol:	6.4	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032092.D	1	08/14/25 14:39	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	48.4
Sample Wt/Vol:	5.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032093.D	1	08/14/25 15:01	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	7.70	U	2.20	7.70	9.60	ug/Kg
74-87-3	Chloromethane	4.80	U	2.20	4.80	9.60	ug/Kg
75-01-4	Vinyl Chloride	4.80	U	1.50	4.80	9.60	ug/Kg
74-83-9	Bromomethane	7.70	U	2.10	7.70	9.60	ug/Kg
75-00-3	Chloroethane	4.80	U	2.40	4.80	9.60	ug/Kg
75-69-4	Trichlorofluoromethane	7.70	U	2.30	7.70	9.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.80	U	2.00	4.80	9.60	ug/Kg
75-35-4	1,1-Dichloroethene	4.80	U	1.90	4.80	9.60	ug/Kg
67-64-1	Acetone	91.9		9.10	38.3	47.9	ug/Kg
75-15-0	Carbon Disulfide	6.60	J	2.00	7.70	9.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.80	U	1.40	4.80	9.60	ug/Kg
79-20-9	Methyl Acetate	7.70	U	3.00	7.70	9.60	ug/Kg
75-09-2	Methylene Chloride	15.3	U	6.80	15.3	19.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.80	U	1.60	4.80	9.60	ug/Kg
75-34-3	1,1-Dichloroethane	4.80	U	1.50	4.80	9.60	ug/Kg
110-82-7	Cyclohexane	4.80	U	1.50	4.80	9.60	ug/Kg
78-93-3	2-Butanone	38.3	U	12.5	38.3	47.9	ug/Kg
56-23-5	Carbon Tetrachloride	4.80	U	1.90	4.80	9.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.80	U	1.40	4.80	9.60	ug/Kg
74-97-5	Bromochloromethane	7.70	U	2.20	7.70	9.60	ug/Kg
67-66-3	Chloroform	7.70	U	1.60	7.70	9.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.80	U	1.80	4.80	9.60	ug/Kg
108-87-2	Methylcyclohexane	4.80	U	1.70	4.80	9.60	ug/Kg
71-43-2	Benzene	4.80	U	1.50	4.80	9.60	ug/Kg
107-06-2	1,2-Dichloroethane	4.80	U	1.50	4.80	9.60	ug/Kg
79-01-6	Trichloroethene	4.80	U	1.60	4.80	9.60	ug/Kg
78-87-5	1,2-Dichloropropane	4.80	U	1.70	4.80	9.60	ug/Kg
75-27-4	Bromodichloromethane	4.80	U	1.50	4.80	9.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	24.0	U	6.90	24.0	47.9	ug/Kg
108-88-3	Toluene	4.80	U	1.50	4.80	9.60	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	48.4
Sample Wt/Vol:	5.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032093.D	1	08/14/25 15:01	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	4.80	U	1.20	4.80	9.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.80	U	1.20	4.80	9.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	4.80	U	1.80	4.80	9.60	ug/Kg
591-78-6	2-Hexanone	24.0	U	7.10	24.0	47.9	ug/Kg
124-48-1	Dibromochloromethane	4.80	U	1.70	4.80	9.60	ug/Kg
106-93-4	1,2-Dibromoethane	4.80	U	1.70	4.80	9.60	ug/Kg
127-18-4	Tetrachloroethene	4.80	U	2.00	4.80	9.60	ug/Kg
108-90-7	Chlorobenzene	4.80	U	1.70	4.80	9.60	ug/Kg
100-41-4	Ethyl Benzene	4.80	U	1.30	4.80	9.60	ug/Kg
179601-23-1	m/p-Xylenes	9.60	U	2.40	9.60	19.2	ug/Kg
95-47-6	o-Xylene	4.80	U	1.60	4.80	9.60	ug/Kg
100-42-5	Styrene	4.80	U	1.40	4.80	9.60	ug/Kg
75-25-2	Bromoform	4.80	U	1.60	4.80	9.60	ug/Kg
98-82-8	Isopropylbenzene	4.80	U	1.50	4.80	9.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.80	U	2.30	4.80	9.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.80	U	3.30	4.80	9.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.80	U	3.00	4.80	9.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.80	U	2.80	4.80	9.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	7.70	U	3.50	7.70	9.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	7.70	U	5.70	7.70	9.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	7.70	U	6.10	7.70	9.60	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.4		71 - 136		119%	SPK: 50
1868-53-7	Dibromofluoromethane	56.6		78 - 119		113%	SPK: 50
2037-26-5	Toluene-d8	50.1		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.7		79 - 119		87%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	132000	7.965				
540-36-3	1,4-Difluorobenzene	266000	8.849				
3114-55-4	Chlorobenzene-d5	258000	11.636				
3855-82-1	1,4-Dichlorobenzene-d4	103000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	48.4
Sample Wt/Vol:	5.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032093.D	1	08/14/25 15:01	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.4
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032094.D	1	08/14/25 15:24	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.40	U	0.97	3.40	4.20	ug/Kg
74-87-3	Chloromethane	2.10	U	0.97	2.10	4.20	ug/Kg
75-01-4	Vinyl Chloride	2.10	U	0.67	2.10	4.20	ug/Kg
74-83-9	Bromomethane	3.40	U	0.91	3.40	4.20	ug/Kg
75-00-3	Chloroethane	2.10	U	1.10	2.10	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	3.40	U	1.00	3.40	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.10	U	0.90	2.10	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	2.10	U	0.85	2.10	4.20	ug/Kg
67-64-1	Acetone	17.0	U	4.00	17.0	21.2	ug/Kg
75-15-0	Carbon Disulfide	3.40	U	0.90	3.40	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.10	U	0.62	2.10	4.20	ug/Kg
79-20-9	Methyl Acetate	3.40	U	1.30	3.40	4.20	ug/Kg
75-09-2	Methylene Chloride	6.80	U	3.00	6.80	8.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.10	U	0.73	2.10	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	2.10	U	0.68	2.10	4.20	ug/Kg
110-82-7	Cyclohexane	2.10	U	0.67	2.10	4.20	ug/Kg
78-93-3	2-Butanone	17.0	U	5.60	17.0	21.2	ug/Kg
56-23-5	Carbon Tetrachloride	2.10	U	0.82	2.10	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.10	U	0.64	2.10	4.20	ug/Kg
74-97-5	Bromochloromethane	3.40	U	0.98	3.40	4.20	ug/Kg
67-66-3	Chloroform	3.40	U	0.71	3.40	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.10	U	0.79	2.10	4.20	ug/Kg
108-87-2	Methylcyclohexane	2.10	U	0.77	2.10	4.20	ug/Kg
71-43-2	Benzene	2.10	U	0.67	2.10	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	2.10	U	0.67	2.10	4.20	ug/Kg
79-01-6	Trichloroethene	2.10	U	0.69	2.10	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	2.10	U	0.77	2.10	4.20	ug/Kg
75-27-4	Bromodichloromethane	2.10	U	0.66	2.10	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	10.6	U	3.00	10.6	21.2	ug/Kg
108-88-3	Toluene	2.10	U	0.66	2.10	4.20	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.4
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032094.D	1	08/14/25 15:24	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.10	U	0.55	2.10	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.10	U	0.53	2.10	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.10	U	0.78	2.10	4.20	ug/Kg
591-78-6	2-Hexanone	10.6	U	3.10	10.6	21.2	ug/Kg
124-48-1	Dibromochloromethane	2.10	U	0.74	2.10	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	2.10	U	0.75	2.10	4.20	ug/Kg
127-18-4	Tetrachloroethene	2.10	U	0.89	2.10	4.20	ug/Kg
108-90-7	Chlorobenzene	2.10	U	0.77	2.10	4.20	ug/Kg
100-41-4	Ethyl Benzene	2.10	U	0.57	2.10	4.20	ug/Kg
179601-23-1	m/p-Xylenes	4.20	U	1.10	4.20	8.50	ug/Kg
95-47-6	o-Xylene	2.10	U	0.70	2.10	4.20	ug/Kg
100-42-5	Styrene	2.10	U	0.60	2.10	4.20	ug/Kg
75-25-2	Bromoform	2.10	U	0.73	2.10	4.20	ug/Kg
98-82-8	Isopropylbenzene	2.10	U	0.66	2.10	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.10	U	1.00	2.10	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.10	U	1.50	2.10	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.10	U	1.30	2.10	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.10	U	1.20	2.10	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.40	U	1.60	3.40	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.40	U	2.50	3.40	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.40	U	2.70	3.40	4.20	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.8		71 - 136		120%	SPK: 50
1868-53-7	Dibromofluoromethane	55.3		78 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	50.3		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		79 - 119		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	137000	7.959				
540-36-3	1,4-Difluorobenzene	286000	8.849				
3114-55-4	Chlorobenzene-d5	284000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	146000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.4
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032094.D	1	08/14/25 15:24	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-12	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.1
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032095.D	1	08/14/25 15:47	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.40	U	0.97	3.40	4.30	ug/Kg
74-87-3	Chloromethane	2.10	U	0.97	2.10	4.30	ug/Kg
75-01-4	Vinyl Chloride	2.10	U	0.67	2.10	4.30	ug/Kg
74-83-9	Bromomethane	3.40	U	0.91	3.40	4.30	ug/Kg
75-00-3	Chloroethane	2.10	U	1.10	2.10	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	3.40	U	1.00	3.40	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.10	U	0.90	2.10	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	2.10	U	0.85	2.10	4.30	ug/Kg
67-64-1	Acetone	17.0	U	4.00	17.0	21.3	ug/Kg
75-15-0	Carbon Disulfide	3.40	U	0.90	3.40	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.10	U	0.62	2.10	4.30	ug/Kg
79-20-9	Methyl Acetate	3.40	U	1.30	3.40	4.30	ug/Kg
75-09-2	Methylene Chloride	6.80	U	3.00	6.80	8.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.10	U	0.73	2.10	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	2.10	U	0.68	2.10	4.30	ug/Kg
110-82-7	Cyclohexane	2.10	U	0.67	2.10	4.30	ug/Kg
78-93-3	2-Butanone	17.0	U	5.60	17.0	21.3	ug/Kg
56-23-5	Carbon Tetrachloride	2.10	U	0.83	2.10	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.10	U	0.64	2.10	4.30	ug/Kg
74-97-5	Bromochloromethane	3.40	U	0.98	3.40	4.30	ug/Kg
67-66-3	Chloroform	3.40	U	0.72	3.40	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.10	U	0.79	2.10	4.30	ug/Kg
108-87-2	Methylcyclohexane	2.10	U	0.78	2.10	4.30	ug/Kg
71-43-2	Benzene	2.10	U	0.67	2.10	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	2.10	U	0.67	2.10	4.30	ug/Kg
79-01-6	Trichloroethene	2.10	U	0.69	2.10	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	2.10	U	0.78	2.10	4.30	ug/Kg
75-27-4	Bromodichloromethane	2.10	U	0.66	2.10	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	10.7	U	3.10	10.7	21.3	ug/Kg
108-88-3	Toluene	2.10	U	0.66	2.10	4.30	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-12	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.1
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032095.D	1	08/14/25 15:47	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.10	U	0.55	2.10	4.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.10	U	0.53	2.10	4.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.10	U	0.78	2.10	4.30	ug/Kg
591-78-6	2-Hexanone	10.7	U	3.10	10.7	21.3	ug/Kg
124-48-1	Dibromochloromethane	2.10	U	0.74	2.10	4.30	ug/Kg
106-93-4	1,2-Dibromoethane	2.10	U	0.75	2.10	4.30	ug/Kg
127-18-4	Tetrachloroethene	2.10	U	0.89	2.10	4.30	ug/Kg
108-90-7	Chlorobenzene	2.10	U	0.78	2.10	4.30	ug/Kg
100-41-4	Ethyl Benzene	2.10	U	0.57	2.10	4.30	ug/Kg
179601-23-1	m/p-Xylenes	4.30	U	1.10	4.30	8.50	ug/Kg
95-47-6	o-Xylene	2.10	U	0.70	2.10	4.30	ug/Kg
100-42-5	Styrene	2.10	U	0.61	2.10	4.30	ug/Kg
75-25-2	Bromoform	2.10	U	0.73	2.10	4.30	ug/Kg
98-82-8	Isopropylbenzene	2.10	U	0.66	2.10	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.10	U	1.00	2.10	4.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.10	U	1.50	2.10	4.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.10	U	1.30	2.10	4.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.10	U	1.20	2.10	4.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.40	U	1.60	3.40	4.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.40	U	2.50	3.40	4.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.40	U	2.70	3.40	4.30	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.1		71 - 136		114%	SPK: 50
1868-53-7	Dibromofluoromethane	56.8		78 - 119		114%	SPK: 50
2037-26-5	Toluene-d8	50.7		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		79 - 119		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	147000	7.959				
540-36-3	1,4-Difluorobenzene	292000	8.849				
3114-55-4	Chlorobenzene-d5	295000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-12	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.1
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032095.D	1	08/14/25 15:47	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91.2
Sample Wt/Vol:	9.13 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032096.D	1	08/14/25 16:10	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	2.40	U	0.68	2.40	3.00	ug/Kg
74-87-3	Chloromethane	1.50	U	0.68	1.50	3.00	ug/Kg
75-01-4	Vinyl Chloride	1.50	U	0.47	1.50	3.00	ug/Kg
74-83-9	Bromomethane	2.40	U	0.64	2.40	3.00	ug/Kg
75-00-3	Chloroethane	1.50	U	0.76	1.50	3.00	ug/Kg
75-69-4	Trichlorofluoromethane	2.40	U	0.73	2.40	3.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.50	U	0.64	1.50	3.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.50	U	0.60	1.50	3.00	ug/Kg
67-64-1	Acetone	9.30	J	2.80	12.0	15.0	ug/Kg
75-15-0	Carbon Disulfide	2.40	U	0.64	2.40	3.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.50	U	0.44	1.50	3.00	ug/Kg
79-20-9	Methyl Acetate	2.40	U	0.92	2.40	3.00	ug/Kg
75-09-2	Methylene Chloride	3.30	J	2.10	4.80	6.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.50	U	0.52	1.50	3.00	ug/Kg
75-34-3	1,1-Dichloroethane	1.50	U	0.48	1.50	3.00	ug/Kg
110-82-7	Cyclohexane	1.50	U	0.47	1.50	3.00	ug/Kg
78-93-3	2-Butanone	12.0	U	3.90	12.0	15.0	ug/Kg
56-23-5	Carbon Tetrachloride	1.50	U	0.58	1.50	3.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.50	U	0.45	1.50	3.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	0.69	2.40	3.00	ug/Kg
67-66-3	Chloroform	2.40	U	0.50	2.40	3.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.50	U	0.56	1.50	3.00	ug/Kg
108-87-2	Methylcyclohexane	1.50	U	0.55	1.50	3.00	ug/Kg
71-43-2	Benzene	1.50	U	0.47	1.50	3.00	ug/Kg
107-06-2	1,2-Dichloroethane	1.50	U	0.47	1.50	3.00	ug/Kg
79-01-6	Trichloroethene	1.50	U	0.49	1.50	3.00	ug/Kg
78-87-5	1,2-Dichloropropane	1.50	U	0.55	1.50	3.00	ug/Kg
75-27-4	Bromodichloromethane	1.50	U	0.47	1.50	3.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.50	U	2.10	7.50	15.0	ug/Kg
108-88-3	Toluene	1.50	U	0.47	1.50	3.00	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91.2
Sample Wt/Vol:	9.13 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032096.D	1	08/14/25 16:10	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.50	U	0.39	1.50	3.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.50	U	0.37	1.50	3.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.50	U	0.55	1.50	3.00	ug/Kg
591-78-6	2-Hexanone	7.50	U	2.20	7.50	15.0	ug/Kg
124-48-1	Dibromochloromethane	1.50	U	0.52	1.50	3.00	ug/Kg
106-93-4	1,2-Dibromoethane	1.50	U	0.53	1.50	3.00	ug/Kg
127-18-4	Tetrachloroethene	1.50	U	0.63	1.50	3.00	ug/Kg
108-90-7	Chlorobenzene	1.50	U	0.55	1.50	3.00	ug/Kg
100-41-4	Ethyl Benzene	1.50	U	0.40	1.50	3.00	ug/Kg
179601-23-1	m/p-Xylenes	3.00	U	0.74	3.00	6.00	ug/Kg
95-47-6	o-Xylene	1.50	U	0.49	1.50	3.00	ug/Kg
100-42-5	Styrene	1.50	U	0.43	1.50	3.00	ug/Kg
75-25-2	Bromoform	1.50	U	0.52	1.50	3.00	ug/Kg
98-82-8	Isopropylbenzene	1.50	U	0.47	1.50	3.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	0.73	1.50	3.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.00	1.50	3.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	0.94	1.50	3.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	0.87	1.50	3.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.40	U	1.10	2.40	3.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	1.80	2.40	3.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.40	U	1.90	2.40	3.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.2		71 - 136		108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		78 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	46.6		85 - 116		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.5		79 - 119		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	154000	7.965				
540-36-3	1,4-Difluorobenzene	317000	8.855				
3114-55-4	Chlorobenzene-d5	348000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	179000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91.2
Sample Wt/Vol:	9.13 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032096.D	1	08/14/25 16:10	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-14	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.3
Sample Wt/Vol:	7.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032097.D	1	08/14/25 16:32	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.20	U	0.92	3.20	4.00	ug/Kg
74-87-3	Chloromethane	2.00	U	0.92	2.00	4.00	ug/Kg
75-01-4	Vinyl Chloride	2.00	U	0.64	2.00	4.00	ug/Kg
74-83-9	Bromomethane	3.20	U	0.86	3.20	4.00	ug/Kg
75-00-3	Chloroethane	2.00	U	1.00	2.00	4.00	ug/Kg
75-69-4	Trichlorofluoromethane	3.20	U	0.97	3.20	4.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.00	U	0.85	2.00	4.00	ug/Kg
75-35-4	1,1-Dichloroethene	2.00	U	0.80	2.00	4.00	ug/Kg
67-64-1	Acetone	16.1	U	3.80	16.1	20.1	ug/Kg
75-15-0	Carbon Disulfide	3.20	U	0.85	3.20	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.00	U	0.59	2.00	4.00	ug/Kg
79-20-9	Methyl Acetate	3.20	U	1.20	3.20	4.00	ug/Kg
75-09-2	Methylene Chloride	6.40	U	2.80	6.40	8.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.00	U	0.69	2.00	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	2.00	U	0.64	2.00	4.00	ug/Kg
110-82-7	Cyclohexane	2.00	U	0.64	2.00	4.00	ug/Kg
78-93-3	2-Butanone	16.1	U	5.30	16.1	20.1	ug/Kg
56-23-5	Carbon Tetrachloride	2.00	U	0.78	2.00	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.00	U	0.60	2.00	4.00	ug/Kg
74-97-5	Bromochloromethane	3.20	U	0.92	3.20	4.00	ug/Kg
67-66-3	Chloroform	3.20	U	0.68	3.20	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.00	U	0.75	2.00	4.00	ug/Kg
108-87-2	Methylcyclohexane	2.00	U	0.73	2.00	4.00	ug/Kg
71-43-2	Benzene	2.00	U	0.64	2.00	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	2.00	U	0.64	2.00	4.00	ug/Kg
79-01-6	Trichloroethene	2.00	U	0.65	2.00	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	2.00	U	0.73	2.00	4.00	ug/Kg
75-27-4	Bromodichloromethane	2.00	U	0.63	2.00	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	10.0	U	2.90	10.0	20.1	ug/Kg
108-88-3	Toluene	2.00	U	0.63	2.00	4.00	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-14	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.3
Sample Wt/Vol:	7.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032097.D	1	08/14/25 16:32	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.00	U	0.52	2.00	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.00	U	0.50	2.00	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.00	U	0.74	2.00	4.00	ug/Kg
591-78-6	2-Hexanone	10.0	U	3.00	10.0	20.1	ug/Kg
124-48-1	Dibromochloromethane	2.00	U	0.70	2.00	4.00	ug/Kg
106-93-4	1,2-Dibromoethane	2.00	U	0.71	2.00	4.00	ug/Kg
127-18-4	Tetrachloroethene	2.00	U	0.84	2.00	4.00	ug/Kg
108-90-7	Chlorobenzene	2.00	U	0.73	2.00	4.00	ug/Kg
100-41-4	Ethyl Benzene	2.00	U	0.54	2.00	4.00	ug/Kg
179601-23-1	m/p-Xylenes	4.00	U	1.00	4.00	8.00	ug/Kg
95-47-6	o-Xylene	2.00	U	0.66	2.00	4.00	ug/Kg
100-42-5	Styrene	2.00	U	0.57	2.00	4.00	ug/Kg
75-25-2	Bromoform	2.00	U	0.69	2.00	4.00	ug/Kg
98-82-8	Isopropylbenzene	2.00	U	0.63	2.00	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.00	U	0.97	2.00	4.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.00	U	1.40	2.00	4.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.00	U	1.30	2.00	4.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.00	U	1.20	2.00	4.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.20	U	1.50	3.20	4.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.20	U	2.40	3.20	4.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	2.60	3.20	4.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	61.1		71 - 136		122%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		78 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	47.7		85 - 116		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.1		79 - 119		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	132000	7.959				
540-36-3	1,4-Difluorobenzene	288000	8.849				
3114-55-4	Chlorobenzene-d5	286000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	140000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-14	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.3
Sample Wt/Vol:	7.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032097.D	1	08/14/25 16:32	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.5
Sample Wt/Vol:	7.75 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023142.D	1	08/19/25 11:44	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	2.90	U	0.83	2.90	3.60	ug/Kg
74-87-3	Chloromethane	1.80	U	0.83	1.80	3.60	ug/Kg
75-01-4	Vinyl Chloride	1.80	U	0.58	1.80	3.60	ug/Kg
74-83-9	Bromomethane	2.90	U	0.78	2.90	3.60	ug/Kg
75-00-3	Chloroethane	1.80	U	0.92	1.80	3.60	ug/Kg
75-69-4	Trichlorofluoromethane	2.90	U	0.88	2.90	3.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.80	U	0.77	1.80	3.60	ug/Kg
75-35-4	1,1-Dichloroethene	1.80	U	0.73	1.80	3.60	ug/Kg
67-64-1	Acetone	14.6	U	3.50	14.6	18.2	ug/Kg
75-15-0	Carbon Disulfide	2.90	U	0.77	2.90	3.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.80	U	0.53	1.80	3.60	ug/Kg
79-20-9	Methyl Acetate	2.90	U	1.10	2.90	3.60	ug/Kg
75-09-2	Methylene Chloride	5.80	U	2.60	5.80	7.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.80	U	0.63	1.80	3.60	ug/Kg
75-34-3	1,1-Dichloroethane	1.80	U	0.58	1.80	3.60	ug/Kg
110-82-7	Cyclohexane	1.80	U	0.58	1.80	3.60	ug/Kg
78-93-3	2-Butanone	14.6	U	4.80	14.6	18.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.80	U	0.71	1.80	3.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.80	U	0.55	1.80	3.60	ug/Kg
74-97-5	Bromochloromethane	2.90	U	0.84	2.90	3.60	ug/Kg
67-66-3	Chloroform	2.90	U	0.61	2.90	3.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.80	U	0.68	1.80	3.60	ug/Kg
108-87-2	Methylcyclohexane	1.80	U	0.66	1.80	3.60	ug/Kg
71-43-2	Benzene	1.80	U	0.58	1.80	3.60	ug/Kg
107-06-2	1,2-Dichloroethane	1.80	U	0.58	1.80	3.60	ug/Kg
79-01-6	Trichloroethene	1.80	U	0.59	1.80	3.60	ug/Kg
78-87-5	1,2-Dichloropropane	1.80	U	0.66	1.80	3.60	ug/Kg
75-27-4	Bromodichloromethane	1.80	U	0.57	1.80	3.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.10	U	2.60	9.10	18.2	ug/Kg
108-88-3	Toluene	1.80	U	0.57	1.80	3.60	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.5
Sample Wt/Vol:	7.75 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023142.D	1	08/19/25 11:44	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.80	U	0.47	1.80	3.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.80	U	0.45	1.80	3.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.80	U	0.67	1.80	3.60	ug/Kg
591-78-6	2-Hexanone	9.10	U	2.70	9.10	18.2	ug/Kg
124-48-1	Dibromochloromethane	1.80	U	0.63	1.80	3.60	ug/Kg
106-93-4	1,2-Dibromoethane	1.80	U	0.64	1.80	3.60	ug/Kg
127-18-4	Tetrachloroethene	1.80	U	0.77	1.80	3.60	ug/Kg
108-90-7	Chlorobenzene	1.80	U	0.66	1.80	3.60	ug/Kg
100-41-4	Ethyl Benzene	1.80	U	0.49	1.80	3.60	ug/Kg
179601-23-1	m/p-Xylenes	3.60	U	0.90	3.60	7.30	ug/Kg
95-47-6	o-Xylene	1.80	U	0.60	1.80	3.60	ug/Kg
100-42-5	Styrene	1.80	U	0.52	1.80	3.60	ug/Kg
75-25-2	Bromoform	1.80	U	0.63	1.80	3.60	ug/Kg
98-82-8	Isopropylbenzene	1.80	U	0.57	1.80	3.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.80	U	0.88	1.80	3.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.20	1.80	3.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.80	U	1.10	1.80	3.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.10	1.80	3.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.90	U	1.30	2.90	3.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.90	U	2.20	2.90	3.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.90	U	2.30	2.90	3.60	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.2		71 - 136		106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		78 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	51.2		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		79 - 119		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	633000	7.707				
540-36-3	1,4-Difluorobenzene	1170000	8.615				
3114-55-4	Chlorobenzene-d5	1040000	11.413				
3855-82-1	1,4-Dichlorobenzene-d4	448000	13.346				
TENTATIVE IDENTIFIED COMPOUNDS							

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.5
Sample Wt/Vol:	7.75 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023142.D	1	08/19/25 11:44	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
004057-42-5	2-Octene, 2,6-dimethyl-	11.5	J			12.6	ug/Kg
	unknown12.651	6.90	J			12.7	ug/Kg
	unknown12.730	15.0	J			12.7	ug/Kg
1000195-06-9	3,4-Dimethylpent-2-en-1-ol	9.20	J			13.0	ug/Kg
001678-98-4	Cyclohexane, (2-methylpropyl)-	13.5	J			13.2	ug/Kg
1000372-78-8	Isobutyl undecyl carbonate	6.60	J			13.3	ug/Kg
071186-27-1	1-Ethyl-2,2,6-trimethylcyclohexane	6.10	J			13.5	ug/Kg
000091-17-8	Naphthalene, decahydro-	19.2	J			13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	12.8	J			14.2	ug/Kg
1000155-85-6	cis-Decalin, 2-syn-methyl-	6.20	J			14.3	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-16	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	6.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032099.D	1	08/14/25 17:17	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.80	U	1.10	3.80	4.80	ug/Kg
74-87-3	Chloromethane	2.40	U	1.10	2.40	4.80	ug/Kg
75-01-4	Vinyl Chloride	2.40	U	0.75	2.40	4.80	ug/Kg
74-83-9	Bromomethane	3.80	U	1.00	3.80	4.80	ug/Kg
75-00-3	Chloroethane	2.40	U	1.20	2.40	4.80	ug/Kg
75-69-4	Trichlorofluoromethane	3.80	U	1.20	3.80	4.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.40	U	1.00	2.40	4.80	ug/Kg
75-35-4	1,1-Dichloroethene	2.40	U	0.95	2.40	4.80	ug/Kg
67-64-1	Acetone	19.1	U	4.50	19.1	23.9	ug/Kg
75-15-0	Carbon Disulfide	3.80	U	1.00	3.80	4.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.40	U	0.70	2.40	4.80	ug/Kg
79-20-9	Methyl Acetate	3.80	U	1.50	3.80	4.80	ug/Kg
75-09-2	Methylene Chloride	7.60	U	3.40	7.60	9.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.40	U	0.82	2.40	4.80	ug/Kg
75-34-3	1,1-Dichloroethane	2.40	U	0.76	2.40	4.80	ug/Kg
110-82-7	Cyclohexane	2.40	U	0.75	2.40	4.80	ug/Kg
78-93-3	2-Butanone	19.1	U	6.20	19.1	23.9	ug/Kg
56-23-5	Carbon Tetrachloride	2.40	U	0.93	2.40	4.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.40	U	0.72	2.40	4.80	ug/Kg
74-97-5	Bromochloromethane	3.80	U	1.10	3.80	4.80	ug/Kg
67-66-3	Chloroform	3.80	U	0.80	3.80	4.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.40	U	0.89	2.40	4.80	ug/Kg
108-87-2	Methylcyclohexane	2.40	U	0.87	2.40	4.80	ug/Kg
71-43-2	Benzene	2.40	U	0.75	2.40	4.80	ug/Kg
107-06-2	1,2-Dichloroethane	2.40	U	0.75	2.40	4.80	ug/Kg
79-01-6	Trichloroethene	2.40	U	0.77	2.40	4.80	ug/Kg
78-87-5	1,2-Dichloropropane	2.40	U	0.87	2.40	4.80	ug/Kg
75-27-4	Bromodichloromethane	2.40	U	0.74	2.40	4.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	11.9	U	3.40	11.9	23.9	ug/Kg
108-88-3	Toluene	2.40	U	0.74	2.40	4.80	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-16	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	6.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032099.D	1	08/14/25 17:17	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.40	U	0.62	2.40	4.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.40	U	0.59	2.40	4.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.40	U	0.88	2.40	4.80	ug/Kg
591-78-6	2-Hexanone	11.9	U	3.50	11.9	23.9	ug/Kg
124-48-1	Dibromochloromethane	2.40	U	0.83	2.40	4.80	ug/Kg
106-93-4	1,2-Dibromoethane	2.40	U	0.84	2.40	4.80	ug/Kg
127-18-4	Tetrachloroethene	2.40	U	1.00	2.40	4.80	ug/Kg
108-90-7	Chlorobenzene	2.40	U	0.87	2.40	4.80	ug/Kg
100-41-4	Ethyl Benzene	2.40	U	0.64	2.40	4.80	ug/Kg
179601-23-1	m/p-Xylenes	4.80	U	1.20	4.80	9.50	ug/Kg
95-47-6	o-Xylene	2.40	U	0.78	2.40	4.80	ug/Kg
100-42-5	Styrene	2.40	U	0.68	2.40	4.80	ug/Kg
75-25-2	Bromoform	2.40	U	0.82	2.40	4.80	ug/Kg
98-82-8	Isopropylbenzene	2.40	U	0.74	2.40	4.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.40	U	1.20	2.40	4.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.40	U	1.60	2.40	4.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.40	U	1.50	2.40	4.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.40	U	1.40	2.40	4.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.80	U	1.80	3.80	4.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.80	U	2.80	3.80	4.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.80	U	3.00	3.80	4.80	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.6		71 - 136		119%	SPK: 50
1868-53-7	Dibromofluoromethane	55.1		78 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	50.5		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		79 - 119		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	140000	7.959				
540-36-3	1,4-Difluorobenzene	294000	8.855				
3114-55-4	Chlorobenzene-d5	292000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	143000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-16	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	6.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032099.D	1	08/14/25 17:17	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-17	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.6
Sample Wt/Vol:	6.84 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032100.D	1	08/14/25 17:40	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.50	U	1.00	3.50	4.40	ug/Kg
74-87-3	Chloromethane	2.20	U	1.00	2.20	4.40	ug/Kg
75-01-4	Vinyl Chloride	2.20	U	0.70	2.20	4.40	ug/Kg
74-83-9	Bromomethane	3.50	U	0.95	3.50	4.40	ug/Kg
75-00-3	Chloroethane	2.20	U	1.10	2.20	4.40	ug/Kg
75-69-4	Trichlorofluoromethane	3.50	U	1.10	3.50	4.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.20	U	0.94	2.20	4.40	ug/Kg
75-35-4	1,1-Dichloroethene	2.20	U	0.88	2.20	4.40	ug/Kg
67-64-1	Acetone	17.7	U	4.20	17.7	22.1	ug/Kg
75-15-0	Carbon Disulfide	3.50	U	0.94	3.50	4.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.20	U	0.65	2.20	4.40	ug/Kg
79-20-9	Methyl Acetate	3.50	U	1.40	3.50	4.40	ug/Kg
75-09-2	Methylene Chloride	7.10	U	3.10	7.10	8.80	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.20	U	0.76	2.20	4.40	ug/Kg
75-34-3	1,1-Dichloroethane	2.20	U	0.71	2.20	4.40	ug/Kg
110-82-7	Cyclohexane	2.20	U	0.70	2.20	4.40	ug/Kg
78-93-3	2-Butanone	17.7	U	5.80	17.7	22.1	ug/Kg
56-23-5	Carbon Tetrachloride	2.20	U	0.86	2.20	4.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.20	U	0.66	2.20	4.40	ug/Kg
74-97-5	Bromochloromethane	3.50	U	1.00	3.50	4.40	ug/Kg
67-66-3	Chloroform	3.50	U	0.74	3.50	4.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.20	U	0.82	2.20	4.40	ug/Kg
108-87-2	Methylcyclohexane	2.20	U	0.81	2.20	4.40	ug/Kg
71-43-2	Benzene	2.20	U	0.70	2.20	4.40	ug/Kg
107-06-2	1,2-Dichloroethane	2.20	U	0.70	2.20	4.40	ug/Kg
79-01-6	Trichloroethene	2.20	U	0.72	2.20	4.40	ug/Kg
78-87-5	1,2-Dichloropropane	2.20	U	0.81	2.20	4.40	ug/Kg
75-27-4	Bromodichloromethane	2.20	U	0.69	2.20	4.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	11.1	U	3.20	11.1	22.1	ug/Kg
108-88-3	Toluene	2.20	U	0.69	2.20	4.40	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-17	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.6
Sample Wt/Vol:	6.84 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032100.D	1	08/14/25 17:40	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.20	U	0.58	2.20	4.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.20	U	0.55	2.20	4.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.20	U	0.81	2.20	4.40	ug/Kg
591-78-6	2-Hexanone	11.1	U	3.30	11.1	22.1	ug/Kg
124-48-1	Dibromochloromethane	2.20	U	0.77	2.20	4.40	ug/Kg
106-93-4	1,2-Dibromoethane	2.20	U	0.78	2.20	4.40	ug/Kg
127-18-4	Tetrachloroethene	2.20	U	0.93	2.20	4.40	ug/Kg
108-90-7	Chlorobenzene	2.20	U	0.81	2.20	4.40	ug/Kg
100-41-4	Ethyl Benzene	2.20	U	0.59	2.20	4.40	ug/Kg
179601-23-1	m/p-Xylenes	4.40	U	1.10	4.40	8.80	ug/Kg
95-47-6	o-Xylene	2.20	U	0.73	2.20	4.40	ug/Kg
100-42-5	Styrene	2.20	U	0.63	2.20	4.40	ug/Kg
75-25-2	Bromoform	2.20	U	0.76	2.20	4.40	ug/Kg
98-82-8	Isopropylbenzene	2.20	U	0.69	2.20	4.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.20	U	1.10	2.20	4.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.20	U	1.50	2.20	4.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.20	U	1.40	2.20	4.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.20	U	1.30	2.20	4.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.50	U	1.60	3.50	4.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.50	U	2.60	3.50	4.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.50	U	2.80	3.50	4.40	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	60.2		71 - 136		120%	SPK: 50
1868-53-7	Dibromofluoromethane	55.2		78 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	49.1		85 - 116		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		79 - 119		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	139000	7.965				
540-36-3	1,4-Difluorobenzene	294000	8.849				
3114-55-4	Chlorobenzene-d5	290000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-17	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.6
Sample Wt/Vol:	6.84 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032100.D	1	08/14/25 17:40	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-18	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	7.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032101.D	1	08/14/25 18:02	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.10	U	0.87	3.10	3.80	ug/Kg
74-87-3	Chloromethane	1.90	U	0.87	1.90	3.80	ug/Kg
75-01-4	Vinyl Chloride	1.90	U	0.60	1.90	3.80	ug/Kg
74-83-9	Bromomethane	3.10	U	0.82	3.10	3.80	ug/Kg
75-00-3	Chloroethane	1.90	U	0.96	1.90	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	3.10	U	0.92	3.10	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.90	U	0.81	1.90	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	1.90	U	0.76	1.90	3.80	ug/Kg
67-64-1	Acetone	64.0		3.60	15.3	19.1	ug/Kg
75-15-0	Carbon Disulfide	3.10	U	0.81	3.10	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.90	U	0.56	1.90	3.80	ug/Kg
79-20-9	Methyl Acetate	3.10	U	1.20	3.10	3.80	ug/Kg
75-09-2	Methylene Chloride	6.10	U	2.70	6.10	7.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.90	U	0.66	1.90	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	1.90	U	0.61	1.90	3.80	ug/Kg
110-82-7	Cyclohexane	1.90	U	0.60	1.90	3.80	ug/Kg
78-93-3	2-Butanone	6.70	J	5.00	15.3	19.1	ug/Kg
56-23-5	Carbon Tetrachloride	1.90	U	0.74	1.90	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.90	U	0.57	1.90	3.80	ug/Kg
74-97-5	Bromochloromethane	3.10	U	0.88	3.10	3.80	ug/Kg
67-66-3	Chloroform	3.10	U	0.64	3.10	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.90	U	0.71	1.90	3.80	ug/Kg
108-87-2	Methylcyclohexane	1.90	U	0.69	1.90	3.80	ug/Kg
71-43-2	Benzene	1.90	U	0.60	1.90	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	1.90	U	0.60	1.90	3.80	ug/Kg
79-01-6	Trichloroethene	1.90	U	0.62	1.90	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	1.90	U	0.69	1.90	3.80	ug/Kg
75-27-4	Bromodichloromethane	1.90	U	0.60	1.90	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.50	U	2.70	9.50	19.1	ug/Kg
108-88-3	Toluene	1.90	U	0.60	1.90	3.80	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-18	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	7.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032101.D	1	08/14/25 18:02	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.90	U	0.50	1.90	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.90	U	0.47	1.90	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.90	U	0.70	1.90	3.80	ug/Kg
591-78-6	2-Hexanone	9.50	U	2.80	9.50	19.1	ug/Kg
124-48-1	Dibromochloromethane	1.90	U	0.66	1.90	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	1.90	U	0.67	1.90	3.80	ug/Kg
127-18-4	Tetrachloroethene	1.90	U	0.80	1.90	3.80	ug/Kg
108-90-7	Chlorobenzene	1.90	U	0.69	1.90	3.80	ug/Kg
100-41-4	Ethyl Benzene	1.90	U	0.51	1.90	3.80	ug/Kg
179601-23-1	m/p-Xylenes	3.80	U	0.95	3.80	7.60	ug/Kg
95-47-6	o-Xylene	1.90	U	0.63	1.90	3.80	ug/Kg
100-42-5	Styrene	1.90	U	0.54	1.90	3.80	ug/Kg
75-25-2	Bromoform	1.90	U	0.66	1.90	3.80	ug/Kg
98-82-8	Isopropylbenzene	1.90	U	0.60	1.90	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.90	U	0.92	1.90	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.30	1.90	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.90	U	1.20	1.90	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.90	U	1.10	1.90	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.10	U	1.40	3.10	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.10	U	2.30	3.10	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.10	U	2.40	3.10	3.80	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.4		71 - 136		117%	SPK: 50
1868-53-7	Dibromofluoromethane	55.7		78 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	50.5		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.0		79 - 119		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	147000	7.959				
540-36-3	1,4-Difluorobenzene	297000	8.856				
3114-55-4	Chlorobenzene-d5	296000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	149000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-18	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	7.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032101.D	1	08/14/25 18:02	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-19	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.6
Sample Wt/Vol:	9.63 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032102.D	1	08/14/25 18:25	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	2.30	U	0.67	2.30	2.90	ug/Kg
74-87-3	Chloromethane	1.50	U	0.67	1.50	2.90	ug/Kg
75-01-4	Vinyl Chloride	1.50	U	0.46	1.50	2.90	ug/Kg
74-83-9	Bromomethane	2.30	U	0.63	2.30	2.90	ug/Kg
75-00-3	Chloroethane	1.50	U	0.74	1.50	2.90	ug/Kg
75-69-4	Trichlorofluoromethane	2.30	U	0.71	2.30	2.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.50	U	0.62	1.50	2.90	ug/Kg
75-35-4	1,1-Dichloroethene	1.50	U	0.59	1.50	2.90	ug/Kg
67-64-1	Acetone	58.9		2.80	11.7	14.7	ug/Kg
75-15-0	Carbon Disulfide	2.30	U	0.62	2.30	2.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.50	U	0.43	1.50	2.90	ug/Kg
79-20-9	Methyl Acetate	2.30	U	0.90	2.30	2.90	ug/Kg
75-09-2	Methylene Chloride	3.80	J	2.10	4.70	5.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.50	U	0.50	1.50	2.90	ug/Kg
75-34-3	1,1-Dichloroethane	1.50	U	0.47	1.50	2.90	ug/Kg
110-82-7	Cyclohexane	1.50	U	0.46	1.50	2.90	ug/Kg
78-93-3	2-Butanone	5.50	J	3.80	11.7	14.7	ug/Kg
56-23-5	Carbon Tetrachloride	1.50	U	0.57	1.50	2.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.50	U	0.44	1.50	2.90	ug/Kg
74-97-5	Bromochloromethane	2.30	U	0.67	2.30	2.90	ug/Kg
67-66-3	Chloroform	2.30	U	0.49	2.30	2.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.50	U	0.54	1.50	2.90	ug/Kg
108-87-2	Methylcyclohexane	1.50	U	0.53	1.50	2.90	ug/Kg
71-43-2	Benzene	1.50	U	0.46	1.50	2.90	ug/Kg
107-06-2	1,2-Dichloroethane	1.50	U	0.46	1.50	2.90	ug/Kg
79-01-6	Trichloroethene	1.50	U	0.47	1.50	2.90	ug/Kg
78-87-5	1,2-Dichloropropane	1.50	U	0.53	1.50	2.90	ug/Kg
75-27-4	Bromodichloromethane	1.50	U	0.46	1.50	2.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.30	U	2.10	7.30	14.7	ug/Kg
108-88-3	Toluene	1.50	U	0.46	1.50	2.90	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-19	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.6
Sample Wt/Vol:	9.63 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032102.D	1	08/14/25 18:25	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.50	U	0.38	1.50	2.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.50	U	0.36	1.50	2.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.50	U	0.54	1.50	2.90	ug/Kg
591-78-6	2-Hexanone	7.30	U	2.20	7.30	14.7	ug/Kg
124-48-1	Dibromochloromethane	1.50	U	0.51	1.50	2.90	ug/Kg
106-93-4	1,2-Dibromoethane	1.50	U	0.52	1.50	2.90	ug/Kg
127-18-4	Tetrachloroethene	1.50	U	0.62	1.50	2.90	ug/Kg
108-90-7	Chlorobenzene	1.50	U	0.53	1.50	2.90	ug/Kg
100-41-4	Ethyl Benzene	1.50	U	0.39	1.50	2.90	ug/Kg
179601-23-1	m/p-Xylenes	2.90	U	0.73	2.90	5.90	ug/Kg
95-47-6	o-Xylene	1.50	U	0.48	1.50	2.90	ug/Kg
100-42-5	Styrene	1.50	U	0.42	1.50	2.90	ug/Kg
75-25-2	Bromoform	1.50	U	0.50	1.50	2.90	ug/Kg
98-82-8	Isopropylbenzene	1.50	U	0.46	1.50	2.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	0.71	1.50	2.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.00	1.50	2.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	0.91	1.50	2.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	0.85	1.50	2.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.30	U	1.10	2.30	2.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.30	U	1.70	2.30	2.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.30	U	1.90	2.30	2.90	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.5		71 - 136		119%	SPK: 50
1868-53-7	Dibromofluoromethane	54.5		78 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	50.2		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		79 - 119		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	140000	7.965				
540-36-3	1,4-Difluorobenzene	295000	8.855				
3114-55-4	Chlorobenzene-d5	290000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-19	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.6
Sample Wt/Vol:	9.63 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032102.D	1	08/14/25 18:25	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.6
Sample Wt/Vol:	8.76 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032103.D	1	08/14/25 18:47	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	2.70	U	0.77	2.70	3.40	ug/Kg
74-87-3	Chloromethane	1.70	U	0.77	1.70	3.40	ug/Kg
75-01-4	Vinyl Chloride	1.70	U	0.53	1.70	3.40	ug/Kg
74-83-9	Bromomethane	2.70	U	0.72	2.70	3.40	ug/Kg
75-00-3	Chloroethane	1.70	U	0.85	1.70	3.40	ug/Kg
75-69-4	Trichlorofluoromethane	2.70	U	0.82	2.70	3.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.70	U	0.72	1.70	3.40	ug/Kg
75-35-4	1,1-Dichloroethene	1.70	U	0.67	1.70	3.40	ug/Kg
67-64-1	Acetone	47.3		3.20	13.5	16.9	ug/Kg
75-15-0	Carbon Disulfide	2.70	U	0.72	2.70	3.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.70	U	0.49	1.70	3.40	ug/Kg
79-20-9	Methyl Acetate	2.70	U	1.00	2.70	3.40	ug/Kg
75-09-2	Methylene Chloride	5.40	U	2.40	5.40	6.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.70	U	0.58	1.70	3.40	ug/Kg
75-34-3	1,1-Dichloroethane	1.70	U	0.54	1.70	3.40	ug/Kg
110-82-7	Cyclohexane	1.70	U	0.53	1.70	3.40	ug/Kg
78-93-3	2-Butanone	13.5	U	4.40	13.5	16.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.70	U	0.65	1.70	3.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.70	U	0.51	1.70	3.40	ug/Kg
74-97-5	Bromochloromethane	2.70	U	0.78	2.70	3.40	ug/Kg
67-66-3	Chloroform	2.70	U	0.57	2.70	3.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.70	U	0.63	1.70	3.40	ug/Kg
108-87-2	Methylcyclohexane	1.70	U	0.61	1.70	3.40	ug/Kg
71-43-2	Benzene	1.70	U	0.53	1.70	3.40	ug/Kg
107-06-2	1,2-Dichloroethane	1.70	U	0.53	1.70	3.40	ug/Kg
79-01-6	Trichloroethene	1.70	U	0.55	1.70	3.40	ug/Kg
78-87-5	1,2-Dichloropropane	1.70	U	0.61	1.70	3.40	ug/Kg
75-27-4	Bromodichloromethane	1.70	U	0.53	1.70	3.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.40	U	2.40	8.40	16.9	ug/Kg
108-88-3	Toluene	1.70	U	0.53	1.70	3.40	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.6
Sample Wt/Vol:	8.76 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032103.D	1	08/14/25 18:47	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.70	U	0.44	1.70	3.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.70	U	0.42	1.70	3.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.70	U	0.62	1.70	3.40	ug/Kg
591-78-6	2-Hexanone	8.40	U	2.50	8.40	16.9	ug/Kg
124-48-1	Dibromochloromethane	1.70	U	0.59	1.70	3.40	ug/Kg
106-93-4	1,2-Dibromoethane	1.70	U	0.59	1.70	3.40	ug/Kg
127-18-4	Tetrachloroethene	1.70	U	0.71	1.70	3.40	ug/Kg
108-90-7	Chlorobenzene	1.70	U	0.61	1.70	3.40	ug/Kg
100-41-4	Ethyl Benzene	1.70	U	0.45	1.70	3.40	ug/Kg
179601-23-1	m/p-Xylenes	3.40	U	0.84	3.40	6.70	ug/Kg
95-47-6	o-Xylene	1.70	U	0.55	1.70	3.40	ug/Kg
100-42-5	Styrene	1.70	U	0.48	1.70	3.40	ug/Kg
75-25-2	Bromoform	1.70	U	0.58	1.70	3.40	ug/Kg
98-82-8	Isopropylbenzene	1.70	U	0.53	1.70	3.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.70	U	0.82	1.70	3.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.20	1.70	3.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.10	1.70	3.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.70	U	0.98	1.70	3.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.70	U	1.20	2.70	3.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.70	U	2.00	2.70	3.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.70	U	2.10	2.70	3.40	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	60.4		71 - 136		121%	SPK: 50
1868-53-7	Dibromofluoromethane	55.3		78 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	49.9		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		79 - 119		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	146000	7.965				
540-36-3	1,4-Difluorobenzene	298000	8.856				
3114-55-4	Chlorobenzene-d5	290000	11.636				
3855-82-1	1,4-Dichlorobenzene-d4	135000	13.556				
TENTATIVE IDENTIFIED COMPOUNDS							

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.6
Sample Wt/Vol:	8.76 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032103.D	1	08/14/25 18:47	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
000075-18-3	Dimethyl sulfide	4.30	J			4.24	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-21	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.2
Sample Wt/Vol:	7.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023118.D	1	08/15/25 11:54	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	2.90	U	0.81	2.90	3.60	ug/Kg
74-87-3	Chloromethane	1.80	U	0.81	1.80	3.60	ug/Kg
75-01-4	Vinyl Chloride	1.80	U	0.56	1.80	3.60	ug/Kg
74-83-9	Bromomethane	2.90	U	0.76	2.90	3.60	ug/Kg
75-00-3	Chloroethane	1.80	U	0.90	1.80	3.60	ug/Kg
75-69-4	Trichlorofluoromethane	2.90	U	0.86	2.90	3.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.80	U	0.76	1.80	3.60	ug/Kg
75-35-4	1,1-Dichloroethene	1.80	U	0.71	1.80	3.60	ug/Kg
67-64-1	Acetone	14.3	U	3.40	14.3	17.9	ug/Kg
75-15-0	Carbon Disulfide	2.90	U	0.76	2.90	3.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.80	U	0.52	1.80	3.60	ug/Kg
79-20-9	Methyl Acetate	2.90	U	1.10	2.90	3.60	ug/Kg
75-09-2	Methylene Chloride	5.70	U	2.50	5.70	7.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.80	U	0.61	1.80	3.60	ug/Kg
75-34-3	1,1-Dichloroethane	1.80	U	0.57	1.80	3.60	ug/Kg
110-82-7	Cyclohexane	1.80	U	0.56	1.80	3.60	ug/Kg
78-93-3	2-Butanone	14.3	U	4.70	14.3	17.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.80	U	0.69	1.80	3.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.80	U	0.54	1.80	3.60	ug/Kg
74-97-5	Bromochloromethane	2.90	U	0.82	2.90	3.60	ug/Kg
67-66-3	Chloroform	2.90	U	0.60	2.90	3.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.80	U	0.66	1.80	3.60	ug/Kg
108-87-2	Methylcyclohexane	1.80	U	0.65	1.80	3.60	ug/Kg
71-43-2	Benzene	1.80	U	0.56	1.80	3.60	ug/Kg
107-06-2	1,2-Dichloroethane	1.80	U	0.56	1.80	3.60	ug/Kg
79-01-6	Trichloroethene	1.80	U	0.58	1.80	3.60	ug/Kg
78-87-5	1,2-Dichloropropane	1.80	U	0.65	1.80	3.60	ug/Kg
75-27-4	Bromodichloromethane	1.80	U	0.56	1.80	3.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.90	U	2.60	8.90	17.9	ug/Kg
108-88-3	Toluene	1.80	U	0.56	1.80	3.60	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-21	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.2
Sample Wt/Vol:	7.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023118.D	1	08/15/25 11:54	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.80	U	0.46	1.80	3.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.80	U	0.44	1.80	3.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.80	U	0.66	1.80	3.60	ug/Kg
591-78-6	2-Hexanone	8.90	U	2.60	8.90	17.9	ug/Kg
124-48-1	Dibromochloromethane	1.80	U	0.62	1.80	3.60	ug/Kg
106-93-4	1,2-Dibromoethane	1.80	U	0.63	1.80	3.60	ug/Kg
127-18-4	Tetrachloroethene	1.80	U	0.75	1.80	3.60	ug/Kg
108-90-7	Chlorobenzene	1.80	U	0.65	1.80	3.60	ug/Kg
100-41-4	Ethyl Benzene	1.80	U	0.48	1.80	3.60	ug/Kg
179601-23-1	m/p-Xylenes	3.60	U	0.89	3.60	7.10	ug/Kg
95-47-6	o-Xylene	1.80	U	0.59	1.80	3.60	ug/Kg
100-42-5	Styrene	1.80	U	0.51	1.80	3.60	ug/Kg
75-25-2	Bromoform	1.80	U	0.61	1.80	3.60	ug/Kg
98-82-8	Isopropylbenzene	1.80	U	0.56	1.80	3.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.80	U	0.86	1.80	3.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.20	1.80	3.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.80	U	1.10	1.80	3.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.00	1.80	3.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.90	U	1.30	2.90	3.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.90	U	2.10	2.90	3.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.90	U	2.30	2.90	3.60	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.1		71 - 136		114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		78 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	51.8		85 - 116		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		79 - 119		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	571000	7.707				
540-36-3	1,4-Difluorobenzene	1080000	8.61				
3114-55-4	Chlorobenzene-d5	964000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	388000	13.34				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-21	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.2
Sample Wt/Vol:	7.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023118.D	1	08/15/25 11:54	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	52.9
Sample Wt/Vol:	8.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023119.D	1	08/15/25 12:18	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	4.70	U	1.30	4.70	5.80	ug/Kg
74-87-3	Chloromethane	2.90	U	1.30	2.90	5.80	ug/Kg
75-01-4	Vinyl Chloride	2.90	U	0.92	2.90	5.80	ug/Kg
74-83-9	Bromomethane	4.70	U	1.30	4.70	5.80	ug/Kg
75-00-3	Chloroethane	2.90	U	1.50	2.90	5.80	ug/Kg
75-69-4	Trichlorofluoromethane	4.70	U	1.40	4.70	5.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.90	U	1.20	2.90	5.80	ug/Kg
75-35-4	1,1-Dichloroethene	2.90	U	1.20	2.90	5.80	ug/Kg
67-64-1	Acetone	18.1	J	5.50	23.4	29.2	ug/Kg
75-15-0	Carbon Disulfide	4.70	J	1.20	4.70	5.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.90	U	0.85	2.90	5.80	ug/Kg
79-20-9	Methyl Acetate	4.70	U	1.80	4.70	5.80	ug/Kg
75-09-2	Methylene Chloride	9.40	U	4.10	9.40	11.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.90	U	1.00	2.90	5.80	ug/Kg
75-34-3	1,1-Dichloroethane	2.90	U	0.94	2.90	5.80	ug/Kg
110-82-7	Cyclohexane	2.90	U	0.92	2.90	5.80	ug/Kg
78-93-3	2-Butanone	23.4	U	7.70	23.4	29.2	ug/Kg
56-23-5	Carbon Tetrachloride	2.90	U	1.10	2.90	5.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.90	U	0.88	2.90	5.80	ug/Kg
74-97-5	Bromochloromethane	4.70	U	1.30	4.70	5.80	ug/Kg
67-66-3	Chloroform	4.70	U	0.98	4.70	5.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.90	U	1.10	2.90	5.80	ug/Kg
108-87-2	Methylcyclohexane	2.90	U	1.10	2.90	5.80	ug/Kg
71-43-2	Benzene	2.90	U	0.92	2.90	5.80	ug/Kg
107-06-2	1,2-Dichloroethane	2.90	U	0.92	2.90	5.80	ug/Kg
79-01-6	Trichloroethene	2.90	U	0.95	2.90	5.80	ug/Kg
78-87-5	1,2-Dichloropropane	2.90	U	1.10	2.90	5.80	ug/Kg
75-27-4	Bromodichloromethane	2.90	U	0.91	2.90	5.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14.6	U	4.20	14.6	29.2	ug/Kg
108-88-3	Toluene	2.90	U	0.91	2.90	5.80	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	52.9
Sample Wt/Vol:	8.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023119.D	1	08/15/25 12:18	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.90	U	0.76	2.90	5.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.90	U	0.73	2.90	5.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.90	U	1.10	2.90	5.80	ug/Kg
591-78-6	2-Hexanone	14.6	U	4.30	14.6	29.2	ug/Kg
124-48-1	Dibromochloromethane	2.90	U	1.00	2.90	5.80	ug/Kg
106-93-4	1,2-Dibromoethane	2.90	U	1.00	2.90	5.80	ug/Kg
127-18-4	Tetrachloroethene	2.90	U	1.20	2.90	5.80	ug/Kg
108-90-7	Chlorobenzene	2.90	U	1.10	2.90	5.80	ug/Kg
100-41-4	Ethyl Benzene	2.90	U	0.78	2.90	5.80	ug/Kg
179601-23-1	m/p-Xylenes	5.80	U	1.50	5.80	11.7	ug/Kg
95-47-6	o-Xylene	2.90	U	0.96	2.90	5.80	ug/Kg
100-42-5	Styrene	2.90	U	0.83	2.90	5.80	ug/Kg
75-25-2	Bromoform	2.90	U	1.00	2.90	5.80	ug/Kg
98-82-8	Isopropylbenzene	2.90	U	0.91	2.90	5.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.90	U	1.40	2.90	5.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.90	U	2.00	2.90	5.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.90	U	1.80	2.90	5.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.90	U	1.70	2.90	5.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.70	U	2.20	4.70	5.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.70	U	3.50	4.70	5.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.70	U	3.70	4.70	5.80	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	60.8		71 - 136		122%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		78 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.5		85 - 116		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.6		79 - 119		85%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	565000	7.707				
540-36-3	1,4-Difluorobenzene	1080000	8.616				
3114-55-4	Chlorobenzene-d5	920000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	312000	13.34				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	52.9
Sample Wt/Vol:	8.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023119.D	1	08/15/25 12:18	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	34
Sample Wt/Vol:	4.45 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023143.D	1	08/19/25 12:07	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	13.2	U	3.80	13.2	16.5	ug/Kg
74-87-3	Chloromethane	8.30	U	3.80	8.30	16.5	ug/Kg
75-01-4	Vinyl Chloride	8.30	U	2.60	8.30	16.5	ug/Kg
74-83-9	Bromomethane	13.2	U	3.50	13.2	16.5	ug/Kg
75-00-3	Chloroethane	8.30	U	4.20	8.30	16.5	ug/Kg
75-69-4	Trichlorofluoromethane	13.2	U	4.00	13.2	16.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	8.30	U	3.50	8.30	16.5	ug/Kg
75-35-4	1,1-Dichloroethene	8.30	U	3.30	8.30	16.5	ug/Kg
67-64-1	Acetone	66.1	U	15.7	66.1	82.6	ug/Kg
75-15-0	Carbon Disulfide	13.2	U	3.50	13.2	16.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	8.30	U	2.40	8.30	16.5	ug/Kg
79-20-9	Methyl Acetate	13.2	U	5.10	13.2	16.5	ug/Kg
75-09-2	Methylene Chloride	26.4	U	11.7	26.4	33.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	8.30	U	2.80	8.30	16.5	ug/Kg
75-34-3	1,1-Dichloroethane	8.30	U	2.60	8.30	16.5	ug/Kg
110-82-7	Cyclohexane	8.30	U	2.60	8.30	16.5	ug/Kg
78-93-3	2-Butanone	66.1	U	21.6	66.1	82.6	ug/Kg
56-23-5	Carbon Tetrachloride	8.30	U	3.20	8.30	16.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	8.30	U	2.50	8.30	16.5	ug/Kg
74-97-5	Bromochloromethane	13.2	U	3.80	13.2	16.5	ug/Kg
67-66-3	Chloroform	13.2	U	2.80	13.2	16.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	8.30	U	3.10	8.30	16.5	ug/Kg
108-87-2	Methylcyclohexane	8.30	U	3.00	8.30	16.5	ug/Kg
71-43-2	Benzene	8.30	U	2.60	8.30	16.5	ug/Kg
107-06-2	1,2-Dichloroethane	8.30	U	2.60	8.30	16.5	ug/Kg
79-01-6	Trichloroethene	8.30	U	2.70	8.30	16.5	ug/Kg
78-87-5	1,2-Dichloropropane	8.30	U	3.00	8.30	16.5	ug/Kg
75-27-4	Bromodichloromethane	8.30	U	2.60	8.30	16.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	41.3	U	11.8	41.3	82.6	ug/Kg
108-88-3	Toluene	8.30	U	2.60	8.30	16.5	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	34
Sample Wt/Vol:	4.45 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023143.D	1	08/19/25 12:07	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	8.30	U	2.10	8.30	16.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	8.30	U	2.00	8.30	16.5	ug/Kg
79-00-5	1,1,2-Trichloroethane	8.30	U	3.00	8.30	16.5	ug/Kg
591-78-6	2-Hexanone	41.3	U	12.2	41.3	82.6	ug/Kg
124-48-1	Dibromochloromethane	8.30	U	2.90	8.30	16.5	ug/Kg
106-93-4	1,2-Dibromoethane	8.30	U	2.90	8.30	16.5	ug/Kg
127-18-4	Tetrachloroethene	8.30	U	3.50	8.30	16.5	ug/Kg
108-90-7	Chlorobenzene	8.30	U	3.00	8.30	16.5	ug/Kg
100-41-4	Ethyl Benzene	8.30	U	2.20	8.30	16.5	ug/Kg
179601-23-1	m/p-Xylenes	16.5	U	4.10	16.5	33.0	ug/Kg
95-47-6	o-Xylene	8.30	U	2.70	8.30	16.5	ug/Kg
100-42-5	Styrene	8.30	U	2.30	8.30	16.5	ug/Kg
75-25-2	Bromoform	8.30	U	2.80	8.30	16.5	ug/Kg
98-82-8	Isopropylbenzene	8.30	U	2.60	8.30	16.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	8.30	U	4.00	8.30	16.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	8.30	U	5.70	8.30	16.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	8.30	U	5.20	8.30	16.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	8.30	U	4.80	8.30	16.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	13.2	U	6.10	13.2	16.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	13.2	U	9.80	13.2	16.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	13.2	U	10.5	13.2	16.5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.1		71 - 136		114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		78 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	50.8		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.4		79 - 119		83%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	606000	7.707				
540-36-3	1,4-Difluorobenzene	1110000	8.616				
3114-55-4	Chlorobenzene-d5	926000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	307000	13.347				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	34
Sample Wt/Vol:	4.45 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023143.D	1	08/19/25 12:07	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	5.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023122.D	1	08/15/25 13:28	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.80	U	1.10	3.80	4.70	ug/Kg
74-87-3	Chloromethane	2.30	U	1.10	2.30	4.70	ug/Kg
75-01-4	Vinyl Chloride	2.30	U	0.74	2.30	4.70	ug/Kg
74-83-9	Bromomethane	3.80	U	1.00	3.80	4.70	ug/Kg
75-00-3	Chloroethane	2.30	U	1.20	2.30	4.70	ug/Kg
75-69-4	Trichlorofluoromethane	3.80	U	1.10	3.80	4.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.30	U	0.99	2.30	4.70	ug/Kg
75-35-4	1,1-Dichloroethene	2.30	U	0.94	2.30	4.70	ug/Kg
67-64-1	Acetone	8.00	J	4.40	18.8	23.4	ug/Kg
75-15-0	Carbon Disulfide	2.60	J	0.99	3.80	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.30	U	0.68	2.30	4.70	ug/Kg
79-20-9	Methyl Acetate	3.80	U	1.40	3.80	4.70	ug/Kg
75-09-2	Methylene Chloride	7.50	U	3.30	7.50	9.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.30	U	0.81	2.30	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	2.30	U	0.75	2.30	4.70	ug/Kg
110-82-7	Cyclohexane	2.30	U	0.74	2.30	4.70	ug/Kg
78-93-3	2-Butanone	18.8	U	6.10	18.8	23.4	ug/Kg
56-23-5	Carbon Tetrachloride	2.30	U	0.91	2.30	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.30	U	0.70	2.30	4.70	ug/Kg
74-97-5	Bromochloromethane	3.80	U	1.10	3.80	4.70	ug/Kg
67-66-3	Chloroform	3.80	U	0.79	3.80	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.30	U	0.87	2.30	4.70	ug/Kg
108-87-2	Methylcyclohexane	2.30	U	0.85	2.30	4.70	ug/Kg
71-43-2	Benzene	2.30	U	0.74	2.30	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	2.30	U	0.74	2.30	4.70	ug/Kg
79-01-6	Trichloroethene	2.30	U	0.76	2.30	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	2.30	U	0.85	2.30	4.70	ug/Kg
75-27-4	Bromodichloromethane	2.30	U	0.73	2.30	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	11.7	U	3.40	11.7	23.4	ug/Kg
108-88-3	Toluene	2.30	U	0.73	2.30	4.70	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	5.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023122.D	1	08/15/25 13:28	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.30	U	0.61	2.30	4.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.30	U	0.58	2.30	4.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.30	U	0.86	2.30	4.70	ug/Kg
591-78-6	2-Hexanone	11.7	U	3.50	11.7	23.4	ug/Kg
124-48-1	Dibromochloromethane	2.30	U	0.82	2.30	4.70	ug/Kg
106-93-4	1,2-Dibromoethane	2.30	U	0.83	2.30	4.70	ug/Kg
127-18-4	Tetrachloroethene	2.30	U	0.98	2.30	4.70	ug/Kg
108-90-7	Chlorobenzene	2.30	U	0.85	2.30	4.70	ug/Kg
100-41-4	Ethyl Benzene	2.30	U	0.63	2.30	4.70	ug/Kg
179601-23-1	m/p-Xylenes	4.70	U	1.20	4.70	9.40	ug/Kg
95-47-6	o-Xylene	2.30	U	0.77	2.30	4.70	ug/Kg
100-42-5	Styrene	2.30	U	0.67	2.30	4.70	ug/Kg
75-25-2	Bromoform	2.30	U	0.81	2.30	4.70	ug/Kg
98-82-8	Isopropylbenzene	2.30	U	0.73	2.30	4.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.30	U	1.10	2.30	4.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.30	U	1.60	2.30	4.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.30	U	1.50	2.30	4.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.30	U	1.40	2.30	4.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.80	U	1.70	3.80	4.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.80	U	2.80	3.80	4.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.80	U	3.00	3.80	4.70	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.7		71 - 136		111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		78 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	51.0		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		79 - 119		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	540000	7.707				
540-36-3	1,4-Difluorobenzene	1020000	8.609				
3114-55-4	Chlorobenzene-d5	889000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	377000	13.34				
TENTATIVE IDENTIFIED COMPOUNDS							

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	5.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023122.D	1	08/15/25 13:28	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
000091-17-8	Naphthalene, decahydro-	91.7	J			13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	150	J			14.2	ug/Kg
002958-75-0	1-Methyldecahydronaphthalene	91.3	J			14.3	ug/Kg
000112-40-3	Dodecane	64.1	J			14.5	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	250	J			14.6	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	310	J			15.1	ug/Kg
000629-50-5	Tridecane	100	J			15.3	ug/Kg
	unknown15.505	150	J			15.5	ug/Kg
003891-98-3	Dodecane, 2,6,10-trimethyl-	100	J			16.0	ug/Kg
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	120	J			16.6	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

LAB CHRONICLE

OrderID:	Q2820	OrderDate:	8/11/2025 12:29:00 PM
Client:	First Environment, Inc.	Project:	USACE018-44 DOD
Contact:	Al Smith	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2820-01	82H-S	SOIL	VOC-TCLVOA-10	8260D	08/06/25		08/19/25	08/08/25
Q2820-02	82H-W	SOIL	VOC-TCLVOA-10	8260D	08/06/25		08/14/25	08/08/25
Q2820-03	82H-N	SOIL	VOC-TCLVOA-10	8260D	08/06/25		08/14/25	08/08/25
Q2820-04	SOIL-DUP-1	SOIL	VOC-TCLVOA-10	8260D	08/06/25		08/14/25	08/08/25
Q2820-05	518R-E	SOIL	VOC-TCLVOA-10	8260D	08/07/25		08/14/25	08/08/25
Q2820-06	518R-N	SOIL	VOC-TCLVOA-10	8260D	08/07/25		08/14/25	08/08/25
Q2820-07	518R-S	SOIL	VOC-TCLVOA-10	8260D	08/07/25		08/14/25	08/08/25
Q2820-08	518R-W	SOIL	VOC-TCLVOA-10	8260D	08/07/25		08/14/25	08/08/25
Q2820-09	705R-S	SOIL	VOC-TCLVOA-10	8260D	08/07/25		08/14/25	08/08/25
Q2820-10	SOIL-DUP-2	SOIL	VOC-TCLVOA-10	8260D	08/07/25		08/14/25	08/08/25
Q2820-11	10PC-W	SOIL	VOC-TCLVOA-10	8260D	08/07/25		08/14/25	08/08/25
Q2820-12	10PC-S	SOIL			08/07/25			08/08/25

LAB CHRONICLE

			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-13	10P-W	SOIL			08/07/25		08/08/25
			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-14	10P-E	SOIL			08/07/25		08/08/25
			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-15	10P-S	SOIL			08/07/25		08/08/25
			VOC-TCLVOA-10	8260D		08/19/25	
Q2820-16	10P-N	SOIL			08/07/25		08/08/25
			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-17	88H-E	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-18	88H-N	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-19	88H-W	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-20	88H-S	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-21	22M-N	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/15/25	
Q2820-22	22M-W	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/15/25	
Q2820-23	22M-E	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/19/25	
Q2820-24	22M-S	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/15/25	

Hit Summary Sheet SW-846

SDG No.: Q2820

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : 82H-S									
Q2820-01	82H-S	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	180.000	AB	0		0	ug/Kg
Q2820-01	82H-S	SOIL	9-Tricosene, (Z)- *	220.000	J	0		0	ug/Kg
Q2820-01	82H-S	SOIL	Benzophenone *	180.000	J	0		0	ug/Kg
Q2820-01	82H-S	SOIL	Butane, 2-methoxy-2-methyl- *	800.000	J	0		0	ug/Kg
Q2820-01	82H-S	SOIL	n-Hexadecanoic acid *	350.000	J	0		0	ug/Kg
Total Tics :				1,730.00					
Total Concentration:				1,730.00					
Client ID : 82H-W									
Q2820-02	82H-W	SOIL	1-Hexacosene *	220.000	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	200.000	AB	0		0	ug/Kg
Q2820-02	82H-W	SOIL	3,5-Dimethoxy-4-hydroxycinnam: *	82.900	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	Benzophenone *	190.000	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	Butane, 2-methoxy-2-methyl- *	890.000	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	n-Hexadecanoic acid *	920.000	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	Octadecanoic acid *	230.000	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	trans-Sinapyl alcohol *	170.000	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	unknown16.354 *	120.000	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	unknown16.619 *	110.000	J	0		0	ug/Kg
Total Tics :				3,132.90					
Total Concentration:				3,132.90					
Client ID : 82H-N									
Q2820-03	82H-N	SOIL	Fluoranthene	110.000	J	34.3	150	190	ug/Kg
Q2820-03	82H-N	SOIL	Pyrene	87.500	J	41.1	150	190	ug/Kg
Total Svoc :				197.50					
Q2820-03	82H-N	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	190.000	AB	0		0	ug/Kg
Q2820-03	82H-N	SOIL	Benzophenone *	150.000	J	0		0	ug/Kg
Q2820-03	82H-N	SOIL	Butane, 2-methoxy-2-methyl- *	970.000	J	0		0	ug/Kg
Q2820-03	82H-N	SOIL	Heptacosyl acetate *	200.000	J	0		0	ug/Kg
Q2820-03	82H-N	SOIL	Iron pentacarbonyl *	170.000	J	0		0	ug/Kg
Q2820-03	82H-N	SOIL	n-Hexadecanoic acid *	350.000	J	0		0	ug/Kg
Q2820-03	82H-N	SOIL	Octadecanoic acid *	77.000	J	0		0	ug/Kg
Total Tics :				2,107.00					
Total Concentration:				2,304.50					
Client ID : SOIL-DUP-1									
Q2820-04	SOIL-DUP-1	SOIL	1-Heneicosanol *	190.000	J	0		0	ug/Kg
Q2820-04	SOIL-DUP-1	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	200.000	AB	0		0	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q2820
Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units	
Q2820-04	SOIL-DUP-1	SOIL	Benzophenone	*	93.100	J	0	0	ug/Kg	
Q2820-04	SOIL-DUP-1	SOIL	Butane, 2-methoxy-2-methyl-	*	780.000	J	0	0	ug/Kg	
Q2820-04	SOIL-DUP-1	SOIL	n-Hexadecanoic acid	*	270.000	J	0	0	ug/Kg	
Total Tics :				1,533.10						
Total Concentration:				1,533.10						
Client ID : 518R-E										
Q2820-05	518R-E	SOIL	1-Heneicosanol	*	490.000	J	0	0	ug/Kg	
Q2820-05	518R-E	SOIL	1-Hexacosene	*	230.000	J	0	0	ug/Kg	
Q2820-05	518R-E	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	540.000	AB	0	0	ug/Kg	
Q2820-05	518R-E	SOIL	Benzophenone	*	290.000	J	0	0	ug/Kg	
Q2820-05	518R-E	SOIL	Butane, 2-methoxy-2-methyl-	*	2,300.000	J	0	0	ug/Kg	
Q2820-05	518R-E	SOIL	n-Hexadecanoic acid	*	650.000	J	0	0	ug/Kg	
Q2820-05	518R-E	SOIL	Octadecanoic acid	*	150.000	J	0	0	ug/Kg	
Q2820-05	518R-E	SOIL	Benzoic acid	*	470.000	J	390	670	ug/Kg	
Total Tics :				5,120.00						
Total Concentration:				5,120.00						
Client ID : 518R-N										
Q2820-06	518R-N	SOIL	Bis(2-ethylhexyl)phthalate		92.500	J	76.3	170	220	ug/Kg
Total Svoc :				92.50						
Q2820-06	518R-N	SOIL	Benzoic acid	*	290.000	J	240	430	ug/Kg	
Total Tics :				290.00						
Total Concentration:				382.50						
Client ID : 518R-S										
Q2820-07	518R-S	SOIL	Fluoranthene		310.000		38.1	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Pyrene		300.000		45.7	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Benzo(a)anthracene		180.000	J	29.2	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Chrysene		170.000	J	25.3	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Benzo(b)fluoranthene		240.000		24.1	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Benzo(k)fluoranthene		88.000	J	28.5	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Benzo(a)pyrene		180.000	J	37.5	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Indeno(1,2,3-cd)pyrene		110.000	J	37	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Benzo(g,h,i)perylene		130.000	J	32.7	170	220	ug/Kg
Total Svoc :				1,708.00						
Q2820-07	518R-S	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	AB	0	0	ug/Kg	
Q2820-07	518R-S	SOIL	Benzophenone	*	180.000	J	0	0	ug/Kg	
Q2820-07	518R-S	SOIL	Butane, 2-methoxy-2-methyl-	*	760.000	J	0	0	ug/Kg	
Q2820-07	518R-S	SOIL	n-Hexadecanoic acid	*	660.000	J	0	0	ug/Kg	
Q2820-07	518R-S	SOIL	Octadecanoic acid	*	150.000	J	0	0	ug/Kg	
Q2820-07	518R-S	SOIL	Pentafluoropropionic acid, pentad	*	220.000	J	0	0	ug/Kg	

Hit Summary Sheet

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SDG No.: Q2820
Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Tics :	2,180.00					
			Total Concentration:	3,888.00					
Client ID :	518R-SRE								
Q2820-07RE	518R-SRE	SOIL	Fluoranthene	280.000		38.1	170	220	ug/Kg
Q2820-07RE	518R-SRE	SOIL	Pyrene	280.000		45.7	170	220	ug/Kg
Q2820-07RE	518R-SRE	SOIL	Benzo(a)anthracene	180.000	J	29.2	170	220	ug/Kg
Q2820-07RE	518R-SRE	SOIL	Chrysene	160.000	J	25.3	170	220	ug/Kg
Q2820-07RE	518R-SRE	SOIL	Benzo(b)fluoranthene	240.000		24.1	170	220	ug/Kg
Q2820-07RE	518R-SRE	SOIL	Benzo(a)pyrene	180.000	J	37.5	170	220	ug/Kg
Q2820-07RE	518R-SRE	SOIL	Indeno(1,2,3-cd)pyrene	100.000	J	37	170	220	ug/Kg
Q2820-07RE	518R-SRE	SOIL	Benzo(g,h,i)perylene	130.000	J	32.7	170	220	ug/Kg
			Total Svoc :	1,550.00					
			Total Concentration:	1,550.00					
Client ID :	518R-W								
Q2820-08	518R-W	SOIL	1-Nonadecene	*	150.000	J	0	0	ug/Kg
Q2820-08	518R-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	310.000	AB	0	0	ug/Kg
Q2820-08	518R-W	SOIL	Benzophenone	*	150.000	J	0	0	ug/Kg
Q2820-08	518R-W	SOIL	Butane, 2-methoxy-2-methyl-	*	1,100.000	J	0	0	ug/Kg
Q2820-08	518R-W	SOIL	Heptacosyl acetate	*	400.000	J	0	0	ug/Kg
Q2820-08	518R-W	SOIL	n-Hexadecanoic acid	*	350.000	J	0	0	ug/Kg
Q2820-08	518R-W	SOIL	n-Nonadecanol-1	*	170.000	J	0	0	ug/Kg
Q2820-08	518R-W	SOIL	Benzoic acid	*	270.000	J	210	370	ug/Kg
			Total Tics :	2,900.00					
			Total Concentration:	2,900.00					
Client ID :	705R-S								
Q2820-09	705R-S	SOIL	1-Hexacosene	*	360.000	J	0	0	ug/Kg
Q2820-09	705R-S	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	310.000	AB	0	0	ug/Kg
Q2820-09	705R-S	SOIL	Benzophenone	*	220.000	J	0	0	ug/Kg
Q2820-09	705R-S	SOIL	Butane, 2-methoxy-2-methyl-	*	1,400.000	J	0	0	ug/Kg
Q2820-09	705R-S	SOIL	n-Hexadecanoic acid	*	330.000	J	0	0	ug/Kg
			Total Tics :	2,620.00					
			Total Concentration:	2,620.00					
Client ID :	SOIL-DUP-2								
Q2820-10	SOIL-DUP-2	SOIL	1,19-Eicosadiene	*	570.000	J	0	0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	1,21-Docosadiene	*	570.000	J	0	0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	1-Hexacosene	*	240.000	J	0	0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	1-Tetracosene	*	680.000	J	0	0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	540.000	AB	0	0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	Benzophenone	*	490.000	J	0	0	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q2820
Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2820-10	SOIL-DUP-2	SOIL	Butane, 2-methoxy-2-methyl-	*	3,200.000	J	0	0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	Hexacosanal	*	210.000	J	0	0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	n-Hexadecanoic acid	*	1,000.000	J	0	0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	Octadecanoic acid	*	590.000	J	0	0	ug/Kg
Total Tics :				8,090.00					
Total Concentration:				8,090.00					
Client ID : 10PC-W									
Q2820-11	10PC-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	180.000	AB	0	0	ug/Kg
Q2820-11	10PC-W	SOIL	Benzophenone	*	270.000	J	0	0	ug/Kg
Q2820-11	10PC-W	SOIL	Butane, 2-methoxy-2-methyl-	*	940.000	J	0	0	ug/Kg
Q2820-11	10PC-W	SOIL	n-Hexadecanoic acid	*	200.000	J	0	0	ug/Kg
Q2820-11	10PC-W	SOIL	Pentafluoropropionic acid, octade	*	190.000	J	0	0	ug/Kg
Total Tics :				1,780.00					
Total Concentration:				1,780.00					
Client ID : 10PC-S									
Q2820-12	10PC-S	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	220.000	AB	0	0	ug/Kg
Q2820-12	10PC-S	SOIL	Benzophenone	*	240.000	J	0	0	ug/Kg
Q2820-12	10PC-S	SOIL	Butane, 2-methoxy-2-methyl-	*	1,300.000	J	0	0	ug/Kg
Q2820-12	10PC-S	SOIL	Heneicosane	*	79.600	J	0	0	ug/Kg
Total Tics :				1,839.60					
Total Concentration:				1,839.60					
Client ID : 10P-W									
Q2820-13	10P-W	SOIL	1-Octadecene	*	310.000	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	230.000	AB	0	0	ug/Kg
Q2820-13	10P-W	SOIL	9-Methylheneicosane	*	82.500	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	Benzophenone	*	320.000	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	Butane, 2-methoxy-2-methyl-	*	1,100.000	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	Cyclotetracosane	*	200.000	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	Heptadecane	*	82.200	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	Hexadecanoic acid, 2-methylpropy	*	160.000	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	Hexadecanoic acid, butyl ester	*	260.000	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	n-Hexadecanoic acid	*	270.000	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	Octadecanoic acid	*	86.900	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	Octadecanoic acid, 2-methylpropy	*	88.400	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	Octadecanoic acid, butyl ester	*	210.000	J	0	0	ug/Kg
Total Tics :				3,400.00					
Total Concentration:				3,400.00					
Client ID : 10P-E									
Q2820-14	10P-E	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	AB	0	0	ug/Kg

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SDG No.: Q2820
Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2820-14	10P-E	SOIL	Benzophenone	*	290.000	J	0	0	ug/Kg
Q2820-14	10P-E	SOIL	Butane, 2-methoxy-2-methyl-	*	1,200.000	J	0	0	ug/Kg
Q2820-14	10P-E	SOIL	Heptafluorobutyric acid, hexadecy	*	190.000	J	0	0	ug/Kg
Q2820-14	10P-E	SOIL	n-Hexadecanoic acid	*	210.000	J	0	0	ug/Kg
Total Tics :				2,100.00					
Total Concentration:				2,100.00					

Client ID : 10P-S

Q2820-15	10P-S	SOIL	Butane, 2-methoxy-2-methyl-	*	440.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	cis-Vaccenic acid	*	4,200.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Decane, 2-methyl-	*	650.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Decane, 3,7-dimethyl-	*	470.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Decane, 3-methyl-	*	790.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Decane, 4-methyl-	*	490.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Decane, 5-methyl-	*	600.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Dehydroabietic acid	*	570.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Dodecane, 2,6,11-trimethyl-	*	450.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	n-Hexadecanoic acid	*	1,100.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Nonane, 2,5-dimethyl-	*	600.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Nonane, 3,7-dimethyl-	*	440.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Octadecanoic acid	*	1,300.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Sulfurous acid, cyclohexylmethyl	*	420.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Undecane	*	1,800.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Undecane, 2,6-dimethyl-	*	530.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Undecane, 2-methyl-	*	540.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Undecane, 4-methyl-	*	390.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Undecane, 5-methyl-	*	490.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	unknown9.137	*	550.000	J	0	0	ug/Kg
Total Tics :				16,820.00					
Total Concentration:				16,820.00					

Client ID : 10P-N

Q2820-16	10P-N	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	180.000	AB	0	0	ug/Kg
Q2820-16	10P-N	SOIL	Benzophenone	*	230.000	J	0	0	ug/Kg
Q2820-16	10P-N	SOIL	Butane, 2-methoxy-2-methyl-	*	980.000	J	0	0	ug/Kg
Q2820-16	10P-N	SOIL	Cyclohexadecane	*	90.000	J	0	0	ug/Kg
Q2820-16	10P-N	SOIL	n-Hexadecanoic acid	*	190.000	J	0	0	ug/Kg
Total Tics :				1,670.00					
Total Concentration:				1,670.00					

Client ID : 88H-E

Q2820-17	88H-E	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	260.000	AB	0	0	ug/Kg
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Hit Summary Sheet
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SDG No.: Q2820
Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2820-17	88H-E	SOIL	5-Eicosene, (E)-	*	170.000	J	0	0	ug/Kg
Q2820-17	88H-E	SOIL	Benzophenone	*	260.000	J	0	0	ug/Kg
Q2820-17	88H-E	SOIL	Butane, 2-methoxy-2-methyl-	*	1,400.000	J	0	0	ug/Kg
Q2820-17	88H-E	SOIL	n-Hexadecanoic acid	*	180.000	J	0	0	ug/Kg
Total Tics :				2,270.00					
Total Concentration:				2,270.00					
Client ID : 88H-N									
Q2820-18	88H-N	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	200.000	AB	0	0	ug/Kg
Q2820-18	88H-N	SOIL	Benzophenone	*	270.000	J	0	0	ug/Kg
Q2820-18	88H-N	SOIL	Butane, 2-methoxy-2-methyl-	*	1,300.000	J	0	0	ug/Kg
Q2820-18	88H-N	SOIL	n-Hexadecanoic acid	*	150.000	J	0	0	ug/Kg
Q2820-18	88H-N	SOIL	Pentadecafluorooctanoic acid, hex	*	150.000	J	0	0	ug/Kg
Total Tics :				2,070.00					
Total Concentration:				2,070.00					
Client ID : 88H-W									
Q2820-19	88H-W	SOIL	1-Tetracosene	*	140.000	J	0	0	ug/Kg
Q2820-19	88H-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	180.000	AB	0	0	ug/Kg
Q2820-19	88H-W	SOIL	Benzophenone	*	210.000	J	0	0	ug/Kg
Q2820-19	88H-W	SOIL	Butane, 2-methoxy-2-methyl-	*	990.000	J	0	0	ug/Kg
Q2820-19	88H-W	SOIL	n-Hexadecanoic acid	*	96.800	J	0	0	ug/Kg
Total Tics :				1,616.80					
Total Concentration:				1,616.80					
Client ID : 88H-S									
Q2820-20	88H-S	SOIL	17-Pentatriacontene	*	120.000	J	0	0	ug/Kg
Q2820-20	88H-S	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	130.000	AB	0	0	ug/Kg
Q2820-20	88H-S	SOIL	Benzophenone	*	190.000	J	0	0	ug/Kg
Q2820-20	88H-S	SOIL	Butane, 2-methoxy-2-methyl-	*	770.000	J	0	0	ug/Kg
Q2820-20	88H-S	SOIL	n-Hexadecanoic acid	*	96.800	J	0	0	ug/Kg
Total Tics :				1,306.80					
Total Concentration:				1,306.80					
Client ID : 22M-N									
Q2820-21	22M-N	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	150.000	AB	0	0	ug/Kg
Q2820-21	22M-N	SOIL	Benzophenone	*	190.000	J	0	0	ug/Kg
Q2820-21	22M-N	SOIL	Butane, 2-methoxy-2-methyl-	*	910.000	J	0	0	ug/Kg
Q2820-21	22M-N	SOIL	n-Hexadecanoic acid	*	99.300	J	0	0	ug/Kg
Q2820-21	22M-N	SOIL	Pentadecafluorooctanoic acid, oct:	*	120.000	J	0	0	ug/Kg
Total Tics :				1,469.30					
Total Concentration:				1,469.30					

Hit Summary Sheet SW-846

SDG No.: Q2820
Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units	
Client ID :	22M-W									
Q2820-22	22M-W	SOIL	1-Hexacosene	*	360.000	J	0	0	ug/Kg	
Q2820-22	22M-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	290.000	AB	0	0	ug/Kg	
Q2820-22	22M-W	SOIL	Benzophenone	*	410.000	J	0	0	ug/Kg	
Q2820-22	22M-W	SOIL	Butane, 2-methoxy-2-methyl-	*	2,000.000	J	0	0	ug/Kg	
Q2820-22	22M-W	SOIL	n-Hexadecanoic acid	*	210.000	J	0	0	ug/Kg	
Total Tics :				3,270.00						
Total Concentration:				3,270.00						
Client ID :	22M-E									
Q2820-23	22M-E	SOIL	1-Heneicosyl formate	*	770.000	J	0	0	ug/Kg	
Q2820-23	22M-E	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	470.000	AB	0	0	ug/Kg	
Q2820-23	22M-E	SOIL	Benzophenone	*	710.000	J	0	0	ug/Kg	
Q2820-23	22M-E	SOIL	Butane, 2-methoxy-2-methyl-	*	3,000.000	J	0	0	ug/Kg	
Q2820-23	22M-E	SOIL	Docosane	*	200.000	J	0	0	ug/Kg	
Q2820-23	22M-E	SOIL	Hexadecanoic acid, 2-methylpropyl	*	440.000	JB	0	0	ug/Kg	
Q2820-23	22M-E	SOIL	Hexadecanoic acid, butyl ester	*	560.000	JB	0	0	ug/Kg	
Q2820-23	22M-E	SOIL	n-Hexadecanoic acid	*	640.000	J	0	0	ug/Kg	
Q2820-23	22M-E	SOIL	Octadecane	*	300.000	J	0	0	ug/Kg	
Q2820-23	22M-E	SOIL	Octadecanoic acid, 2-methylpropyl	*	230.000	J	0	0	ug/Kg	
Q2820-23	22M-E	SOIL	Octadecanoic acid, butyl ester	*	460.000	JB	0	0	ug/Kg	
Total Tics :				7,780.00						
Total Concentration:				7,780.00						
Client ID :	22M-S									
Q2820-24	22M-S	SOIL	Pyrene		110.000	J	40.4	150	190	ug/Kg
Total Svoc :				110.00						
Q2820-24	22M-S	SOIL	7-Hexadecene, (Z)-	*	750.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Butane, 2-methoxy-2-methyl-	*	620.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Carbonic acid, decyl prop-1-en-2-	*	530.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Decane, 2,6,7-trimethyl-	*	1,700.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Decane, 2-methyl-	*	3,600.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Heptadecane	*	3,200.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Heptadecane, 4-methyl-	*	1,500.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Methoxyacetic acid, 2-tetradecyl ester	*	2,800.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Naphthalene, 2,3,6-trimethyl-	*	950.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Phenanthrene, 2,5-dimethyl-	*	550.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Phenanthrene, 3,6-dimethyl-	*	750.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Sulfurous acid, pentyl undecyl ester	*	5,900.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Tetratetracontane	*	520.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Tridecane	*	480.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Tridecane, 2-methyl-	*	660.000	J	0	0	ug/Kg	

Hit Summary Sheet SW-846

SDG No.: Q2820
Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2820-24	22M-S	SOIL	Tridecane, 3-methyl-	*	920.000	J	0	0	ug/Kg
Q2820-24	22M-S	SOIL	Tridecane, 4-methyl-	*	5,500.000	J	0	0	ug/Kg
Q2820-24	22M-S	SOIL	Undecane, 2,6-dimethyl-	*	630.000	J	0	0	ug/Kg
Q2820-24	22M-S	SOIL	unknown8.504	*	670.000	J	0	0	ug/Kg
Q2820-24	22M-S	SOIL	unknown9.375	*	3,900.000	J	0	0	ug/Kg
Total Tics :					36,130.00				
Total Concentration:					36,240.00				



SAMPLE DATA

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025386.D	1	08/12/25 09:15	08/13/25 16:09	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	330	U	190	330	400	ug/Kg
108-95-2	Phenol	160	U	26.8	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	29.4	160	210	ug/Kg
95-57-8	2-Chlorophenol	160	U	29.6	160	210	ug/Kg
95-48-7	2-Methylphenol	160	U	36.2	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	45.4	160	210	ug/Kg
98-86-2	Acetophenone	160	U	35.7	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	330	U	49.8	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	96.9	U	57.4	96.9	96.9	ug/Kg
67-72-1	Hexachloroethane	160	U	21.3	160	210	ug/Kg
98-95-3	Nitrobenzene	160	U	22.2	160	210	ug/Kg
78-59-1	Isophorone	160	U	39.7	160	210	ug/Kg
88-75-5	2-Nitrophenol	160	U	70.5	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	78.5	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	37.3	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	34.3	160	210	ug/Kg
91-20-3	Naphthalene	160	U	27.5	160	210	ug/Kg
106-47-8	4-Chloroaniline	160	U	42.9	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	30.7	160	210	ug/Kg
105-60-2	Caprolactam	330	U	63.1	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	34.8	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	31.0	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	U	140	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	U	24.0	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	35.3	160	210	ug/Kg
92-52-4	1,1-Biphenyl	160	U	26.4	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	27.3	160	210	ug/Kg
88-74-4	2-Nitroaniline	160	U	58.3	160	210	ug/Kg
131-11-3	Dimethylphthalate	160	U	32.8	160	210	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025386.D	1	08/12/25 09:15	08/13/25 16:09	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	160	U	35.0	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	40.7	160	210	ug/Kg
99-09-2	3-Nitroaniline	160	U	55.7	160	210	ug/Kg
83-32-9	Acenaphthene	160	U	25.8	160	210	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	280	330	400	ug/Kg
100-02-7	4-Nitrophenol	330	U	130	330	400	ug/Kg
132-64-9	Dibenzofuran	160	U	27.5	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	U	60.7	160	210	ug/Kg
84-66-2	Diethylphthalate	160	U	34.3	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	32.4	160	210	ug/Kg
86-73-7	Fluorene	160	U	30.7	160	210	ug/Kg
100-01-6	4-Nitroaniline	160	U	77.8	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	330	U	120	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	39.9	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	33.7	160	210	ug/Kg
118-74-1	Hexachlorobenzene	160	U	30.7	160	210	ug/Kg
1912-24-9	Atrazine	160	U	41.2	160	210	ug/Kg
87-86-5	Pentachlorophenol	330	U	62.2	330	400	ug/Kg
85-01-8	Phenanthrene	160	U	25.3	160	210	ug/Kg
120-12-7	Anthracene	160	U	40.4	160	210	ug/Kg
86-74-8	Carbazole	160	U	37.8	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	58.0	160	210	ug/Kg
206-44-0	Fluoranthene	160	U	36.4	160	210	ug/Kg
129-00-0	Pyrene	160	U	43.6	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	86.5	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	44.5	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	27.9	160	210	ug/Kg
218-01-9	Chrysene	160	U	24.1	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	71.7	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	330	U	110	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	23.0	160	210	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025386.D	1	08/12/25 09:15	08/13/25 16:09	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	160	U	27.1	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	35.7	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	35.3	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	33.2	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	31.1	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	31.0	160	210	ug/Kg
123-91-1	1,4-Dioxane	160	U	54.8	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	33.2	160	210	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	67.2		35 - 115		45%	SPK: 150
13127-88-3	Phenol-d6	62.0		34 - 127		41%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.7		37 - 122		47%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.7	*	44 - 115		43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	89.8		39 - 132		60%	SPK: 150
1718-51-0	Terphenyl-d14	41.9	*	54 - 127		42%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	189000	7.796
1146-65-2	Naphthalene-d8	738000	10.566
15067-26-2	Acenaphthene-d10	464000	14.425
1517-22-2	Phenanthrene-d10	911000	17.225
1719-03-5	Chrysene-d12	1040000	21.677
1520-96-3	Perylene-d12	1180000	25.06

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	800	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	AB		4.95	ug/Kg
000119-61-9	Benzophenone	180	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	350	J		18.2	ug/Kg
027519-02-4	9-Tricosene, (Z)-	220	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	1.0	GPC Cleanup :
		N	PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025386.D	1	08/12/25 09:15	08/13/25 16:09	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-01RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025433.D	1	08/12/25 09:15	08/15/25 18:58	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	330	U	190	330	400	ug/Kg
108-95-2	Phenol	160	U	26.8	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	29.4	160	210	ug/Kg
95-57-8	2-Chlorophenol	160	U	29.6	160	210	ug/Kg
95-48-7	2-Methylphenol	160	U	36.2	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	45.4	160	210	ug/Kg
98-86-2	Acetophenone	160	U	35.7	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	330	U	49.8	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	96.9	U	57.4	96.9	96.9	ug/Kg
67-72-1	Hexachloroethane	160	U	21.3	160	210	ug/Kg
98-95-3	Nitrobenzene	160	U	22.2	160	210	ug/Kg
78-59-1	Isophorone	160	U	39.7	160	210	ug/Kg
88-75-5	2-Nitrophenol	160	U	70.5	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	78.5	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	37.3	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	34.3	160	210	ug/Kg
91-20-3	Naphthalene	160	U	27.5	160	210	ug/Kg
106-47-8	4-Chloroaniline	160	U	42.9	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	30.7	160	210	ug/Kg
105-60-2	Caprolactam	330	U	63.1	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	34.8	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	31.0	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	U	140	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	U	24.0	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	35.3	160	210	ug/Kg
92-52-4	1,1-Biphenyl	160	U	26.4	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	27.3	160	210	ug/Kg
88-74-4	2-Nitroaniline	160	U	58.3	160	210	ug/Kg
131-11-3	Dimethylphthalate	160	U	32.8	160	210	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-01RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025433.D	1	08/12/25 09:15	08/15/25 18:58	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	160	U	35.0	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	40.7	160	210	ug/Kg
99-09-2	3-Nitroaniline	160	U	55.7	160	210	ug/Kg
83-32-9	Acenaphthene	160	U	25.8	160	210	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	280	330	400	ug/Kg
100-02-7	4-Nitrophenol	330	U	130	330	400	ug/Kg
132-64-9	Dibenzofuran	160	U	27.5	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	U	60.7	160	210	ug/Kg
84-66-2	Diethylphthalate	160	U	34.3	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	32.4	160	210	ug/Kg
86-73-7	Fluorene	160	U	30.7	160	210	ug/Kg
100-01-6	4-Nitroaniline	160	U	77.8	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	330	U	120	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	39.9	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	33.7	160	210	ug/Kg
118-74-1	Hexachlorobenzene	160	U	30.7	160	210	ug/Kg
1912-24-9	Atrazine	160	U	41.2	160	210	ug/Kg
87-86-5	Pentachlorophenol	330	U	62.2	330	400	ug/Kg
85-01-8	Phenanthrene	160	U	25.3	160	210	ug/Kg
120-12-7	Anthracene	160	U	40.4	160	210	ug/Kg
86-74-8	Carbazole	160	U	37.8	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	58.0	160	210	ug/Kg
206-44-0	Fluoranthene	160	U	36.4	160	210	ug/Kg
129-00-0	Pyrene	160	U	43.6	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	86.5	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	44.5	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	27.9	160	210	ug/Kg
218-01-9	Chrysene	160	U	24.1	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	71.7	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	330	U	110	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	23.0	160	210	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-01RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025433.D	1	08/12/25 09:15	08/15/25 18:58	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	160	U	27.1	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	35.7	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	35.3	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	33.2	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	31.1	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	31.0	160	210	ug/Kg
123-91-1	1,4-Dioxane	160	U	54.8	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	33.2	160	210	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	71.8		35 - 115		48%	SPK: 150
13127-88-3	Phenol-d6	74.4		34 - 127		50%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.1		37 - 122		44%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.8	*	44 - 115		42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.7		39 - 132		46%	SPK: 150
1718-51-0	Terphenyl-d14	42.1	*	54 - 127		42%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	177000	7.79
1146-65-2	Naphthalene-d8	742000	10.555
15067-26-2	Acenaphthene-d10	489000	14.401
1517-22-2	Phenanthrene-d10	940000	17.201
1719-03-5	Chrysene-d12	937000	21.63
1520-96-3	Perylene-d12	1070000	24.989

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025380.D	1	08/12/25 09:15	08/13/25 11:59	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	320	U	190	320	390	ug/Kg
108-95-2	Phenol	160	U	26.4	160	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	29.1	160	200	ug/Kg
95-57-8	2-Chlorophenol	160	U	29.2	160	200	ug/Kg
95-48-7	2-Methylphenol	160	U	35.7	160	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	44.8	160	200	ug/Kg
98-86-2	Acetophenone	160	U	35.3	160	200	ug/Kg
65794-96-9	3+4-Methylphenols	320	U	49.1	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	95.6	U	56.7	95.6	95.6	ug/Kg
67-72-1	Hexachloroethane	160	U	21.0	160	200	ug/Kg
98-95-3	Nitrobenzene	160	U	21.9	160	200	ug/Kg
78-59-1	Isophorone	160	U	39.2	160	200	ug/Kg
88-75-5	2-Nitrophenol	160	U	69.6	160	200	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	77.5	160	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	36.8	160	200	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	33.8	160	200	ug/Kg
91-20-3	Naphthalene	160	U	27.1	160	200	ug/Kg
106-47-8	4-Chloroaniline	160	U	42.3	160	200	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	30.2	160	200	ug/Kg
105-60-2	Caprolactam	320	U	62.3	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	34.3	160	200	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	30.6	160	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	320	U	140	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	U	23.7	160	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	34.8	160	200	ug/Kg
92-52-4	1,1-Biphenyl	160	U	26.1	160	200	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	26.9	160	200	ug/Kg
88-74-4	2-Nitroaniline	160	U	57.5	160	200	ug/Kg
131-11-3	Dimethylphthalate	160	U	32.4	160	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025380.D	1	08/12/25 09:15	08/13/25 11:59	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	160	U	34.6	160	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	40.2	160	200	ug/Kg
99-09-2	3-Nitroaniline	160	U	55.0	160	200	ug/Kg
83-32-9	Acenaphthene	160	U	25.5	160	200	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	270	320	390	ug/Kg
100-02-7	4-Nitrophenol	320	U	130	320	390	ug/Kg
132-64-9	Dibenzofuran	160	U	27.1	160	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	U	59.9	160	200	ug/Kg
84-66-2	Diethylphthalate	160	U	33.8	160	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	31.9	160	200	ug/Kg
86-73-7	Fluorene	160	U	30.2	160	200	ug/Kg
100-01-6	4-Nitroaniline	160	U	76.8	160	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	320	U	120	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	39.3	160	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	33.2	160	200	ug/Kg
118-74-1	Hexachlorobenzene	160	U	30.2	160	200	ug/Kg
1912-24-9	Atrazine	160	U	40.7	160	200	ug/Kg
87-86-5	Pentachlorophenol	320	U	61.3	320	390	ug/Kg
85-01-8	Phenanthrene	160	U	25.0	160	200	ug/Kg
120-12-7	Anthracene	160	U	39.8	160	200	ug/Kg
86-74-8	Carbazole	160	U	37.3	160	200	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	57.3	160	200	ug/Kg
206-44-0	Fluoranthene	160	U	35.9	160	200	ug/Kg
129-00-0	Pyrene	160	U	43.0	160	200	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	85.4	160	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	43.9	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	27.5	160	200	ug/Kg
218-01-9	Chrysene	160	U	23.8	160	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	70.8	160	200	ug/Kg
117-84-0	Di-n-octyl phthalate	320	U	100	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	22.7	160	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025380.D	1	08/12/25 09:15	08/13/25 11:59	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	160	U	26.8	160	200	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	35.3	160	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	34.8	160	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	32.8	160	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	30.7	160	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	30.6	160	200	ug/Kg
123-91-1	1,4-Dioxane	160	U	54.0	160	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	32.8	160	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	77.3		35 - 115		52%	SPK: 150
13127-88-3	Phenol-d6	72.6		34 - 127		48%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.5		37 - 122		52%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.8		44 - 115		46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	106		39 - 132		70%	SPK: 150
1718-51-0	Terphenyl-d14	45.5	*	54 - 127		46%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	172000	7.802
1146-65-2	Naphthalene-d8	681000	10.572
15067-26-2	Acenaphthene-d10	418000	14.419
1517-22-2	Phenanthrene-d10	829000	17.225
1719-03-5	Chrysene-d12	902000	21.677
1520-96-3	Perylene-d12	1040000	25.071

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	890	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	200	AB		4.95	ug/Kg
000119-61-9	Benzophenone	190	J		15.8	ug/Kg
	unknown16.354	120	J		16.4	ug/Kg
	unknown16.619	110	J		16.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	920	J		18.2	ug/Kg
087345-53-7	3,5-Dimethoxy-4-hydroxycinnamaldehyde	82.9	J		18.4	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025380.D	1	08/12/25 09:15	08/13/25 11:59	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
020675-96-1	trans-Sinapyl alcohol	170	J			18.5	ug/Kg
000057-11-4	Octadecanoic acid	230	J			19.5	ug/Kg
018835-33-1	1-Hexacosene	220	J			21.4	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025387.D	1	08/12/25 09:15	08/13/25 16:50	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	310	U	180	310	380	ug/Kg
108-95-2	Phenol	150	U	25.3	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.8	150	190	ug/Kg
95-57-8	2-Chlorophenol	150	U	27.9	150	190	ug/Kg
95-48-7	2-Methylphenol	150	U	34.2	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	42.9	150	190	ug/Kg
98-86-2	Acetophenone	150	U	33.7	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	310	U	47.0	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	91.4	U	54.2	91.4	91.4	ug/Kg
67-72-1	Hexachloroethane	150	U	20.1	150	190	ug/Kg
98-95-3	Nitrobenzene	150	U	20.9	150	190	ug/Kg
78-59-1	Isophorone	150	U	37.5	150	190	ug/Kg
88-75-5	2-Nitrophenol	150	U	66.5	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	74.1	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	35.2	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	32.3	150	190	ug/Kg
91-20-3	Naphthalene	150	U	25.9	150	190	ug/Kg
106-47-8	4-Chloroaniline	150	U	40.5	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	28.9	150	190	ug/Kg
105-60-2	Caprolactam	310	U	59.6	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	32.8	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	29.3	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	130	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.6	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	33.3	150	190	ug/Kg
92-52-4	1,1-Biphenyl	150	U	24.9	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.7	150	190	ug/Kg
88-74-4	2-Nitroaniline	150	U	55.0	150	190	ug/Kg
131-11-3	Dimethylphthalate	150	U	31.0	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025387.D	1	08/12/25 09:15	08/13/25 16:50	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	33.0	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	38.4	150	190	ug/Kg
99-09-2	3-Nitroaniline	150	U	52.6	150	190	ug/Kg
83-32-9	Acenaphthene	150	U	24.3	150	190	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	260	310	380	ug/Kg
100-02-7	4-Nitrophenol	310	U	120	310	380	ug/Kg
132-64-9	Dibenzofuran	150	U	25.9	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	57.3	150	190	ug/Kg
84-66-2	Diethylphthalate	150	U	32.3	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.5	150	190	ug/Kg
86-73-7	Fluorene	150	U	28.9	150	190	ug/Kg
100-01-6	4-Nitroaniline	150	U	73.4	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	310	U	120	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	37.6	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	31.8	150	190	ug/Kg
118-74-1	Hexachlorobenzene	150	U	28.9	150	190	ug/Kg
1912-24-9	Atrazine	150	U	38.9	150	190	ug/Kg
87-86-5	Pentachlorophenol	310	U	58.6	310	380	ug/Kg
85-01-8	Phenanthrene	150	U	23.9	150	190	ug/Kg
120-12-7	Anthracene	150	U	38.1	150	190	ug/Kg
86-74-8	Carbazole	150	U	35.7	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	54.8	150	190	ug/Kg
206-44-0	Fluoranthene	110	J	34.3	150	190	ug/Kg
129-00-0	Pyrene	87.5	J	41.1	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	81.6	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	41.9	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	26.3	150	190	ug/Kg
218-01-9	Chrysene	150	U	22.7	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	67.7	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	310	U	99.2	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.7	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025387.D	1	08/12/25 09:15	08/13/25 16:50	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.6	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.7	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	33.3	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	31.3	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	29.4	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	29.3	150	190	ug/Kg
123-91-1	1,4-Dioxane	150	U	51.7	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	31.3	150	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	73.7		35 - 115		49%	SPK: 150
13127-88-3	Phenol-d6	66.9		34 - 127		45%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.4		37 - 122		52%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.1		44 - 115		49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	101		39 - 132		67%	SPK: 150
1718-51-0	Terphenyl-d14	46.3	*	54 - 127		46%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	178000	7.796
1146-65-2	Naphthalene-d8	679000	10.566
15067-26-2	Acenaphthene-d10	422000	14.413
1517-22-2	Phenanthrene-d10	845000	17.207
1719-03-5	Chrysene-d12	1030000	21.666
1520-96-3	Perylene-d12	1150000	25.06

TENTATIVE IDENTIFIED COMPOUNDS

013463-40-6	Iron pentacarbonyl	170	J		2.97	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	970	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	AB		4.95	ug/Kg
000119-61-9	Benzophenone	150	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	350	J		18.2	ug/Kg
000057-11-4	Octadecanoic acid	77.0	J		19.5	ug/Kg
1000351-78-2	Heptacosyl acetate	200	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025387.D	1	08/12/25 09:15	08/13/25 16:50	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025385.D	1	08/12/25 09:15	08/13/25 15:27	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	310	U	180	310	380	ug/Kg
108-95-2	Phenol	150	U	25.4	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.9	150	200	ug/Kg
95-57-8	2-Chlorophenol	150	U	28.1	150	200	ug/Kg
95-48-7	2-Methylphenol	150	U	34.4	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	43.1	150	200	ug/Kg
98-86-2	Acetophenone	150	U	33.9	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	310	U	47.3	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	92.0	U	54.5	92.0	92.0	ug/Kg
67-72-1	Hexachloroethane	150	U	20.2	150	200	ug/Kg
98-95-3	Nitrobenzene	150	U	21.0	150	200	ug/Kg
78-59-1	Isophorone	150	U	37.7	150	200	ug/Kg
88-75-5	2-Nitrophenol	150	U	66.9	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	74.5	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	35.4	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	32.5	150	200	ug/Kg
91-20-3	Naphthalene	150	U	26.1	150	200	ug/Kg
106-47-8	4-Chloroaniline	150	U	40.7	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	29.1	150	200	ug/Kg
105-60-2	Caprolactam	310	U	59.9	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	33.0	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	29.4	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	130	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.8	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	33.5	150	200	ug/Kg
92-52-4	1,1-Biphenyl	150	U	25.1	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.9	150	200	ug/Kg
88-74-4	2-Nitroaniline	150	U	55.3	150	200	ug/Kg
131-11-3	Dimethylphthalate	150	U	31.2	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025385.D	1	08/12/25 09:15	08/13/25 15:27	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	33.2	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	38.6	150	200	ug/Kg
99-09-2	3-Nitroaniline	150	U	52.9	150	200	ug/Kg
83-32-9	Acenaphthene	150	U	24.5	150	200	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	260	310	380	ug/Kg
100-02-7	4-Nitrophenol	310	U	120	310	380	ug/Kg
132-64-9	Dibenzofuran	150	U	26.1	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	57.6	150	200	ug/Kg
84-66-2	Diethylphthalate	150	U	32.5	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.7	150	200	ug/Kg
86-73-7	Fluorene	150	U	29.1	150	200	ug/Kg
100-01-6	4-Nitroaniline	150	U	73.8	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	310	U	120	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	37.8	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	32.0	150	200	ug/Kg
118-74-1	Hexachlorobenzene	150	U	29.1	150	200	ug/Kg
1912-24-9	Atrazine	150	U	39.1	150	200	ug/Kg
87-86-5	Pentachlorophenol	310	U	59.0	310	380	ug/Kg
85-01-8	Phenanthrene	150	U	24.0	150	200	ug/Kg
120-12-7	Anthracene	150	U	38.3	150	200	ug/Kg
86-74-8	Carbazole	150	U	35.9	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	55.1	150	200	ug/Kg
206-44-0	Fluoranthene	150	U	34.5	150	200	ug/Kg
129-00-0	Pyrene	150	U	41.4	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	82.1	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	42.2	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	26.4	150	200	ug/Kg
218-01-9	Chrysene	150	U	22.9	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	68.1	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	310	U	99.8	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.8	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025385.D	1	08/12/25 09:15	08/13/25 15:27	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.8	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.9	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	33.5	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	31.5	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	29.5	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	29.4	150	200	ug/Kg
123-91-1	1,4-Dioxane	150	U	52.0	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	31.5	150	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	76.9		35 - 115		51%	SPK: 150
13127-88-3	Phenol-d6	69.4		34 - 127		46%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.0		37 - 122		53%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.6		44 - 115		52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	112		39 - 132		74%	SPK: 150
1718-51-0	Terphenyl-d14	52.4	*	54 - 127		52%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	168000	7.796
1146-65-2	Naphthalene-d8	648000	10.572
15067-26-2	Acenaphthene-d10	392000	14.425
1517-22-2	Phenanthrene-d10	809000	17.231
1719-03-5	Chrysene-d12	934000	21.672
1520-96-3	Perylene-d12	1050000	25.083

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	780	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	200	AB		4.95	ug/Kg
000119-61-9	Benzophenone	93.1	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	270	J		18.2	ug/Kg
015594-90-8	1-Heneicosanol	190	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	1.0
		GPC Cleanup :	N
Prep Method :	SW3541	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025385.D	1	08/12/25 09:15	08/13/25 15:27	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.8
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		GPC Cleanup :	N
		PH :	
		Test:	SVOC-TCL BNA -20

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025381.D	1	08/12/25 09:15	08/13/25 12:41	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	550	U	320	550	670	ug/Kg
108-95-2	Phenol	270	U	45.2	270	350	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	270	U	49.6	270	350	ug/Kg
95-57-8	2-Chlorophenol	270	U	49.9	270	350	ug/Kg
95-48-7	2-Methylphenol	270	U	61.1	270	350	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	270	U	76.6	270	350	ug/Kg
98-86-2	Acetophenone	270	U	60.3	270	350	ug/Kg
65794-96-9	3+4-Methylphenols	550	U	84.0	550	670	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	96.8	160	160	ug/Kg
67-72-1	Hexachloroethane	270	U	36.0	270	350	ug/Kg
98-95-3	Nitrobenzene	270	U	37.4	270	350	ug/Kg
78-59-1	Isophorone	270	U	67.0	270	350	ug/Kg
88-75-5	2-Nitrophenol	270	U	120	270	350	ug/Kg
105-67-9	2,4-Dimethylphenol	270	U	130	270	350	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	270	U	62.9	270	350	ug/Kg
120-83-2	2,4-Dichlorophenol	270	U	57.8	270	350	ug/Kg
91-20-3	Naphthalene	270	U	46.4	270	350	ug/Kg
106-47-8	4-Chloroaniline	270	U	72.3	270	350	ug/Kg
87-68-3	Hexachlorobutadiene	270	U	51.7	270	350	ug/Kg
105-60-2	Caprolactam	550	U	110	550	670	ug/Kg
59-50-7	4-Chloro-3-methylphenol	270	U	58.6	270	350	ug/Kg
91-57-6	2-Methylnaphthalene	270	U	52.3	270	350	ug/Kg
77-47-4	Hexachlorocyclopentadiene	550	U	240	550	670	ug/Kg
88-06-2	2,4,6-Trichlorophenol	270	U	40.5	270	350	ug/Kg
95-95-4	2,4,5-Trichlorophenol	270	U	59.5	270	350	ug/Kg
92-52-4	1,1-Biphenyl	270	U	44.5	270	350	ug/Kg
91-58-7	2-Chloronaphthalene	270	U	46.0	270	350	ug/Kg
88-74-4	2-Nitroaniline	270	U	98.3	270	350	ug/Kg
131-11-3	Dimethylphthalate	270	U	55.4	270	350	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.8
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025381.D	1	08/12/25 09:15	08/13/25 12:41	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	270	U	59.0	270	350	ug/Kg
606-20-2	2,6-Dinitrotoluene	270	U	68.6	270	350	ug/Kg
99-09-2	3-Nitroaniline	270	U	94.0	270	350	ug/Kg
83-32-9	Acenaphthene	270	U	43.5	270	350	ug/Kg
51-28-5	2,4-Dinitrophenol	550	U	470	550	670	ug/Kg
100-02-7	4-Nitrophenol	550	U	220	550	670	ug/Kg
132-64-9	Dibenzofuran	270	U	46.4	270	350	ug/Kg
121-14-2	2,4-Dinitrotoluene	270	U	100	270	350	ug/Kg
84-66-2	Diethylphthalate	270	U	57.8	270	350	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	270	U	54.5	270	350	ug/Kg
86-73-7	Fluorene	270	U	51.7	270	350	ug/Kg
100-01-6	4-Nitroaniline	270	U	130	270	350	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	550	U	210	550	670	ug/Kg
86-30-6	n-Nitrosodiphenylamine	270	U	67.2	270	350	ug/Kg
101-55-3	4-Bromophenyl-phenylether	270	U	56.8	270	350	ug/Kg
118-74-1	Hexachlorobenzene	270	U	51.7	270	350	ug/Kg
1912-24-9	Atrazine	270	U	69.5	270	350	ug/Kg
87-86-5	Pentachlorophenol	550	U	100	550	670	ug/Kg
85-01-8	Phenanthrene	270	U	42.7	270	350	ug/Kg
120-12-7	Anthracene	270	U	68.0	270	350	ug/Kg
86-74-8	Carbazole	270	U	63.7	270	350	ug/Kg
84-74-2	Di-n-butylphthalate	270	U	97.9	270	350	ug/Kg
206-44-0	Fluoranthene	270	U	61.3	270	350	ug/Kg
129-00-0	Pyrene	270	U	73.5	270	350	ug/Kg
85-68-7	Butylbenzylphthalate	270	U	150	270	350	ug/Kg
91-94-1	3,3-Dichlorobenzidine	550	U	75.0	550	670	ug/Kg
56-55-3	Benzo(a)anthracene	270	U	47.0	270	350	ug/Kg
218-01-9	Chrysene	270	U	40.7	270	350	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	270	U	120	270	350	ug/Kg
117-84-0	Di-n-octyl phthalate	550	U	180	550	670	ug/Kg
205-99-2	Benzo(b)fluoranthene	270	U	38.8	270	350	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.8
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025381.D	1	08/12/25 09:15	08/13/25 12:41	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	270	U	45.8	270	350	ug/Kg
50-32-8	Benzo(a)pyrene	270	U	60.3	270	350	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	270	U	59.5	270	350	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	270	U	56.0	270	350	ug/Kg
191-24-2	Benzo(g,h,i)perylene	270	U	52.5	270	350	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	270	U	52.3	270	350	ug/Kg
123-91-1	1,4-Dioxane	270	U	92.3	270	350	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	270	U	56.0	270	350	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	117		35 - 115		78%	SPK: 150
13127-88-3	Phenol-d6	110		34 - 127		73%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.6		37 - 122		79%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.8		44 - 115		56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		39 - 132		102%	SPK: 150
1718-51-0	Terphenyl-d14	45.7	*	54 - 127		46%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	175000	7.796
1146-65-2	Naphthalene-d8	681000	10.572
15067-26-2	Acenaphthene-d10	417000	14.413
1517-22-2	Phenanthrene-d10	829000	17.207
1719-03-5	Chrysene-d12	887000	21.654
1520-96-3	Perylene-d12	1030000	25.054

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2300	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	540	AB		4.96	ug/Kg
65-85-0	Benzoic acid	470	J		9.81	ug/Kg
000119-61-9	Benzophenone	290	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	650	J		18.1	ug/Kg
000057-11-4	Octadecanoic acid	150	J		19.5	ug/Kg
015594-90-8	1-Heneicosanol	490	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.8
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025381.D	1	08/12/25 09:15	08/13/25 12:41	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
018835-33-1	1-Hexacosene	230	J			22.6	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025382.D	1	08/12/25 09:15	08/13/25 13:22	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	350	U	200	350	430	ug/Kg
108-95-2	Phenol	170	U	28.5	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	31.3	170	220	ug/Kg
95-57-8	2-Chlorophenol	170	U	31.5	170	220	ug/Kg
95-48-7	2-Methylphenol	170	U	38.5	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	48.3	170	220	ug/Kg
98-86-2	Acetophenone	170	U	38.0	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	350	U	53.0	350	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	100	U	61.1	100	100	ug/Kg
67-72-1	Hexachloroethane	170	U	22.7	170	220	ug/Kg
98-95-3	Nitrobenzene	170	U	23.6	170	220	ug/Kg
78-59-1	Isophorone	170	U	42.3	170	220	ug/Kg
88-75-5	2-Nitrophenol	170	U	75.0	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	170	U	83.5	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	39.7	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	36.5	170	220	ug/Kg
91-20-3	Naphthalene	170	U	29.3	170	220	ug/Kg
106-47-8	4-Chloroaniline	170	U	45.6	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	32.6	170	220	ug/Kg
105-60-2	Caprolactam	350	U	67.2	350	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	37.0	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	170	U	33.0	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	350	U	150	350	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	U	25.5	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	37.5	170	220	ug/Kg
92-52-4	1,1-Biphenyl	170	U	28.1	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	29.0	170	220	ug/Kg
88-74-4	2-Nitroaniline	170	U	62.0	170	220	ug/Kg
131-11-3	Dimethylphthalate	170	U	34.9	170	220	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025382.D	1	08/12/25 09:15	08/13/25 13:22	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	U	37.3	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	43.3	170	220	ug/Kg
99-09-2	3-Nitroaniline	170	U	59.3	170	220	ug/Kg
83-32-9	Acenaphthene	170	U	27.5	170	220	ug/Kg
51-28-5	2,4-Dinitrophenol	350	U	300	350	430	ug/Kg
100-02-7	4-Nitrophenol	350	U	140	350	430	ug/Kg
132-64-9	Dibenzofuran	170	U	29.3	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	64.6	170	220	ug/Kg
84-66-2	Diethylphthalate	170	U	36.5	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	34.4	170	220	ug/Kg
86-73-7	Fluorene	170	U	32.6	170	220	ug/Kg
100-01-6	4-Nitroaniline	170	U	82.8	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	350	U	130	350	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	42.4	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	U	35.8	170	220	ug/Kg
118-74-1	Hexachlorobenzene	170	U	32.6	170	220	ug/Kg
1912-24-9	Atrazine	170	U	43.8	170	220	ug/Kg
87-86-5	Pentachlorophenol	350	U	66.1	350	430	ug/Kg
85-01-8	Phenanthrene	170	U	26.9	170	220	ug/Kg
120-12-7	Anthracene	170	U	42.9	170	220	ug/Kg
86-74-8	Carbazole	170	U	40.2	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	61.7	170	220	ug/Kg
206-44-0	Fluoranthene	170	U	38.7	170	220	ug/Kg
129-00-0	Pyrene	170	U	46.4	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	92.0	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	350	U	47.3	350	430	ug/Kg
56-55-3	Benzo(a)anthracene	170	U	29.6	170	220	ug/Kg
218-01-9	Chrysene	170	U	25.7	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	92.5	J	76.3	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	350	U	110	350	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	U	24.5	170	220	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025382.D	1	08/12/25 09:15	08/13/25 13:22	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	170	U	28.9	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	170	U	38.0	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	37.5	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	35.3	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	U	33.1	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	33.0	170	220	ug/Kg
123-91-1	1,4-Dioxane	170	U	58.3	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	35.3	170	220	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	115		35 - 115		77%	SPK: 150
13127-88-3	Phenol-d6	111		34 - 127		74%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.4		37 - 122		78%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.0		44 - 115		56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	152		39 - 132		101%	SPK: 150
1718-51-0	Terphenyl-d14	55.6		54 - 127		56%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	169000	7.795
1146-65-2	Naphthalene-d8	654000	10.572
15067-26-2	Acenaphthene-d10	421000	14.419
1517-22-2	Phenanthrene-d10	846000	17.224
1719-03-5	Chrysene-d12	903000	21.677
1520-96-3	Perylene-d12	1040000	25.077

TENTATIVE IDENTIFIED COMPOUNDS

65-85-0	Benzoic acid	290	J		9.81	ug/Kg
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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.4
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025382.D	1	08/12/25 09:15	08/13/25 13:22	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025388.D	1	08/12/25 09:15	08/13/25 17:32	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	340	U	200	340	420	ug/Kg
108-95-2	Phenol	170	U	28.1	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	30.9	170	220	ug/Kg
95-57-8	2-Chlorophenol	170	U	31.0	170	220	ug/Kg
95-48-7	2-Methylphenol	170	U	38.0	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	47.6	170	220	ug/Kg
98-86-2	Acetophenone	170	U	37.5	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	340	U	52.2	340	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	100	U	60.2	100	100	ug/Kg
67-72-1	Hexachloroethane	170	U	22.4	170	220	ug/Kg
98-95-3	Nitrobenzene	170	U	23.3	170	220	ug/Kg
78-59-1	Isophorone	170	U	41.7	170	220	ug/Kg
88-75-5	2-Nitrophenol	170	U	73.9	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	170	U	82.3	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	39.1	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	36.0	170	220	ug/Kg
91-20-3	Naphthalene	170	U	28.8	170	220	ug/Kg
106-47-8	4-Chloroaniline	170	U	45.0	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	32.1	170	220	ug/Kg
105-60-2	Caprolactam	340	U	66.2	340	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	36.5	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	170	U	32.5	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	340	U	150	340	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	U	25.2	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	37.0	170	220	ug/Kg
92-52-4	1,1-Biphenyl	170	U	27.7	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	28.6	170	220	ug/Kg
88-74-4	2-Nitroaniline	170	U	61.1	170	220	ug/Kg
131-11-3	Dimethylphthalate	170	U	34.4	170	220	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025388.D	1	08/12/25 09:15	08/13/25 17:32	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	U	36.7	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	42.7	170	220	ug/Kg
99-09-2	3-Nitroaniline	170	U	58.4	170	220	ug/Kg
83-32-9	Acenaphthene	170	U	27.1	170	220	ug/Kg
51-28-5	2,4-Dinitrophenol	340	U	290	340	420	ug/Kg
100-02-7	4-Nitrophenol	340	U	140	340	420	ug/Kg
132-64-9	Dibenzofuran	170	U	28.8	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	63.7	170	220	ug/Kg
84-66-2	Diethylphthalate	170	U	36.0	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	33.9	170	220	ug/Kg
86-73-7	Fluorene	170	U	32.1	170	220	ug/Kg
100-01-6	4-Nitroaniline	170	U	81.6	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	340	U	130	340	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	41.8	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	U	35.3	170	220	ug/Kg
118-74-1	Hexachlorobenzene	170	U	32.1	170	220	ug/Kg
1912-24-9	Atrazine	170	U	43.2	170	220	ug/Kg
87-86-5	Pentachlorophenol	340	U	65.2	340	420	ug/Kg
85-01-8	Phenanthrene	170	U	26.6	170	220	ug/Kg
120-12-7	Anthracene	170	U	42.3	170	220	ug/Kg
86-74-8	Carbazole	170	U	39.6	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	60.9	170	220	ug/Kg
206-44-0	Fluoranthene	310		38.1	170	220	ug/Kg
129-00-0	Pyrene	300		45.7	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	90.7	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	340	U	46.6	340	420	ug/Kg
56-55-3	Benzo(a)anthracene	180	J	29.2	170	220	ug/Kg
218-01-9	Chrysene	170	J	25.3	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	75.2	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	340	U	110	340	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	240		24.1	170	220	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025388.D	1	08/12/25 09:15	08/13/25 17:32	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	88.0	J	28.5	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	180	J	37.5	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	J	37.0	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	34.8	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	J	32.7	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	32.5	170	220	ug/Kg
123-91-1	1,4-Dioxane	170	U	57.4	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	34.8	170	220	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	73.2		35 - 115		49%	SPK: 150
13127-88-3	Phenol-d6	67.7		34 - 127		45%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.9		37 - 122		49%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.9	*	44 - 115		43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	91.9		39 - 132		61%	SPK: 150
1718-51-0	Terphenyl-d14	37.9	*	54 - 127		38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	213000	7.796
1146-65-2	Naphthalene-d8	845000	10.572
15067-26-2	Acenaphthene-d10	533000	14.419
1517-22-2	Phenanthrene-d10	1010000	17.219
1719-03-5	Chrysene-d12	1020000	21.677
1520-96-3	Perylene-d12	1160000	25.071

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	760	J		3.05	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB		4.96	ug/Kg
000119-61-9	Benzophenone	180	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	660	J		18.2	ug/Kg
000057-11-4	Octadecanoic acid	150	J		19.5	ug/Kg
959092-08-1	Pentafluoropropionic acid, pentade	220	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025388.D	1	08/12/25 09:15	08/13/25 17:32	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-07RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025432.D	1	08/12/25 09:15	08/15/25 18:17	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	340	U	200	340	420	ug/Kg
108-95-2	Phenol	170	U	28.1	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	30.9	170	220	ug/Kg
95-57-8	2-Chlorophenol	170	U	31.0	170	220	ug/Kg
95-48-7	2-Methylphenol	170	U	38.0	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	47.6	170	220	ug/Kg
98-86-2	Acetophenone	170	U	37.5	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	340	U	52.2	340	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	100	U	60.2	100	100	ug/Kg
67-72-1	Hexachloroethane	170	U	22.4	170	220	ug/Kg
98-95-3	Nitrobenzene	170	U	23.3	170	220	ug/Kg
78-59-1	Isophorone	170	U	41.7	170	220	ug/Kg
88-75-5	2-Nitrophenol	170	U	73.9	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	170	U	82.3	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	39.1	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	36.0	170	220	ug/Kg
91-20-3	Naphthalene	170	U	28.8	170	220	ug/Kg
106-47-8	4-Chloroaniline	170	U	45.0	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	32.1	170	220	ug/Kg
105-60-2	Caprolactam	340	U	66.2	340	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	36.5	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	170	U	32.5	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	340	U	150	340	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	U	25.2	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	37.0	170	220	ug/Kg
92-52-4	1,1-Biphenyl	170	U	27.7	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	28.6	170	220	ug/Kg
88-74-4	2-Nitroaniline	170	U	61.1	170	220	ug/Kg
131-11-3	Dimethylphthalate	170	U	34.4	170	220	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-07RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025432.D	1	08/12/25 09:15	08/15/25 18:17	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	U	36.7	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	42.7	170	220	ug/Kg
99-09-2	3-Nitroaniline	170	U	58.4	170	220	ug/Kg
83-32-9	Acenaphthene	170	U	27.1	170	220	ug/Kg
51-28-5	2,4-Dinitrophenol	340	U	290	340	420	ug/Kg
100-02-7	4-Nitrophenol	340	U	140	340	420	ug/Kg
132-64-9	Dibenzofuran	170	U	28.8	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	63.7	170	220	ug/Kg
84-66-2	Diethylphthalate	170	U	36.0	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	33.9	170	220	ug/Kg
86-73-7	Fluorene	170	U	32.1	170	220	ug/Kg
100-01-6	4-Nitroaniline	170	U	81.6	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	340	U	130	340	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	41.8	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	U	35.3	170	220	ug/Kg
118-74-1	Hexachlorobenzene	170	U	32.1	170	220	ug/Kg
1912-24-9	Atrazine	170	U	43.2	170	220	ug/Kg
87-86-5	Pentachlorophenol	340	U	65.2	340	420	ug/Kg
85-01-8	Phenanthrene	170	U	26.6	170	220	ug/Kg
120-12-7	Anthracene	170	U	42.3	170	220	ug/Kg
86-74-8	Carbazole	170	U	39.6	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	60.9	170	220	ug/Kg
206-44-0	Fluoranthene	280		38.1	170	220	ug/Kg
129-00-0	Pyrene	280		45.7	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	90.7	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	340	U	46.6	340	420	ug/Kg
56-55-3	Benzo(a)anthracene	180	J	29.2	170	220	ug/Kg
218-01-9	Chrysene	160	J	25.3	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	75.2	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	340	U	110	340	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	240		24.1	170	220	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-07RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025432.D	1	08/12/25 09:15	08/15/25 18:17	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	170	U	28.5	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	180	J	37.5	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	J	37.0	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	34.8	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	J	32.7	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	32.5	170	220	ug/Kg
123-91-1	1,4-Dioxane	170	U	57.4	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	34.8	170	220	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	77.1		35 - 115		51%	SPK: 150
13127-88-3	Phenol-d6	79.3		34 - 127		53%	SPK: 150
4165-60-0	Nitrobenzene-d5	45.9		37 - 122		46%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.5	*	44 - 115		42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	74.3		39 - 132		50%	SPK: 150
1718-51-0	Terphenyl-d14	35.6	*	54 - 127		36%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	179000	7.79
1146-65-2	Naphthalene-d8	754000	10.555
15067-26-2	Acenaphthene-d10	491000	14.396
1517-22-2	Phenanthrene-d10	975000	17.195
1719-03-5	Chrysene-d12	981000	21.636
1520-96-3	Perylene-d12	1090000	25.001

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025383.D	1	08/12/25 09:15	08/13/25 14:04	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	300	U	170	300	370	ug/Kg
108-95-2	Phenol	150	U	24.8	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.2	150	190	ug/Kg
95-57-8	2-Chlorophenol	150	U	27.3	150	190	ug/Kg
95-48-7	2-Methylphenol	150	U	33.5	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	42.0	150	190	ug/Kg
98-86-2	Acetophenone	150	U	33.1	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	300	U	46.1	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	89.6	U	53.1	89.6	89.6	ug/Kg
67-72-1	Hexachloroethane	150	U	19.7	150	190	ug/Kg
98-95-3	Nitrobenzene	150	U	20.5	150	190	ug/Kg
78-59-1	Isophorone	150	U	36.8	150	190	ug/Kg
88-75-5	2-Nitrophenol	150	U	65.2	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	72.6	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	34.5	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	31.7	150	190	ug/Kg
91-20-3	Naphthalene	150	U	25.4	150	190	ug/Kg
106-47-8	4-Chloroaniline	150	U	39.7	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	28.4	150	190	ug/Kg
105-60-2	Caprolactam	300	U	58.4	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	32.2	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	28.7	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	U	130	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.2	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	32.6	150	190	ug/Kg
92-52-4	1,1-Biphenyl	150	U	24.4	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.2	150	190	ug/Kg
88-74-4	2-Nitroaniline	150	U	53.9	150	190	ug/Kg
131-11-3	Dimethylphthalate	150	U	30.4	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025383.D	1	08/12/25 09:15	08/13/25 14:04	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	32.4	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	37.7	150	190	ug/Kg
99-09-2	3-Nitroaniline	150	U	51.5	150	190	ug/Kg
83-32-9	Acenaphthene	150	U	23.9	150	190	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	260	300	370	ug/Kg
100-02-7	4-Nitrophenol	300	U	120	300	370	ug/Kg
132-64-9	Dibenzofuran	150	U	25.4	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	56.1	150	190	ug/Kg
84-66-2	Diethylphthalate	150	U	31.7	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	29.9	150	190	ug/Kg
86-73-7	Fluorene	150	U	28.4	150	190	ug/Kg
100-01-6	4-Nitroaniline	150	U	71.9	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	300	U	120	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	36.9	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	31.2	150	190	ug/Kg
118-74-1	Hexachlorobenzene	150	U	28.4	150	190	ug/Kg
1912-24-9	Atrazine	150	U	38.1	150	190	ug/Kg
87-86-5	Pentachlorophenol	300	U	57.5	300	370	ug/Kg
85-01-8	Phenanthrene	150	U	23.4	150	190	ug/Kg
120-12-7	Anthracene	150	U	37.3	150	190	ug/Kg
86-74-8	Carbazole	150	U	35.0	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	53.7	150	190	ug/Kg
206-44-0	Fluoranthene	150	U	33.6	150	190	ug/Kg
129-00-0	Pyrene	150	U	40.3	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	80.0	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	41.1	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	25.8	150	190	ug/Kg
218-01-9	Chrysene	150	U	22.3	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	66.3	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	300	U	97.3	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.3	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025383.D	1	08/12/25 09:15	08/13/25 14:04	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.1	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.1	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	32.6	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	30.7	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	28.8	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	28.7	150	190	ug/Kg
123-91-1	1,4-Dioxane	150	U	50.7	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	30.7	150	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	121		35 - 115		81%	SPK: 150
13127-88-3	Phenol-d6	113		34 - 127		75%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.8		37 - 122		86%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.0		44 - 115		80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	177		39 - 132		118%	SPK: 150
1718-51-0	Terphenyl-d14	82.0		54 - 127		82%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	161000	7.802
1146-65-2	Naphthalene-d8	626000	10.572
15067-26-2	Acenaphthene-d10	389000	14.425
1517-22-2	Phenanthrene-d10	792000	17.225
1719-03-5	Chrysene-d12	857000	21.677
1520-96-3	Perylene-d12	970000	25.083

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	310	AB		4.95	ug/Kg
65-85-0	Benzoic acid	270	J		9.82	ug/Kg
000119-61-9	Benzophenone	150	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	350	J		18.2	ug/Kg
001454-84-8	n-Nonadecanol-1	170	J		19.1	ug/Kg
018435-45-5	1-Nonadecene	150	J		20.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	1.0	GPC Cleanup :
		N	PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025383.D	1	08/12/25 09:15	08/13/25 14:04	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
1000351-78-2	Heptacosyl acetate	400	J			21.3	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	55.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025384.D	1	08/12/25 09:15	08/13/25 14:46	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	480	U	280	480	590	ug/Kg
108-95-2	Phenol	230	U	39.6	230	300	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	230	U	43.5	230	300	ug/Kg
95-57-8	2-Chlorophenol	230	U	43.7	230	300	ug/Kg
95-48-7	2-Methylphenol	230	U	53.5	230	300	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	230	U	67.2	230	300	ug/Kg
98-86-2	Acetophenone	230	U	52.8	230	300	ug/Kg
65794-96-9	3+4-Methylphenols	480	U	73.6	480	590	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	140	U	84.9	140	140	ug/Kg
67-72-1	Hexachloroethane	230	U	31.5	230	300	ug/Kg
98-95-3	Nitrobenzene	230	U	32.8	230	300	ug/Kg
78-59-1	Isophorone	230	U	58.7	230	300	ug/Kg
88-75-5	2-Nitrophenol	230	U	100	230	300	ug/Kg
105-67-9	2,4-Dimethylphenol	230	U	120	230	300	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	230	U	55.2	230	300	ug/Kg
120-83-2	2,4-Dichlorophenol	230	U	50.7	230	300	ug/Kg
91-20-3	Naphthalene	230	U	40.7	230	300	ug/Kg
106-47-8	4-Chloroaniline	230	U	63.4	230	300	ug/Kg
87-68-3	Hexachlorobutadiene	230	U	45.3	230	300	ug/Kg
105-60-2	Caprolactam	480	U	93.3	480	590	ug/Kg
59-50-7	4-Chloro-3-methylphenol	230	U	51.4	230	300	ug/Kg
91-57-6	2-Methylnaphthalene	230	U	45.8	230	300	ug/Kg
77-47-4	Hexachlorocyclopentadiene	480	U	210	480	590	ug/Kg
88-06-2	2,4,6-Trichlorophenol	230	U	35.5	230	300	ug/Kg
95-95-4	2,4,5-Trichlorophenol	230	U	52.1	230	300	ug/Kg
92-52-4	1,1-Biphenyl	230	U	39.0	230	300	ug/Kg
91-58-7	2-Chloronaphthalene	230	U	40.3	230	300	ug/Kg
88-74-4	2-Nitroaniline	230	U	86.1	230	300	ug/Kg
131-11-3	Dimethylphthalate	230	U	48.5	230	300	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	55.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025384.D	1	08/12/25 09:15	08/13/25 14:46	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	230	U	51.8	230	300	ug/Kg
606-20-2	2,6-Dinitrotoluene	230	U	60.2	230	300	ug/Kg
99-09-2	3-Nitroaniline	230	U	82.4	230	300	ug/Kg
83-32-9	Acenaphthene	230	U	38.1	230	300	ug/Kg
51-28-5	2,4-Dinitrophenol	480	U	410	480	590	ug/Kg
100-02-7	4-Nitrophenol	480	U	190	480	590	ug/Kg
132-64-9	Dibenzofuran	230	U	40.7	230	300	ug/Kg
121-14-2	2,4-Dinitrotoluene	230	U	89.7	230	300	ug/Kg
84-66-2	Diethylphthalate	230	U	50.7	230	300	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	230	U	47.8	230	300	ug/Kg
86-73-7	Fluorene	230	U	45.3	230	300	ug/Kg
100-01-6	4-Nitroaniline	230	U	110	230	300	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	480	U	180	480	590	ug/Kg
86-30-6	n-Nitrosodiphenylamine	230	U	58.9	230	300	ug/Kg
101-55-3	4-Bromophenyl-phenylether	230	U	49.8	230	300	ug/Kg
118-74-1	Hexachlorobenzene	230	U	45.3	230	300	ug/Kg
1912-24-9	Atrazine	230	U	60.9	230	300	ug/Kg
87-86-5	Pentachlorophenol	480	U	91.9	480	590	ug/Kg
85-01-8	Phenanthrene	230	U	37.4	230	300	ug/Kg
120-12-7	Anthracene	230	U	59.6	230	300	ug/Kg
86-74-8	Carbazole	230	U	55.9	230	300	ug/Kg
84-74-2	Di-n-butylphthalate	230	U	85.8	230	300	ug/Kg
206-44-0	Fluoranthene	230	U	53.7	230	300	ug/Kg
129-00-0	Pyrene	230	U	64.5	230	300	ug/Kg
85-68-7	Butylbenzylphthalate	230	U	130	230	300	ug/Kg
91-94-1	3,3-Dichlorobenzidine	480	U	65.7	480	590	ug/Kg
56-55-3	Benzo(a)anthracene	230	U	41.2	230	300	ug/Kg
218-01-9	Chrysene	230	U	35.6	230	300	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	230	U	110	230	300	ug/Kg
117-84-0	Di-n-octyl phthalate	480	U	160	480	590	ug/Kg
205-99-2	Benzo(b)fluoranthene	230	U	34.0	230	300	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	55.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025384.D	1	08/12/25 09:15	08/13/25 14:46	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	230	U	40.1	230	300	ug/Kg
50-32-8	Benzo(a)pyrene	230	U	52.8	230	300	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	230	U	52.1	230	300	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	230	U	49.1	230	300	ug/Kg
191-24-2	Benzo(g,h,i)perylene	230	U	46.0	230	300	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	230	U	45.8	230	300	ug/Kg
123-91-1	1,4-Dioxane	230	U	80.9	230	300	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	230	U	49.1	230	300	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	77.6		35 - 115		52%	SPK: 150
13127-88-3	Phenol-d6	70.1		34 - 127		47%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.7		37 - 122		53%	SPK: 100
321-60-8	2-Fluorobiphenyl	47.8		44 - 115		48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	107		39 - 132		71%	SPK: 150
1718-51-0	Terphenyl-d14	46.8	*	54 - 127		47%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	141000	7.796
1146-65-2	Naphthalene-d8	543000	10.572
15067-26-2	Acenaphthene-d10	336000	14.425
1517-22-2	Phenanthrene-d10	669000	17.219
1719-03-5	Chrysene-d12	758000	21.672
1520-96-3	Perylene-d12	855000	25.071

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1400	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	310	AB		4.95	ug/Kg
000119-61-9	Benzophenone	220	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	330	J		18.2	ug/Kg
018835-33-1	1-Hexacosene	360	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	55.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025384.D	1	08/12/25 09:15	08/13/25 14:46	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025408.D	1	08/13/25 09:05	08/15/25 01:00	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	560	U	320	560	680	ug/Kg
108-95-2	Phenol	270	U	45.6	270	350	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	270	U	50.1	270	350	ug/Kg
95-57-8	2-Chlorophenol	270	U	50.3	270	350	ug/Kg
95-48-7	2-Methylphenol	270	U	61.7	270	350	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	270	U	77.4	270	350	ug/Kg
98-86-2	Acetophenone	270	U	60.8	270	350	ug/Kg
65794-96-9	3+4-Methylphenols	560	U	84.8	560	680	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	97.8	170	170	ug/Kg
67-72-1	Hexachloroethane	270	U	36.3	270	350	ug/Kg
98-95-3	Nitrobenzene	270	U	37.7	270	350	ug/Kg
78-59-1	Isophorone	270	U	67.7	270	350	ug/Kg
88-75-5	2-Nitrophenol	270	U	120	270	350	ug/Kg
105-67-9	2,4-Dimethylphenol	270	U	130	270	350	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	270	U	63.5	270	350	ug/Kg
120-83-2	2,4-Dichlorophenol	270	U	58.4	270	350	ug/Kg
91-20-3	Naphthalene	270	U	46.8	270	350	ug/Kg
106-47-8	4-Chloroaniline	270	U	73.0	270	350	ug/Kg
87-68-3	Hexachlorobutadiene	270	U	52.2	270	350	ug/Kg
105-60-2	Caprolactam	560	U	110	560	680	ug/Kg
59-50-7	4-Chloro-3-methylphenol	270	U	59.2	270	350	ug/Kg
91-57-6	2-Methylnaphthalene	270	U	52.8	270	350	ug/Kg
77-47-4	Hexachlorocyclopentadiene	560	U	240	560	680	ug/Kg
88-06-2	2,4,6-Trichlorophenol	270	U	40.8	270	350	ug/Kg
95-95-4	2,4,5-Trichlorophenol	270	U	60.0	270	350	ug/Kg
92-52-4	1,1-Biphenyl	270	U	45.0	270	350	ug/Kg
91-58-7	2-Chloronaphthalene	270	U	46.4	270	350	ug/Kg
88-74-4	2-Nitroaniline	270	U	99.2	270	350	ug/Kg
131-11-3	Dimethylphthalate	270	U	55.9	270	350	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025408.D	1	08/13/25 09:05	08/15/25 01:00	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	270	U	59.6	270	350	ug/Kg
606-20-2	2,6-Dinitrotoluene	270	U	69.3	270	350	ug/Kg
99-09-2	3-Nitroaniline	270	U	94.9	270	350	ug/Kg
83-32-9	Acenaphthene	270	U	43.9	270	350	ug/Kg
51-28-5	2,4-Dinitrophenol	560	U	470	560	680	ug/Kg
100-02-7	4-Nitrophenol	560	U	220	560	680	ug/Kg
132-64-9	Dibenzofuran	270	U	46.8	270	350	ug/Kg
121-14-2	2,4-Dinitrotoluene	270	U	100	270	350	ug/Kg
84-66-2	Diethylphthalate	270	U	58.4	270	350	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	270	U	55.1	270	350	ug/Kg
86-73-7	Fluorene	270	U	52.2	270	350	ug/Kg
100-01-6	4-Nitroaniline	270	U	130	270	350	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	560	U	210	560	680	ug/Kg
86-30-6	n-Nitrosodiphenylamine	270	U	67.9	270	350	ug/Kg
101-55-3	4-Bromophenyl-phenylether	270	U	57.3	270	350	ug/Kg
118-74-1	Hexachlorobenzene	270	U	52.2	270	350	ug/Kg
1912-24-9	Atrazine	270	U	70.1	270	350	ug/Kg
87-86-5	Pentachlorophenol	560	U	110	560	680	ug/Kg
85-01-8	Phenanthrene	270	U	43.1	270	350	ug/Kg
120-12-7	Anthracene	270	U	68.7	270	350	ug/Kg
86-74-8	Carbazole	270	U	64.4	270	350	ug/Kg
84-74-2	Di-n-butylphthalate	270	U	98.8	270	350	ug/Kg
206-44-0	Fluoranthene	270	U	61.9	270	350	ug/Kg
129-00-0	Pyrene	270	U	74.3	270	350	ug/Kg
85-68-7	Butylbenzylphthalate	270	U	150	270	350	ug/Kg
91-94-1	3,3-Dichlorobenzidine	560	U	75.7	560	680	ug/Kg
56-55-3	Benzo(a)anthracene	270	U	47.4	270	350	ug/Kg
218-01-9	Chrysene	270	U	41.0	270	350	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	270	U	120	270	350	ug/Kg
117-84-0	Di-n-octyl phthalate	560	U	180	560	680	ug/Kg
205-99-2	Benzo(b)fluoranthene	270	U	39.2	270	350	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025408.D	1	08/13/25 09:05	08/15/25 01:00	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	270	U	46.2	270	350	ug/Kg
50-32-8	Benzo(a)pyrene	270	U	60.8	270	350	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	270	U	60.0	270	350	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	270	U	56.5	270	350	ug/Kg
191-24-2	Benzo(g,h,i)perylene	270	U	53.0	270	350	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	270	U	52.8	270	350	ug/Kg
123-91-1	1,4-Dioxane	270	U	93.2	270	350	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	270	U	56.5	270	350	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	123		35 - 115		82%	SPK: 150
13127-88-3	Phenol-d6	127		34 - 127		85%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.9		37 - 122		75%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.4		44 - 115		66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		39 - 132		89%	SPK: 150
1718-51-0	Terphenyl-d14	66.5		54 - 127		67%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	131000	7.79
1146-65-2	Naphthalene-d8	528000	10.555
15067-26-2	Acenaphthene-d10	362000	14.401
1517-22-2	Phenanthrene-d10	769000	17.201
1719-03-5	Chrysene-d12	879000	21.636
1520-96-3	Perylene-d12	983000	24.983

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	3200	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	540	AB		4.95	ug/Kg
000119-61-9	Benzophenone	490	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	1000	J		18.1	ug/Kg
000057-11-4	Octadecanoic acid	590	J		19.5	ug/Kg
053057-53-7	1,21-Docosadiene	570	J		21.0	ug/Kg
010192-32-2	1-Tetracosene	680	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025408.D	1	08/13/25 09:05	08/15/25 01:00	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
014811-95-1	1,19-Eicosadiene	570	J			22.2	ug/Kg
018835-33-1	1-Hexacosene	240	J			22.6	ug/Kg
026627-85-0	Hexacosanal	210	J			23.7	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025409.D	1	08/13/25 09:05	08/15/25 01:41	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	290	U	170	290	360	ug/Kg
108-95-2	Phenol	140	U	23.8	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	26.2	140	180	ug/Kg
95-57-8	2-Chlorophenol	140	U	26.3	140	180	ug/Kg
95-48-7	2-Methylphenol	140	U	32.3	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	40.5	140	180	ug/Kg
98-86-2	Acetophenone	140	U	31.8	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	290	U	44.3	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	86.3	U	51.1	86.3	86.3	ug/Kg
67-72-1	Hexachloroethane	140	U	19.0	140	180	ug/Kg
98-95-3	Nitrobenzene	140	U	19.7	140	180	ug/Kg
78-59-1	Isophorone	140	U	35.4	140	180	ug/Kg
88-75-5	2-Nitrophenol	140	U	62.8	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	69.9	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	33.2	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	30.5	140	180	ug/Kg
91-20-3	Naphthalene	140	U	24.5	140	180	ug/Kg
106-47-8	4-Chloroaniline	140	U	38.2	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.3	140	180	ug/Kg
105-60-2	Caprolactam	290	U	56.2	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	31.0	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	27.6	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	130	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	21.4	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	31.4	140	180	ug/Kg
92-52-4	1,1-Biphenyl	140	U	23.5	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	24.3	140	180	ug/Kg
88-74-4	2-Nitroaniline	140	U	51.9	140	180	ug/Kg
131-11-3	Dimethylphthalate	140	U	29.2	140	180	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025409.D	1	08/13/25 09:05	08/15/25 01:41	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	140	U	31.2	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	36.3	140	180	ug/Kg
99-09-2	3-Nitroaniline	140	U	49.6	140	180	ug/Kg
83-32-9	Acenaphthene	140	U	23.0	140	180	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	250	290	360	ug/Kg
100-02-7	4-Nitrophenol	290	U	120	290	360	ug/Kg
132-64-9	Dibenzofuran	140	U	24.5	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	54.1	140	180	ug/Kg
84-66-2	Diethylphthalate	140	U	30.5	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	28.8	140	180	ug/Kg
86-73-7	Fluorene	140	U	27.3	140	180	ug/Kg
100-01-6	4-Nitroaniline	140	U	69.3	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	290	U	110	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	35.5	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	30.0	140	180	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.3	140	180	ug/Kg
1912-24-9	Atrazine	140	U	36.7	140	180	ug/Kg
87-86-5	Pentachlorophenol	290	U	55.4	290	360	ug/Kg
85-01-8	Phenanthrene	140	U	22.6	140	180	ug/Kg
120-12-7	Anthracene	140	U	35.9	140	180	ug/Kg
86-74-8	Carbazole	140	U	33.7	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	51.7	140	180	ug/Kg
206-44-0	Fluoranthene	140	U	32.4	140	180	ug/Kg
129-00-0	Pyrene	140	U	38.8	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	77.0	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	290	U	39.6	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	24.8	140	180	ug/Kg
218-01-9	Chrysene	140	U	21.5	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	63.9	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	290	U	93.7	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	20.5	140	180	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025409.D	1	08/13/25 09:05	08/15/25 01:41	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	24.2	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	31.8	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	31.4	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	29.6	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	27.7	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	27.6	140	180	ug/Kg
123-91-1	1,4-Dioxane	140	U	48.8	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	29.6	140	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	80.8		35 - 115		54%	SPK: 150
13127-88-3	Phenol-d6	82.1		34 - 127		55%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.5		37 - 122		50%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.0		44 - 115		51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.7		39 - 132		58%	SPK: 150
1718-51-0	Terphenyl-d14	50.3	*	54 - 127		50%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	139000	7.789
1146-65-2	Naphthalene-d8	560000	10.566
15067-26-2	Acenaphthene-d10	368000	14.407
1517-22-2	Phenanthrene-d10	771000	17.201
1719-03-5	Chrysene-d12	900000	21.636
1520-96-3	Perylene-d12	1010000	25.012

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	940	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	AB		4.95	ug/Kg
000119-61-9	Benzophenone	270	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	200	J		18.1	ug/Kg
959261-25-7	Pentafluoropropionic acid, octadec	190	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025409.D	1	08/13/25 09:05	08/15/25 01:41	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-12	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143521.D	1	08/13/25 09:05	08/21/25 10:49	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	290	U	170	290	360	ug/Kg
108-95-2	Phenol	140	U	24.0	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	26.4	140	180	ug/Kg
95-57-8	2-Chlorophenol	140	U	26.5	140	180	ug/Kg
95-48-7	2-Methylphenol	140	U	32.5	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	40.7	140	180	ug/Kg
98-86-2	Acetophenone	140	U	32.0	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	290	U	44.6	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	86.8	U	51.4	86.8	86.8	ug/Kg
67-72-1	Hexachloroethane	140	U	19.1	140	180	ug/Kg
98-95-3	Nitrobenzene	140	U	19.9	140	180	ug/Kg
78-59-1	Isophorone	140	U	35.6	140	180	ug/Kg
88-75-5	2-Nitrophenol	140	U	63.2	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	70.3	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	33.4	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	30.7	140	180	ug/Kg
91-20-3	Naphthalene	140	U	24.6	140	180	ug/Kg
106-47-8	4-Chloroaniline	140	U	38.4	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.5	140	180	ug/Kg
105-60-2	Caprolactam	290	U	56.6	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	31.2	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	27.8	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	130	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	21.5	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	31.6	140	180	ug/Kg
92-52-4	1,1-Biphenyl	140	U	23.7	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	24.4	140	180	ug/Kg
88-74-4	2-Nitroaniline	140	U	52.2	140	180	ug/Kg
131-11-3	Dimethylphthalate	140	U	29.4	140	180	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-12	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143521.D	1	08/13/25 09:05	08/21/25 10:49	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	140	U	31.4	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	36.5	140	180	ug/Kg
99-09-2	3-Nitroaniline	140	U	49.9	140	180	ug/Kg
83-32-9	Acenaphthene	140	U	23.1	140	180	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	250	290	360	ug/Kg
100-02-7	4-Nitrophenol	290	U	120	290	360	ug/Kg
132-64-9	Dibenzofuran	140	U	24.6	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	54.4	140	180	ug/Kg
84-66-2	Diethylphthalate	140	U	30.7	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	29.0	140	180	ug/Kg
86-73-7	Fluorene	140	U	27.5	140	180	ug/Kg
100-01-6	4-Nitroaniline	140	U	69.7	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	290	U	110	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	35.7	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	30.2	140	180	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.5	140	180	ug/Kg
1912-24-9	Atrazine	140	U	36.9	140	180	ug/Kg
87-86-5	Pentachlorophenol	290	U	55.7	290	360	ug/Kg
85-01-8	Phenanthrene	140	U	22.7	140	180	ug/Kg
120-12-7	Anthracene	140	U	36.1	140	180	ug/Kg
86-74-8	Carbazole	140	U	33.9	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	52.0	140	180	ug/Kg
206-44-0	Fluoranthene	140	U	32.6	140	180	ug/Kg
129-00-0	Pyrene	140	U	39.1	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	77.5	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	290	U	39.8	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	25.0	140	180	ug/Kg
218-01-9	Chrysene	140	U	21.6	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	64.3	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	290	U	94.2	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	20.6	140	180	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-12	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143521.D	1	08/13/25 09:05	08/21/25 10:49	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	24.3	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	32.0	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	31.6	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	29.7	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	27.9	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	27.8	140	180	ug/Kg
123-91-1	1,4-Dioxane	140	U	49.1	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	29.7	140	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	84.4		35 - 115		56%	SPK: 150
13127-88-3	Phenol-d6	87.0		34 - 127		58%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.8		37 - 122		61%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.3		44 - 115		63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	87.4		39 - 132		58%	SPK: 150
1718-51-0	Terphenyl-d14	61.6		54 - 127		62%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	116000	6.928
1146-65-2	Naphthalene-d8	448000	8.204
15067-26-2	Acenaphthene-d10	238000	9.963
1517-22-2	Phenanthrene-d10	358000	11.451
1719-03-5	Chrysene-d12	211000	14.092
1520-96-3	Perylene-d12	256000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1300	J		2.26	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	AB		5.16	ug/Kg
000119-61-9	Benzophenone	240	J		10.7	ug/Kg
000629-94-7	Heneicosane	79.6	J		16.1	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-12	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143521.D	1	08/13/25 09:05	08/21/25 10:49	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025501.D	1	08/13/25 09:05	08/20/25 09:19	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	300	U	170	300	360	ug/Kg
108-95-2	Phenol	140	U	24.2	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	26.6	140	190	ug/Kg
95-57-8	2-Chlorophenol	140	U	26.7	140	190	ug/Kg
95-48-7	2-Methylphenol	140	U	32.8	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	41.1	140	190	ug/Kg
98-86-2	Acetophenone	140	U	32.3	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	300	U	45.0	300	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	87.6	U	51.9	87.6	87.6	ug/Kg
67-72-1	Hexachloroethane	140	U	19.3	140	190	ug/Kg
98-95-3	Nitrobenzene	140	U	20.0	140	190	ug/Kg
78-59-1	Isophorone	140	U	35.9	140	190	ug/Kg
88-75-5	2-Nitrophenol	140	U	63.8	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	71.0	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	33.7	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	31.0	140	190	ug/Kg
91-20-3	Naphthalene	140	U	24.9	140	190	ug/Kg
106-47-8	4-Chloroaniline	140	U	38.8	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.7	140	190	ug/Kg
105-60-2	Caprolactam	300	U	57.1	300	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	31.4	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	28.0	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	U	130	300	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	21.7	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	31.9	140	190	ug/Kg
92-52-4	1,1-Biphenyl	140	U	23.9	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	24.6	140	190	ug/Kg
88-74-4	2-Nitroaniline	140	U	52.7	140	190	ug/Kg
131-11-3	Dimethylphthalate	140	U	29.7	140	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025501.D	1	08/13/25 09:05	08/20/25 09:19	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	140	U	31.7	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	36.8	140	190	ug/Kg
99-09-2	3-Nitroaniline	140	U	50.4	140	190	ug/Kg
83-32-9	Acenaphthene	140	U	23.3	140	190	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	250	300	360	ug/Kg
100-02-7	4-Nitrophenol	300	U	120	300	360	ug/Kg
132-64-9	Dibenzofuran	140	U	24.9	140	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	54.9	140	190	ug/Kg
84-66-2	Diethylphthalate	140	U	31.0	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	29.2	140	190	ug/Kg
86-73-7	Fluorene	140	U	27.7	140	190	ug/Kg
100-01-6	4-Nitroaniline	140	U	70.3	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	300	U	110	300	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	36.0	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	30.5	140	190	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.7	140	190	ug/Kg
1912-24-9	Atrazine	140	U	37.2	140	190	ug/Kg
87-86-5	Pentachlorophenol	300	U	56.2	300	360	ug/Kg
85-01-8	Phenanthrene	140	U	22.9	140	190	ug/Kg
120-12-7	Anthracene	140	U	36.5	140	190	ug/Kg
86-74-8	Carbazole	140	U	34.2	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	52.5	140	190	ug/Kg
206-44-0	Fluoranthene	140	U	32.9	140	190	ug/Kg
129-00-0	Pyrene	140	U	39.4	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	78.2	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	40.2	300	360	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	25.2	140	190	ug/Kg
218-01-9	Chrysene	140	U	21.8	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	64.8	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	300	U	95.1	300	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	20.8	140	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025501.D	1	08/13/25 09:05	08/20/25 09:19	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	24.5	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	32.3	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	31.9	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	30.0	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	28.2	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	28.0	140	190	ug/Kg
123-91-1	1,4-Dioxane	140	U	49.5	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	30.0	140	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	90.8		35 - 115		61%	SPK: 150
13127-88-3	Phenol-d6	92.1		34 - 127		61%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.8		37 - 122		59%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.5		44 - 115		56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	96.7		39 - 132		64%	SPK: 150
1718-51-0	Terphenyl-d14	55.1		54 - 127		55%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	145000	7.784
1146-65-2	Naphthalene-d8	568000	10.554
15067-26-2	Acenaphthene-d10	385000	14.407
1517-22-2	Phenanthrene-d10	796000	17.201
1719-03-5	Chrysene-d12	860000	21.648
1520-96-3	Perylene-d12	921000	25.012

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	AB		4.95	ug/Kg
000119-61-9	Benzophenone	320	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	270	J		18.1	ug/Kg
000110-34-9	Hexadecanoic acid, 2-methylpropyl	160	J		19.4	ug/Kg
000057-11-4	Octadecanoic acid	86.9	J		19.5	ug/Kg
000111-06-8	Hexadecanoic acid, butyl ester	260	J		19.6	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025501.D	1	08/13/25 09:05	08/20/25 09:19	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
000646-13-9	Octadecanoic acid, 2-methylpropyl	88.4	J			20.5	ug/Kg
000123-95-5	Octadecanoic acid, butyl ester	210	J			20.7	ug/Kg
000112-88-9	1-Octadecene	310	J			21.3	ug/Kg
000629-78-7	Heptadecane	82.2	J			21.9	ug/Kg
000297-03-0	Cyclotetracosane	200	J			22.6	ug/Kg
070475-51-3	9-Methylheneicosane	82.5	J			23.3	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-14	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.3
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000
		PH :	
		GPC Cleanup :	N

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025412.D	1	08/13/25 09:05	08/15/25 03:45	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	330	U	190	330	400	ug/Kg
108-95-2	Phenol	160	U	27.1	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	29.8	160	210	ug/Kg
95-57-8	2-Chlorophenol	160	U	29.9	160	210	ug/Kg
95-48-7	2-Methylphenol	160	U	36.7	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	46.0	160	210	ug/Kg
98-86-2	Acetophenone	160	U	36.2	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	330	U	50.4	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	98.1	U	58.1	98.1	98.1	ug/Kg
67-72-1	Hexachloroethane	160	U	21.6	160	210	ug/Kg
98-95-3	Nitrobenzene	160	U	22.4	160	210	ug/Kg
78-59-1	Isophorone	160	U	40.2	160	210	ug/Kg
88-75-5	2-Nitrophenol	160	U	71.4	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	79.5	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	37.8	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	34.7	160	210	ug/Kg
91-20-3	Naphthalene	160	U	27.8	160	210	ug/Kg
106-47-8	4-Chloroaniline	160	U	43.4	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	31.0	160	210	ug/Kg
105-60-2	Caprolactam	330	U	63.9	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	35.2	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	31.4	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	U	140	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	U	24.3	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	35.7	160	210	ug/Kg
92-52-4	1,1-Biphenyl	160	U	26.7	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	27.6	160	210	ug/Kg
88-74-4	2-Nitroaniline	160	U	59.0	160	210	ug/Kg
131-11-3	Dimethylphthalate	160	U	33.2	160	210	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-14	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025412.D	1	08/13/25 09:05	08/15/25 03:45	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	160	U	35.5	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	41.2	160	210	ug/Kg
99-09-2	3-Nitroaniline	160	U	56.4	160	210	ug/Kg
83-32-9	Acenaphthene	160	U	26.1	160	210	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	280	330	400	ug/Kg
100-02-7	4-Nitrophenol	330	U	130	330	400	ug/Kg
132-64-9	Dibenzofuran	160	U	27.8	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	U	61.5	160	210	ug/Kg
84-66-2	Diethylphthalate	160	U	34.7	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	32.8	160	210	ug/Kg
86-73-7	Fluorene	160	U	31.0	160	210	ug/Kg
100-01-6	4-Nitroaniline	160	U	78.8	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	330	U	130	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	40.4	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	34.1	160	210	ug/Kg
118-74-1	Hexachlorobenzene	160	U	31.0	160	210	ug/Kg
1912-24-9	Atrazine	160	U	41.7	160	210	ug/Kg
87-86-5	Pentachlorophenol	330	U	62.9	330	400	ug/Kg
85-01-8	Phenanthrene	160	U	25.6	160	210	ug/Kg
120-12-7	Anthracene	160	U	40.9	160	210	ug/Kg
86-74-8	Carbazole	160	U	38.3	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	58.8	160	210	ug/Kg
206-44-0	Fluoranthene	160	U	36.8	160	210	ug/Kg
129-00-0	Pyrene	160	U	44.2	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	87.6	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	45.0	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	28.2	160	210	ug/Kg
218-01-9	Chrysene	160	U	24.4	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	72.6	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	330	U	110	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	23.3	160	210	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-14	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025412.D	1	08/13/25 09:05	08/15/25 03:45	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	160	U	27.5	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	36.2	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	35.7	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	33.6	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	31.5	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	31.4	160	210	ug/Kg
123-91-1	1,4-Dioxane	160	U	55.4	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	33.6	160	210	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	85.8		35 - 115		57%	SPK: 150
13127-88-3	Phenol-d6	87.1		34 - 127		58%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.5		37 - 122		52%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.6		44 - 115		51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.4		39 - 132		59%	SPK: 150
1718-51-0	Terphenyl-d14	51.5	*	54 - 127		51%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	135000	7.79
1146-65-2	Naphthalene-d8	552000	10.554
15067-26-2	Acenaphthene-d10	388000	14.395
1517-22-2	Phenanthrene-d10	804000	17.189
1719-03-5	Chrysene-d12	864000	21.624
1520-96-3	Perylene-d12	962000	25.001

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1200	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB		4.95	ug/Kg
000119-61-9	Benzophenone	290	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	210	J		18.1	ug/Kg
006385-15-5	Heptafluorobutyric acid, hexadecyl	190	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-14	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025412.D	1	08/13/25 09:05	08/15/25 03:45	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025541.D	2	08/13/25 09:05	08/21/25 15:37	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	610	U	350	610	740	ug/Kg
108-95-2	Phenol	290	U	49.8	290	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	290	U	54.8	290	380	ug/Kg
95-57-8	2-Chlorophenol	290	U	55.0	290	380	ug/Kg
95-48-7	2-Methylphenol	290	U	67.4	290	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	290	U	84.6	290	380	ug/Kg
98-86-2	Acetophenone	290	U	66.5	290	380	ug/Kg
65794-96-9	3+4-Methylphenols	610	U	92.7	610	740	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	110	180	180	ug/Kg
67-72-1	Hexachloroethane	290	U	39.7	290	380	ug/Kg
98-95-3	Nitrobenzene	290	U	41.3	290	380	ug/Kg
78-59-1	Isophorone	290	U	74.0	290	380	ug/Kg
88-75-5	2-Nitrophenol	290	U	130	290	380	ug/Kg
105-67-9	2,4-Dimethylphenol	290	U	150	290	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	290	U	69.5	290	380	ug/Kg
120-83-2	2,4-Dichlorophenol	290	U	63.8	290	380	ug/Kg
91-20-3	Naphthalene	290	U	51.2	290	380	ug/Kg
106-47-8	4-Chloroaniline	290	U	79.8	290	380	ug/Kg
87-68-3	Hexachlorobutadiene	290	U	57.1	290	380	ug/Kg
105-60-2	Caprolactam	610	U	120	610	740	ug/Kg
59-50-7	4-Chloro-3-methylphenol	290	U	64.7	290	380	ug/Kg
91-57-6	2-Methylnaphthalene	290	U	57.7	290	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	610	U	260	610	740	ug/Kg
88-06-2	2,4,6-Trichlorophenol	290	U	44.7	290	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	290	U	65.6	290	380	ug/Kg
92-52-4	1,1-Biphenyl	290	U	49.2	290	380	ug/Kg
91-58-7	2-Chloronaphthalene	290	U	50.7	290	380	ug/Kg
88-74-4	2-Nitroaniline	290	U	110	290	380	ug/Kg
131-11-3	Dimethylphthalate	290	U	61.1	290	380	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025541.D	2	08/13/25 09:05	08/21/25 15:37	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	290	U	65.2	290	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	290	U	75.8	290	380	ug/Kg
99-09-2	3-Nitroaniline	290	U	100	290	380	ug/Kg
83-32-9	Acenaphthene	290	U	48.0	290	380	ug/Kg
51-28-5	2,4-Dinitrophenol	610	U	520	610	740	ug/Kg
100-02-7	4-Nitrophenol	610	U	240	610	740	ug/Kg
132-64-9	Dibenzofuran	290	U	51.2	290	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	290	U	110	290	380	ug/Kg
84-66-2	Diethylphthalate	290	U	63.8	290	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	290	U	60.2	290	380	ug/Kg
86-73-7	Fluorene	290	U	57.1	290	380	ug/Kg
100-01-6	4-Nitroaniline	290	U	140	290	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	610	U	230	610	740	ug/Kg
86-30-6	n-Nitrosodiphenylamine	290	U	74.2	290	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	290	U	62.7	290	380	ug/Kg
118-74-1	Hexachlorobenzene	290	U	57.1	290	380	ug/Kg
1912-24-9	Atrazine	290	U	76.7	290	380	ug/Kg
87-86-5	Pentachlorophenol	610	U	120	610	740	ug/Kg
85-01-8	Phenanthrene	290	U	47.1	290	380	ug/Kg
120-12-7	Anthracene	290	U	75.1	290	380	ug/Kg
86-74-8	Carbazole	290	U	70.4	290	380	ug/Kg
84-74-2	Di-n-butylphthalate	290	U	110	290	380	ug/Kg
206-44-0	Fluoranthene	290	U	67.7	290	380	ug/Kg
129-00-0	Pyrene	290	U	81.2	290	380	ug/Kg
85-68-7	Butylbenzylphthalate	290	U	160	290	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	610	U	82.8	610	740	ug/Kg
56-55-3	Benzo(a)anthracene	290	U	51.9	290	380	ug/Kg
218-01-9	Chrysene	290	U	44.9	290	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	290	U	130	290	380	ug/Kg
117-84-0	Di-n-octyl phthalate	610	U	200	610	740	ug/Kg
205-99-2	Benzo(b)fluoranthene	290	U	42.9	290	380	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.5
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000
		PH :	
		GPC Cleanup :	N

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025541.D	2	08/13/25 09:05	08/21/25 15:37	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	290	U	50.5	290	380	ug/Kg
50-32-8	Benzo(a)pyrene	290	U	66.5	290	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	290	U	65.6	290	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	290	U	61.8	290	380	ug/Kg
191-24-2	Benzo(g,h,i)perylene	290	U	58.0	290	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	57.7	290	380	ug/Kg
123-91-1	1,4-Dioxane	290	U	100	290	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	290	U	61.8	290	380	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	99.3		35 - 115		66%	SPK: 150
13127-88-3	Phenol-d6	95.8		34 - 127		64%	SPK: 150
4165-60-0	Nitrobenzene-d5	70.0		37 - 122		70%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.0		44 - 115		64%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.5		39 - 132		59%	SPK: 150
1718-51-0	Terphenyl-d14	55.5		54 - 127		55%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	242000	7.784
1146-65-2	Naphthalene-d8	874000	10.56
15067-26-2	Acenaphthene-d10	479000	14.395
1517-22-2	Phenanthrene-d10	887000	17.201
1719-03-5	Chrysene-d12	949000	21.654
1520-96-3	Perylene-d12	1100000	25.036

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	440	J		3.04	ug/Kg
017302-27-1	Nonane, 2,5-dimethyl-	600	J		7.71	ug/Kg
031295-56-4	Dodecane, 2,6,11-trimethyl-	450	J		7.87	ug/Kg
017302-32-8	Nonane, 3,7-dimethyl-	440	J		7.98	ug/Kg
013151-35-4	Decane, 5-methyl-	600	J		8.31	ug/Kg
002847-72-5	Decane, 4-methyl-	490	J		8.37	ug/Kg
006975-98-0	Decane, 2-methyl-	650	J		8.45	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025541.D	2	08/13/25 09:05	08/21/25 15:37	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
013151-34-3	Decane, 3-methyl-	790	J			8.55	ug/Kg
001120-21-4	Undecane	1800	J			9.01	ug/Kg
1000309-21-8	Sulfurous acid, cyclohexylmethyl n	420	J			9.10	ug/Kg
	unknown9.137	550	J			9.14	ug/Kg
001632-70-8	Undecane, 5-methyl-	490	J			9.25	ug/Kg
017312-54-8	Decane, 3,7-dimethyl-	470	J			9.42	ug/Kg
002980-69-0	Undecane, 4-methyl-	390	J			9.91	ug/Kg
007045-71-8	Undecane, 2-methyl-	540	J			9.99	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	530	J			10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	1100	J			18.1	ug/Kg
000506-17-2	cis-Vaccenic acid	4200	J			19.3	ug/Kg
000057-11-4	Octadecanoic acid	1300	J			19.5	ug/Kg
001740-19-8	Dehydroabietic acid	570	J			21.3	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-16	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025413.D	1	08/13/25 09:05	08/15/25 04:26	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	310	U	180	310	380	ug/Kg
108-95-2	Phenol	150	U	25.6	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	28.2	150	200	ug/Kg
95-57-8	2-Chlorophenol	150	U	28.3	150	200	ug/Kg
95-48-7	2-Methylphenol	150	U	34.7	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	43.5	150	200	ug/Kg
98-86-2	Acetophenone	150	U	34.2	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	310	U	47.6	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	92.7	U	55.0	92.7	92.7	ug/Kg
67-72-1	Hexachloroethane	150	U	20.4	150	200	ug/Kg
98-95-3	Nitrobenzene	150	U	21.2	150	200	ug/Kg
78-59-1	Isophorone	150	U	38.0	150	200	ug/Kg
88-75-5	2-Nitrophenol	150	U	67.5	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	75.1	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	35.7	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	32.8	150	200	ug/Kg
91-20-3	Naphthalene	150	U	26.3	150	200	ug/Kg
106-47-8	4-Chloroaniline	150	U	41.0	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	29.3	150	200	ug/Kg
105-60-2	Caprolactam	310	U	60.4	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	33.3	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	29.7	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	130	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	23.0	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	33.7	150	200	ug/Kg
92-52-4	1,1-Biphenyl	150	U	25.3	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	26.1	150	200	ug/Kg
88-74-4	2-Nitroaniline	150	U	55.8	150	200	ug/Kg
131-11-3	Dimethylphthalate	150	U	31.4	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-16	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025413.D	1	08/13/25 09:05	08/15/25 04:26	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	33.5	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	39.0	150	200	ug/Kg
99-09-2	3-Nitroaniline	150	U	53.3	150	200	ug/Kg
83-32-9	Acenaphthene	150	U	24.7	150	200	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	270	310	380	ug/Kg
100-02-7	4-Nitrophenol	310	U	120	310	380	ug/Kg
132-64-9	Dibenzofuran	150	U	26.3	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	58.1	150	200	ug/Kg
84-66-2	Diethylphthalate	150	U	32.8	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	31.0	150	200	ug/Kg
86-73-7	Fluorene	150	U	29.3	150	200	ug/Kg
100-01-6	4-Nitroaniline	150	U	74.4	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	310	U	120	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	38.1	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	32.2	150	200	ug/Kg
118-74-1	Hexachlorobenzene	150	U	29.3	150	200	ug/Kg
1912-24-9	Atrazine	150	U	39.4	150	200	ug/Kg
87-86-5	Pentachlorophenol	310	U	59.5	310	380	ug/Kg
85-01-8	Phenanthrene	150	U	24.2	150	200	ug/Kg
120-12-7	Anthracene	150	U	38.6	150	200	ug/Kg
86-74-8	Carbazole	150	U	36.2	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	55.5	150	200	ug/Kg
206-44-0	Fluoranthene	150	U	34.8	150	200	ug/Kg
129-00-0	Pyrene	150	U	41.7	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	82.8	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	42.5	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	26.7	150	200	ug/Kg
218-01-9	Chrysene	150	U	23.1	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	68.6	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	310	U	100	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	22.0	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-16	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025413.D	1	08/13/25 09:05	08/15/25 04:26	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	26.0	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	34.2	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	33.7	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	31.8	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	29.8	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	29.7	150	200	ug/Kg
123-91-1	1,4-Dioxane	150	U	52.4	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	31.8	150	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	75.3		35 - 115		50%	SPK: 150
13127-88-3	Phenol-d6	76.1		34 - 127		51%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.3		37 - 122		46%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.8		44 - 115		47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	81.5		39 - 132		54%	SPK: 150
1718-51-0	Terphenyl-d14	45.2	*	54 - 127		45%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	128000	7.796
1146-65-2	Naphthalene-d8	501000	10.56
15067-26-2	Acenaphthene-d10	337000	14.407
1517-22-2	Phenanthrene-d10	710000	17.195
1719-03-5	Chrysene-d12	831000	21.63
1520-96-3	Perylene-d12	927000	24.989

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	980	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	AB		4.96	ug/Kg
000119-61-9	Benzophenone	230	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	190	J		18.1	ug/Kg
000295-65-8	Cyclohexadecane	90.0	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-16	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025413.D	1	08/13/25 09:05	08/15/25 04:26	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-17	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025414.D	1	08/13/25 09:05	08/15/25 05:07	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	330	U	190	330	400	ug/Kg
108-95-2	Phenol	160	U	26.7	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	29.4	160	210	ug/Kg
95-57-8	2-Chlorophenol	160	U	29.5	160	210	ug/Kg
95-48-7	2-Methylphenol	160	U	36.1	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	45.3	160	210	ug/Kg
98-86-2	Acetophenone	160	U	35.6	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	330	U	49.6	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	96.6	U	57.3	96.6	96.6	ug/Kg
67-72-1	Hexachloroethane	160	U	21.3	160	210	ug/Kg
98-95-3	Nitrobenzene	160	U	22.1	160	210	ug/Kg
78-59-1	Isophorone	160	U	39.6	160	210	ug/Kg
88-75-5	2-Nitrophenol	160	U	70.3	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	78.3	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	37.2	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	34.2	160	210	ug/Kg
91-20-3	Naphthalene	160	U	27.4	160	210	ug/Kg
106-47-8	4-Chloroaniline	160	U	42.8	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	30.6	160	210	ug/Kg
105-60-2	Caprolactam	330	U	62.9	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	34.7	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	30.9	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	U	140	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	U	23.9	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	35.1	160	210	ug/Kg
92-52-4	1,1-Biphenyl	160	U	26.3	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	27.2	160	210	ug/Kg
88-74-4	2-Nitroaniline	160	U	58.1	160	210	ug/Kg
131-11-3	Dimethylphthalate	160	U	32.7	160	210	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-17	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025414.D	1	08/13/25 09:05	08/15/25 05:07	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	160	U	34.9	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	40.6	160	210	ug/Kg
99-09-2	3-Nitroaniline	160	U	55.6	160	210	ug/Kg
83-32-9	Acenaphthene	160	U	25.7	160	210	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	280	330	400	ug/Kg
100-02-7	4-Nitrophenol	330	U	130	330	400	ug/Kg
132-64-9	Dibenzofuran	160	U	27.4	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	U	60.5	160	210	ug/Kg
84-66-2	Diethylphthalate	160	U	34.2	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	32.2	160	210	ug/Kg
86-73-7	Fluorene	160	U	30.6	160	210	ug/Kg
100-01-6	4-Nitroaniline	160	U	77.5	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	330	U	120	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	39.7	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	33.6	160	210	ug/Kg
118-74-1	Hexachlorobenzene	160	U	30.6	160	210	ug/Kg
1912-24-9	Atrazine	160	U	41.1	160	210	ug/Kg
87-86-5	Pentachlorophenol	330	U	62.0	330	400	ug/Kg
85-01-8	Phenanthrene	160	U	25.2	160	210	ug/Kg
120-12-7	Anthracene	160	U	40.2	160	210	ug/Kg
86-74-8	Carbazole	160	U	37.7	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	57.9	160	210	ug/Kg
206-44-0	Fluoranthene	160	U	36.2	160	210	ug/Kg
129-00-0	Pyrene	160	U	43.5	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	86.2	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	44.3	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	27.8	160	210	ug/Kg
218-01-9	Chrysene	160	U	24.0	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	71.5	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	330	U	100	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	22.9	160	210	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-17	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025414.D	1	08/13/25 09:05	08/15/25 05:07	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	160	U	27.1	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	35.6	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	35.1	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	33.1	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	31.0	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	30.9	160	210	ug/Kg
123-91-1	1,4-Dioxane	160	U	54.6	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	33.1	160	210	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	106		35 - 115		71%	SPK: 150
13127-88-3	Phenol-d6	106		34 - 127		70%	SPK: 150
4165-60-0	Nitrobenzene-d5	66.0		37 - 122		66%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.5		44 - 115		62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	111		39 - 132		74%	SPK: 150
1718-51-0	Terphenyl-d14	58.5		54 - 127		58%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	140000	7.79
1146-65-2	Naphthalene-d8	556000	10.56
15067-26-2	Acenaphthene-d10	371000	14.395
1517-22-2	Phenanthrene-d10	798000	17.195
1719-03-5	Chrysene-d12	894000	21.636
1520-96-3	Perylene-d12	1030000	25.001

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1400	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	AB		4.95	ug/Kg
000119-61-9	Benzophenone	260	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	180	J		18.1	ug/Kg
074685-30-6	5-Eicosene, (E)-	170	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-17	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025414.D	1	08/13/25 09:05	08/15/25 05:07	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-18	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025417.D	1	08/13/25 09:05	08/15/25 07:10	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	310	U	180	310	380	ug/Kg
108-95-2	Phenol	150	U	25.6	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	28.1	150	200	ug/Kg
95-57-8	2-Chlorophenol	150	U	28.2	150	200	ug/Kg
95-48-7	2-Methylphenol	150	U	34.6	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	43.4	150	200	ug/Kg
98-86-2	Acetophenone	150	U	34.1	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	310	U	47.6	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	92.6	U	54.9	92.6	92.6	ug/Kg
67-72-1	Hexachloroethane	150	U	20.4	150	200	ug/Kg
98-95-3	Nitrobenzene	150	U	21.2	150	200	ug/Kg
78-59-1	Isophorone	150	U	38.0	150	200	ug/Kg
88-75-5	2-Nitrophenol	150	U	67.3	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	75.0	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	35.6	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	32.7	150	200	ug/Kg
91-20-3	Naphthalene	150	U	26.3	150	200	ug/Kg
106-47-8	4-Chloroaniline	150	U	41.0	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	29.3	150	200	ug/Kg
105-60-2	Caprolactam	310	U	60.3	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	33.2	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	29.6	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	130	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.9	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	33.7	150	200	ug/Kg
92-52-4	1,1-Biphenyl	150	U	25.2	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	26.0	150	200	ug/Kg
88-74-4	2-Nitroaniline	150	U	55.7	150	200	ug/Kg
131-11-3	Dimethylphthalate	150	U	31.4	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-18	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025417.D	1	08/13/25 09:05	08/15/25 07:10	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	33.4	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	38.9	150	200	ug/Kg
99-09-2	3-Nitroaniline	150	U	53.2	150	200	ug/Kg
83-32-9	Acenaphthene	150	U	24.6	150	200	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	270	310	380	ug/Kg
100-02-7	4-Nitrophenol	310	U	120	310	380	ug/Kg
132-64-9	Dibenzofuran	150	U	26.3	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	58.0	150	200	ug/Kg
84-66-2	Diethylphthalate	150	U	32.7	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.9	150	200	ug/Kg
86-73-7	Fluorene	150	U	29.3	150	200	ug/Kg
100-01-6	4-Nitroaniline	150	U	74.3	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	310	U	120	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	38.1	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	32.2	150	200	ug/Kg
118-74-1	Hexachlorobenzene	150	U	29.3	150	200	ug/Kg
1912-24-9	Atrazine	150	U	39.3	150	200	ug/Kg
87-86-5	Pentachlorophenol	310	U	59.4	310	380	ug/Kg
85-01-8	Phenanthrene	150	U	24.2	150	200	ug/Kg
120-12-7	Anthracene	150	U	38.5	150	200	ug/Kg
86-74-8	Carbazole	150	U	36.1	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	55.4	150	200	ug/Kg
206-44-0	Fluoranthene	150	U	34.7	150	200	ug/Kg
129-00-0	Pyrene	150	U	41.7	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	82.6	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	42.5	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	26.6	150	200	ug/Kg
218-01-9	Chrysene	150	U	23.0	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	68.5	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	310	U	100	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	22.0	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-18	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025417.D	1	08/13/25 09:05	08/15/25 07:10	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.9	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	34.1	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	33.7	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	31.7	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	29.7	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	29.6	150	200	ug/Kg
123-91-1	1,4-Dioxane	150	U	52.3	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	31.7	150	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	81.1		35 - 115		54%	SPK: 150
13127-88-3	Phenol-d6	82.1		34 - 127		55%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.9		37 - 122		52%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.5		44 - 115		48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	87.7		39 - 132		58%	SPK: 150
1718-51-0	Terphenyl-d14	47.8	*	54 - 127		48%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	145000	7.79
1146-65-2	Naphthalene-d8	575000	10.555
15067-26-2	Acenaphthene-d10	395000	14.396
1517-22-2	Phenanthrene-d10	835000	17.201
1719-03-5	Chrysene-d12	934000	21.636
1520-96-3	Perylene-d12	1040000	25.001

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1300	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	200	AB		4.95	ug/Kg
000119-61-9	Benzophenone	270	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	150	J		18.1	ug/Kg
1000406-04-6	Pentadecafluorooctanoic acid, hexa	150	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-18	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025417.D	1	08/13/25 09:05	08/15/25 07:10	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-19	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025418.D	1	08/13/25 09:05	08/15/25 07:51	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	300	U	180	300	370	ug/Kg
108-95-2	Phenol	150	U	24.9	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.4	150	190	ug/Kg
95-57-8	2-Chlorophenol	150	U	27.5	150	190	ug/Kg
95-48-7	2-Methylphenol	150	U	33.7	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	42.2	150	190	ug/Kg
98-86-2	Acetophenone	150	U	33.2	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	300	U	46.3	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	90.1	U	53.4	90.1	90.1	ug/Kg
67-72-1	Hexachloroethane	150	U	19.8	150	190	ug/Kg
98-95-3	Nitrobenzene	150	U	20.6	150	190	ug/Kg
78-59-1	Isophorone	150	U	36.9	150	190	ug/Kg
88-75-5	2-Nitrophenol	150	U	65.5	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	72.9	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	34.7	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	31.9	150	190	ug/Kg
91-20-3	Naphthalene	150	U	25.6	150	190	ug/Kg
106-47-8	4-Chloroaniline	150	U	39.8	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	28.5	150	190	ug/Kg
105-60-2	Caprolactam	300	U	58.6	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	32.3	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	28.8	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	U	130	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.3	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	32.8	150	190	ug/Kg
92-52-4	1,1-Biphenyl	150	U	24.5	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.3	150	190	ug/Kg
88-74-4	2-Nitroaniline	150	U	54.1	150	190	ug/Kg
131-11-3	Dimethylphthalate	150	U	30.5	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-19	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025418.D	1	08/13/25 09:05	08/15/25 07:51	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	32.5	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	37.8	150	190	ug/Kg
99-09-2	3-Nitroaniline	150	U	51.8	150	190	ug/Kg
83-32-9	Acenaphthene	150	U	24.0	150	190	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	260	300	370	ug/Kg
100-02-7	4-Nitrophenol	300	U	120	300	370	ug/Kg
132-64-9	Dibenzofuran	150	U	25.6	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	56.4	150	190	ug/Kg
84-66-2	Diethylphthalate	150	U	31.9	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.1	150	190	ug/Kg
86-73-7	Fluorene	150	U	28.5	150	190	ug/Kg
100-01-6	4-Nitroaniline	150	U	72.3	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	300	U	120	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	37.0	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	31.3	150	190	ug/Kg
118-74-1	Hexachlorobenzene	150	U	28.5	150	190	ug/Kg
1912-24-9	Atrazine	150	U	38.3	150	190	ug/Kg
87-86-5	Pentachlorophenol	300	U	57.7	300	370	ug/Kg
85-01-8	Phenanthrene	150	U	23.5	150	190	ug/Kg
120-12-7	Anthracene	150	U	37.5	150	190	ug/Kg
86-74-8	Carbazole	150	U	35.1	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	53.9	150	190	ug/Kg
206-44-0	Fluoranthene	150	U	33.8	150	190	ug/Kg
129-00-0	Pyrene	150	U	40.5	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	80.4	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	41.3	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	25.9	150	190	ug/Kg
218-01-9	Chrysene	150	U	22.4	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	66.6	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	300	U	97.7	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.4	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-19	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025418.D	1	08/13/25 09:05	08/15/25 07:51	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.2	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.2	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	32.8	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	30.8	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	28.9	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	28.8	150	190	ug/Kg
123-91-1	1,4-Dioxane	150	U	50.9	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	30.8	150	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	74.2		35 - 115		49%	SPK: 150
13127-88-3	Phenol-d6	75.7		34 - 127		50%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.5		37 - 122		48%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.2	*	44 - 115		41%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.9		39 - 132		49%	SPK: 150
1718-51-0	Terphenyl-d14	41.2	*	54 - 127		41%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	147000	7.79
1146-65-2	Naphthalene-d8	584000	10.56
15067-26-2	Acenaphthene-d10	401000	14.395
1517-22-2	Phenanthrene-d10	830000	17.189
1719-03-5	Chrysene-d12	924000	21.636
1520-96-3	Perylene-d12	1030000	24.989

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	990	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	AB		4.95	ug/Kg
000119-61-9	Benzophenone	210	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	96.8	J		18.1	ug/Kg
010192-32-2	1-Tetracosene	140	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-19	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025418.D	1	08/13/25 09:05	08/15/25 07:51	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-WRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-19RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025481.D	1	08/13/25 09:05	08/19/25 18:17	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	300	U	180	300	370	ug/Kg
108-95-2	Phenol	150	U	24.9	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.4	150	190	ug/Kg
95-57-8	2-Chlorophenol	150	U	27.5	150	190	ug/Kg
95-48-7	2-Methylphenol	150	U	33.7	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	42.2	150	190	ug/Kg
98-86-2	Acetophenone	150	U	33.2	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	300	U	46.3	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	90.1	U	53.4	90.1	90.1	ug/Kg
67-72-1	Hexachloroethane	150	U	19.8	150	190	ug/Kg
98-95-3	Nitrobenzene	150	U	20.6	150	190	ug/Kg
78-59-1	Isophorone	150	U	36.9	150	190	ug/Kg
88-75-5	2-Nitrophenol	150	U	65.5	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	72.9	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	34.7	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	31.9	150	190	ug/Kg
91-20-3	Naphthalene	150	U	25.6	150	190	ug/Kg
106-47-8	4-Chloroaniline	150	U	39.8	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	28.5	150	190	ug/Kg
105-60-2	Caprolactam	300	U	58.6	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	32.3	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	28.8	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	U	130	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.3	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	32.8	150	190	ug/Kg
92-52-4	1,1-Biphenyl	150	U	24.5	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.3	150	190	ug/Kg
88-74-4	2-Nitroaniline	150	U	54.1	150	190	ug/Kg
131-11-3	Dimethylphthalate	150	U	30.5	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-WRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-19RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025481.D	1	08/13/25 09:05	08/19/25 18:17	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	32.5	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	37.8	150	190	ug/Kg
99-09-2	3-Nitroaniline	150	U	51.8	150	190	ug/Kg
83-32-9	Acenaphthene	150	U	24.0	150	190	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	260	300	370	ug/Kg
100-02-7	4-Nitrophenol	300	U	120	300	370	ug/Kg
132-64-9	Dibenzofuran	150	U	25.6	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	56.4	150	190	ug/Kg
84-66-2	Diethylphthalate	150	U	31.9	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.1	150	190	ug/Kg
86-73-7	Fluorene	150	U	28.5	150	190	ug/Kg
100-01-6	4-Nitroaniline	150	U	72.3	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	300	U	120	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	37.0	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	31.3	150	190	ug/Kg
118-74-1	Hexachlorobenzene	150	U	28.5	150	190	ug/Kg
1912-24-9	Atrazine	150	U	38.3	150	190	ug/Kg
87-86-5	Pentachlorophenol	300	U	57.7	300	370	ug/Kg
85-01-8	Phenanthrene	150	U	23.5	150	190	ug/Kg
120-12-7	Anthracene	150	U	37.5	150	190	ug/Kg
86-74-8	Carbazole	150	U	35.1	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	53.9	150	190	ug/Kg
206-44-0	Fluoranthene	150	U	33.8	150	190	ug/Kg
129-00-0	Pyrene	150	U	40.5	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	80.4	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	41.3	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	25.9	150	190	ug/Kg
218-01-9	Chrysene	150	U	22.4	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	66.6	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	300	U	97.7	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.4	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-WRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-19RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025481.D	1	08/13/25 09:05	08/19/25 18:17	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.2	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.2	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	32.8	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	30.8	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	28.9	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	28.8	150	190	ug/Kg
123-91-1	1,4-Dioxane	150	U	50.9	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	30.8	150	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	76.4		35 - 115		51%	SPK: 150
13127-88-3	Phenol-d6	75.2		34 - 127		50%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.9		37 - 122		47%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.3	*	44 - 115		41%	SPK: 100
118-79-6	2,4,6-Tribromophenol	74.0		39 - 132		49%	SPK: 150
1718-51-0	Terphenyl-d14	41.9	*	54 - 127		42%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	191000	7.79
1146-65-2	Naphthalene-d8	749000	10.554
15067-26-2	Acenaphthene-d10	501000	14.407
1517-22-2	Phenanthrene-d10	1060000	17.201
1719-03-5	Chrysene-d12	1170000	21.642
1520-96-3	Perylene-d12	1280000	25.007

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025419.D	1	08/13/25 09:05	08/15/25 08:32	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	320	U	180	320	390	ug/Kg
108-95-2	Phenol	150	U	26.1	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	28.7	150	200	ug/Kg
95-57-8	2-Chlorophenol	150	U	28.8	150	200	ug/Kg
95-48-7	2-Methylphenol	150	U	35.3	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	44.3	150	200	ug/Kg
98-86-2	Acetophenone	150	U	34.8	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	320	U	48.5	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	94.5	U	56.0	94.5	94.5	ug/Kg
67-72-1	Hexachloroethane	150	U	20.8	150	200	ug/Kg
98-95-3	Nitrobenzene	150	U	21.6	150	200	ug/Kg
78-59-1	Isophorone	150	U	38.7	150	200	ug/Kg
88-75-5	2-Nitrophenol	150	U	68.7	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	76.5	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	36.4	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	33.4	150	200	ug/Kg
91-20-3	Naphthalene	150	U	26.8	150	200	ug/Kg
106-47-8	4-Chloroaniline	150	U	41.8	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	29.9	150	200	ug/Kg
105-60-2	Caprolactam	320	U	61.5	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	33.9	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	30.2	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	320	U	140	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	23.4	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	34.4	150	200	ug/Kg
92-52-4	1,1-Biphenyl	150	U	25.7	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	26.6	150	200	ug/Kg
88-74-4	2-Nitroaniline	150	U	56.8	150	200	ug/Kg
131-11-3	Dimethylphthalate	150	U	32.0	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025419.D	1	08/13/25 09:05	08/15/25 08:32	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	34.1	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	39.7	150	200	ug/Kg
99-09-2	3-Nitroaniline	150	U	54.3	150	200	ug/Kg
83-32-9	Acenaphthene	150	U	25.2	150	200	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	270	320	390	ug/Kg
100-02-7	4-Nitrophenol	320	U	130	320	390	ug/Kg
132-64-9	Dibenzofuran	150	U	26.8	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	59.2	150	200	ug/Kg
84-66-2	Diethylphthalate	150	U	33.4	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	31.5	150	200	ug/Kg
86-73-7	Fluorene	150	U	29.9	150	200	ug/Kg
100-01-6	4-Nitroaniline	150	U	75.8	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	320	U	120	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	38.9	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	32.8	150	200	ug/Kg
118-74-1	Hexachlorobenzene	150	U	29.9	150	200	ug/Kg
1912-24-9	Atrazine	150	U	40.1	150	200	ug/Kg
87-86-5	Pentachlorophenol	320	U	60.6	320	390	ug/Kg
85-01-8	Phenanthrene	150	U	24.7	150	200	ug/Kg
120-12-7	Anthracene	150	U	39.3	150	200	ug/Kg
86-74-8	Carbazole	150	U	36.8	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	56.6	150	200	ug/Kg
206-44-0	Fluoranthene	150	U	35.4	150	200	ug/Kg
129-00-0	Pyrene	150	U	42.5	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	84.3	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	43.3	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	27.2	150	200	ug/Kg
218-01-9	Chrysene	150	U	23.5	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	69.9	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	320	U	100	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	22.4	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025419.D	1	08/13/25 09:05	08/15/25 08:32	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	26.5	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	34.8	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	34.4	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	32.4	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	30.3	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	30.2	150	200	ug/Kg
123-91-1	1,4-Dioxane	150	U	53.4	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	32.4	150	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	55.6		35 - 115		37%	SPK: 150
13127-88-3	Phenol-d6	55.5		34 - 127		37%	SPK: 150
4165-60-0	Nitrobenzene-d5	34.0	*	37 - 122		34%	SPK: 100
321-60-8	2-Fluorobiphenyl	30.7	*	44 - 115		31%	SPK: 100
118-79-6	2,4,6-Tribromophenol	55.1	*	39 - 132		37%	SPK: 150
1718-51-0	Terphenyl-d14	29.9	*	54 - 127		30%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	150000	7.79
1146-65-2	Naphthalene-d8	599000	10.56
15067-26-2	Acenaphthene-d10	391000	14.401
1517-22-2	Phenanthrene-d10	834000	17.201
1719-03-5	Chrysene-d12	954000	21.642
1520-96-3	Perylene-d12	1070000	25.006

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	770	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	130	AB		4.95	ug/Kg
000119-61-9	Benzophenone	190	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	96.8	J		18.1	ug/Kg
006971-40-0	17-Pentatriacontene	120	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025419.D	1	08/13/25 09:05	08/15/25 08:32	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-20RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025482.D	1	08/13/25 09:05	08/19/25 18:58	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	320	U	180	320	390	ug/Kg
108-95-2	Phenol	150	U	26.1	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	28.7	150	200	ug/Kg
95-57-8	2-Chlorophenol	150	U	28.8	150	200	ug/Kg
95-48-7	2-Methylphenol	150	U	35.3	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	44.3	150	200	ug/Kg
98-86-2	Acetophenone	150	U	34.8	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	320	U	48.5	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	94.5	U	56.0	94.5	94.5	ug/Kg
67-72-1	Hexachloroethane	150	U	20.8	150	200	ug/Kg
98-95-3	Nitrobenzene	150	U	21.6	150	200	ug/Kg
78-59-1	Isophorone	150	U	38.7	150	200	ug/Kg
88-75-5	2-Nitrophenol	150	U	68.7	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	76.5	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	36.4	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	33.4	150	200	ug/Kg
91-20-3	Naphthalene	150	U	26.8	150	200	ug/Kg
106-47-8	4-Chloroaniline	150	U	41.8	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	29.9	150	200	ug/Kg
105-60-2	Caprolactam	320	U	61.5	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	33.9	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	30.2	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	320	U	140	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	23.4	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	34.4	150	200	ug/Kg
92-52-4	1,1-Biphenyl	150	U	25.7	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	26.6	150	200	ug/Kg
88-74-4	2-Nitroaniline	150	U	56.8	150	200	ug/Kg
131-11-3	Dimethylphthalate	150	U	32.0	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-20RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025482.D	1	08/13/25 09:05	08/19/25 18:58	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	34.1	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	39.7	150	200	ug/Kg
99-09-2	3-Nitroaniline	150	U	54.3	150	200	ug/Kg
83-32-9	Acenaphthene	150	U	25.2	150	200	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	270	320	390	ug/Kg
100-02-7	4-Nitrophenol	320	U	130	320	390	ug/Kg
132-64-9	Dibenzofuran	150	U	26.8	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	59.2	150	200	ug/Kg
84-66-2	Diethylphthalate	150	U	33.4	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	31.5	150	200	ug/Kg
86-73-7	Fluorene	150	U	29.9	150	200	ug/Kg
100-01-6	4-Nitroaniline	150	U	75.8	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	320	U	120	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	38.9	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	32.8	150	200	ug/Kg
118-74-1	Hexachlorobenzene	150	U	29.9	150	200	ug/Kg
1912-24-9	Atrazine	150	U	40.1	150	200	ug/Kg
87-86-5	Pentachlorophenol	320	U	60.6	320	390	ug/Kg
85-01-8	Phenanthrene	150	U	24.7	150	200	ug/Kg
120-12-7	Anthracene	150	U	39.3	150	200	ug/Kg
86-74-8	Carbazole	150	U	36.8	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	56.6	150	200	ug/Kg
206-44-0	Fluoranthene	150	U	35.4	150	200	ug/Kg
129-00-0	Pyrene	150	U	42.5	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	84.3	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	43.3	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	27.2	150	200	ug/Kg
218-01-9	Chrysene	150	U	23.5	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	69.9	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	320	U	100	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	22.4	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-20RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025482.D	1	08/13/25 09:05	08/19/25 18:58	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	26.5	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	34.8	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	34.4	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	32.4	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	30.3	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	30.2	150	200	ug/Kg
123-91-1	1,4-Dioxane	150	U	53.4	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	32.4	150	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	56.2		35 - 115		37%	SPK: 150
13127-88-3	Phenol-d6	56.1		34 - 127		37%	SPK: 150
4165-60-0	Nitrobenzene-d5	34.4	*	37 - 122		34%	SPK: 100
321-60-8	2-Fluorobiphenyl	29.8	*	44 - 115		30%	SPK: 100
118-79-6	2,4,6-Tribromophenol	57.6	*	39 - 132		38%	SPK: 150
1718-51-0	Terphenyl-d14	30.4	*	54 - 127		30%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	155000	7.784
1146-65-2	Naphthalene-d8	610000	10.554
15067-26-2	Acenaphthene-d10	414000	14.395
1517-22-2	Phenanthrene-d10	942000	17.189
1719-03-5	Chrysene-d12	1110000	21.63
1520-96-3	Perylene-d12	1190000	25.001

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-21	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025410.D	1	08/13/25 09:05	08/15/25 02:22	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	290	U	170	290	360	ug/Kg
108-95-2	Phenol	140	U	23.9	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	26.3	140	180	ug/Kg
95-57-8	2-Chlorophenol	140	U	26.4	140	180	ug/Kg
95-48-7	2-Methylphenol	140	U	32.4	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	40.6	140	180	ug/Kg
98-86-2	Acetophenone	140	U	31.9	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	290	U	44.5	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	86.6	U	51.3	86.6	86.6	ug/Kg
67-72-1	Hexachloroethane	140	U	19.1	140	180	ug/Kg
98-95-3	Nitrobenzene	140	U	19.8	140	180	ug/Kg
78-59-1	Isophorone	140	U	35.5	140	180	ug/Kg
88-75-5	2-Nitrophenol	140	U	63.0	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	70.2	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	33.4	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	30.6	140	180	ug/Kg
91-20-3	Naphthalene	140	U	24.6	140	180	ug/Kg
106-47-8	4-Chloroaniline	140	U	38.3	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.4	140	180	ug/Kg
105-60-2	Caprolactam	290	U	56.4	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	31.1	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	27.7	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	130	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	21.4	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	31.5	140	180	ug/Kg
92-52-4	1,1-Biphenyl	140	U	23.6	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	24.4	140	180	ug/Kg
88-74-4	2-Nitroaniline	140	U	52.1	140	180	ug/Kg
131-11-3	Dimethylphthalate	140	U	29.3	140	180	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-21	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025410.D	1	08/13/25 09:05	08/15/25 02:22	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	140	U	31.3	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	36.4	140	180	ug/Kg
99-09-2	3-Nitroaniline	140	U	49.8	140	180	ug/Kg
83-32-9	Acenaphthene	140	U	23.1	140	180	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	250	290	360	ug/Kg
100-02-7	4-Nitrophenol	290	U	120	290	360	ug/Kg
132-64-9	Dibenzofuran	140	U	24.6	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	54.2	140	180	ug/Kg
84-66-2	Diethylphthalate	140	U	30.6	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	28.9	140	180	ug/Kg
86-73-7	Fluorene	140	U	27.4	140	180	ug/Kg
100-01-6	4-Nitroaniline	140	U	69.5	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	290	U	110	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	35.6	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	30.1	140	180	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.4	140	180	ug/Kg
1912-24-9	Atrazine	140	U	36.8	140	180	ug/Kg
87-86-5	Pentachlorophenol	290	U	55.5	290	360	ug/Kg
85-01-8	Phenanthrene	140	U	22.6	140	180	ug/Kg
120-12-7	Anthracene	140	U	36.1	140	180	ug/Kg
86-74-8	Carbazole	140	U	33.8	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	51.9	140	180	ug/Kg
206-44-0	Fluoranthene	140	U	32.5	140	180	ug/Kg
129-00-0	Pyrene	140	U	39.0	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	77.3	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	290	U	39.7	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	24.9	140	180	ug/Kg
218-01-9	Chrysene	140	U	21.5	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	64.1	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	290	U	94.0	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	20.6	140	180	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-21	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025410.D	1	08/13/25 09:05	08/15/25 02:22	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	24.3	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	31.9	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	31.5	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	29.7	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	27.8	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	27.7	140	180	ug/Kg
123-91-1	1,4-Dioxane	140	U	48.9	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	29.7	140	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	70.5		35 - 115		47%	SPK: 150
13127-88-3	Phenol-d6	70.7		34 - 127		47%	SPK: 150
4165-60-0	Nitrobenzene-d5	43.4		37 - 122		43%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.0	*	44 - 115		40%	SPK: 100
118-79-6	2,4,6-Tribromophenol	71.3		39 - 132		48%	SPK: 150
1718-51-0	Terphenyl-d14	38.7	*	54 - 127		39%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	132000	7.79
1146-65-2	Naphthalene-d8	525000	10.56
15067-26-2	Acenaphthene-d10	351000	14.395
1517-22-2	Phenanthrene-d10	741000	17.195
1719-03-5	Chrysene-d12	857000	21.636
1520-96-3	Perylene-d12	991000	25.006

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	910	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	150	AB		4.95	ug/Kg
000119-61-9	Benzophenone	190	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	99.3	J		18.1	ug/Kg
1000406-04-8	Pentadecafluorooctanoic acid, octa	120	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-21	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025410.D	1	08/13/25 09:05	08/15/25 02:22	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-NRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-21RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025434.D	1	08/13/25 09:05	08/15/25 19:40	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	290	U	170	290	360	ug/Kg
108-95-2	Phenol	140	U	23.9	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	26.3	140	180	ug/Kg
95-57-8	2-Chlorophenol	140	U	26.4	140	180	ug/Kg
95-48-7	2-Methylphenol	140	U	32.4	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	40.6	140	180	ug/Kg
98-86-2	Acetophenone	140	U	31.9	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	290	U	44.5	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	86.6	U	51.3	86.6	86.6	ug/Kg
67-72-1	Hexachloroethane	140	U	19.1	140	180	ug/Kg
98-95-3	Nitrobenzene	140	U	19.8	140	180	ug/Kg
78-59-1	Isophorone	140	U	35.5	140	180	ug/Kg
88-75-5	2-Nitrophenol	140	U	63.0	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	70.2	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	33.4	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	30.6	140	180	ug/Kg
91-20-3	Naphthalene	140	U	24.6	140	180	ug/Kg
106-47-8	4-Chloroaniline	140	U	38.3	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.4	140	180	ug/Kg
105-60-2	Caprolactam	290	U	56.4	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	31.1	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	27.7	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	130	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	21.4	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	31.5	140	180	ug/Kg
92-52-4	1,1-Biphenyl	140	U	23.6	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	24.4	140	180	ug/Kg
88-74-4	2-Nitroaniline	140	U	52.1	140	180	ug/Kg
131-11-3	Dimethylphthalate	140	U	29.3	140	180	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-NRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-21RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025434.D	1	08/13/25 09:05	08/15/25 19:40	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	140	U	31.3	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	36.4	140	180	ug/Kg
99-09-2	3-Nitroaniline	140	U	49.8	140	180	ug/Kg
83-32-9	Acenaphthene	140	U	23.1	140	180	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	250	290	360	ug/Kg
100-02-7	4-Nitrophenol	290	U	120	290	360	ug/Kg
132-64-9	Dibenzofuran	140	U	24.6	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	54.2	140	180	ug/Kg
84-66-2	Diethylphthalate	140	U	30.6	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	28.9	140	180	ug/Kg
86-73-7	Fluorene	140	U	27.4	140	180	ug/Kg
100-01-6	4-Nitroaniline	140	U	69.5	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	290	U	110	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	35.6	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	30.1	140	180	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.4	140	180	ug/Kg
1912-24-9	Atrazine	140	U	36.8	140	180	ug/Kg
87-86-5	Pentachlorophenol	290	U	55.5	290	360	ug/Kg
85-01-8	Phenanthrene	140	U	22.6	140	180	ug/Kg
120-12-7	Anthracene	140	U	36.1	140	180	ug/Kg
86-74-8	Carbazole	140	U	33.8	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	51.9	140	180	ug/Kg
206-44-0	Fluoranthene	140	U	32.5	140	180	ug/Kg
129-00-0	Pyrene	140	U	39.0	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	77.3	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	290	U	39.7	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	24.9	140	180	ug/Kg
218-01-9	Chrysene	140	U	21.5	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	64.1	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	290	U	94.0	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	20.6	140	180	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-NRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-21RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025434.D	1	08/13/25 09:05	08/15/25 19:40	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	24.3	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	31.9	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	31.5	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	29.7	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	27.8	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	27.7	140	180	ug/Kg
123-91-1	1,4-Dioxane	140	U	48.9	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	29.7	140	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	69.0		35 - 115		46%	SPK: 150
13127-88-3	Phenol-d6	70.8		34 - 127		47%	SPK: 150
4165-60-0	Nitrobenzene-d5	43.4		37 - 122		43%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.4	*	44 - 115		40%	SPK: 100
118-79-6	2,4,6-Tribromophenol	71.3		39 - 132		48%	SPK: 150
1718-51-0	Terphenyl-d14	41.2	*	54 - 127		41%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	155000	7.79				
1146-65-2	Naphthalene-d8	642000	10.554				
15067-26-2	Acenaphthene-d10	416000	14.395				
1517-22-2	Phenanthrene-d10	867000	17.189				
1719-03-5	Chrysene-d12	930000	21.618				
1520-96-3	Perylene-d12	1040000	24.989				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025411.D	1	08/13/25 09:05	08/15/25 03:03	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	510	U	290	510	620	ug/Kg
108-95-2	Phenol	250	U	41.7	250	320	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	250	U	45.9	250	320	ug/Kg
95-57-8	2-Chlorophenol	250	U	46.1	250	320	ug/Kg
95-48-7	2-Methylphenol	250	U	56.5	250	320	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	250	U	70.8	250	320	ug/Kg
98-86-2	Acetophenone	250	U	55.7	250	320	ug/Kg
65794-96-9	3+4-Methylphenols	510	U	77.6	510	620	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	89.5	150	150	ug/Kg
67-72-1	Hexachloroethane	250	U	33.2	250	320	ug/Kg
98-95-3	Nitrobenzene	250	U	34.6	250	320	ug/Kg
78-59-1	Isophorone	250	U	62.0	250	320	ug/Kg
88-75-5	2-Nitrophenol	250	U	110	250	320	ug/Kg
105-67-9	2,4-Dimethylphenol	250	U	120	250	320	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	250	U	58.2	250	320	ug/Kg
120-83-2	2,4-Dichlorophenol	250	U	53.5	250	320	ug/Kg
91-20-3	Naphthalene	250	U	42.9	250	320	ug/Kg
106-47-8	4-Chloroaniline	250	U	66.9	250	320	ug/Kg
87-68-3	Hexachlorobutadiene	250	U	47.8	250	320	ug/Kg
105-60-2	Caprolactam	510	U	98.4	510	620	ug/Kg
59-50-7	4-Chloro-3-methylphenol	250	U	54.2	250	320	ug/Kg
91-57-6	2-Methylnaphthalene	250	U	48.4	250	320	ug/Kg
77-47-4	Hexachlorocyclopentadiene	510	U	220	510	620	ug/Kg
88-06-2	2,4,6-Trichlorophenol	250	U	37.4	250	320	ug/Kg
95-95-4	2,4,5-Trichlorophenol	250	U	55.0	250	320	ug/Kg
92-52-4	1,1-Biphenyl	250	U	41.2	250	320	ug/Kg
91-58-7	2-Chloronaphthalene	250	U	42.5	250	320	ug/Kg
88-74-4	2-Nitroaniline	250	U	90.9	250	320	ug/Kg
131-11-3	Dimethylphthalate	250	U	51.2	250	320	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025411.D	1	08/13/25 09:05	08/15/25 03:03	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	250	U	54.6	250	320	ug/Kg
606-20-2	2,6-Dinitrotoluene	250	U	63.5	250	320	ug/Kg
99-09-2	3-Nitroaniline	250	U	86.9	250	320	ug/Kg
83-32-9	Acenaphthene	250	U	40.2	250	320	ug/Kg
51-28-5	2,4-Dinitrophenol	510	U	430	510	620	ug/Kg
100-02-7	4-Nitrophenol	510	U	200	510	620	ug/Kg
132-64-9	Dibenzofuran	250	U	42.9	250	320	ug/Kg
121-14-2	2,4-Dinitrotoluene	250	U	94.6	250	320	ug/Kg
84-66-2	Diethylphthalate	250	U	53.5	250	320	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	250	U	50.4	250	320	ug/Kg
86-73-7	Fluorene	250	U	47.8	250	320	ug/Kg
100-01-6	4-Nitroaniline	250	U	120	250	320	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	510	U	190	510	620	ug/Kg
86-30-6	n-Nitrosodiphenylamine	250	U	62.2	250	320	ug/Kg
101-55-3	4-Bromophenyl-phenylether	250	U	52.5	250	320	ug/Kg
118-74-1	Hexachlorobenzene	250	U	47.8	250	320	ug/Kg
1912-24-9	Atrazine	250	U	64.2	250	320	ug/Kg
87-86-5	Pentachlorophenol	510	U	96.9	510	620	ug/Kg
85-01-8	Phenanthrene	250	U	39.5	250	320	ug/Kg
120-12-7	Anthracene	250	U	62.9	250	320	ug/Kg
86-74-8	Carbazole	250	U	58.9	250	320	ug/Kg
84-74-2	Di-n-butylphthalate	250	U	90.5	250	320	ug/Kg
206-44-0	Fluoranthene	250	U	56.7	250	320	ug/Kg
129-00-0	Pyrene	250	U	68.0	250	320	ug/Kg
85-68-7	Butylbenzylphthalate	250	U	130	250	320	ug/Kg
91-94-1	3,3-Dichlorobenzidine	510	U	69.3	510	620	ug/Kg
56-55-3	Benzo(a)anthracene	250	U	43.4	250	320	ug/Kg
218-01-9	Chrysene	250	U	37.6	250	320	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	250	U	110	250	320	ug/Kg
117-84-0	Di-n-octyl phthalate	510	U	160	510	620	ug/Kg
205-99-2	Benzo(b)fluoranthene	250	U	35.9	250	320	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025411.D	1	08/13/25 09:05	08/15/25 03:03	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	250	U	42.3	250	320	ug/Kg
50-32-8	Benzo(a)pyrene	250	U	55.7	250	320	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	55.0	250	320	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	250	U	51.8	250	320	ug/Kg
191-24-2	Benzo(g,h,i)perylene	250	U	48.5	250	320	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	48.4	250	320	ug/Kg
123-91-1	1,4-Dioxane	250	U	85.4	250	320	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	51.8	250	320	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	75.3		35 - 115		50%	SPK: 150
13127-88-3	Phenol-d6	74.0		34 - 127		49%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.4		37 - 122		48%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.7	*	44 - 115		42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	76.8		39 - 132		51%	SPK: 150
1718-51-0	Terphenyl-d14	37.9	*	54 - 127		38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	135000	7.79
1146-65-2	Naphthalene-d8	523000	10.555
15067-26-2	Acenaphthene-d10	345000	14.396
1517-22-2	Phenanthrene-d10	728000	17.189
1719-03-5	Chrysene-d12	862000	21.63
1520-96-3	Perylene-d12	1000000	24.995

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2000	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	290	AB		4.95	ug/Kg
000119-61-9	Benzophenone	410	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	210	J		18.1	ug/Kg
018835-33-1	1-Hexacosene	360	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025411.D	1	08/13/25 09:05	08/15/25 03:03	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-WRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-22RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025435.D	1	08/13/25 09:05	08/15/25 20:21	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	510	U	290	510	620	ug/Kg
108-95-2	Phenol	250	U	41.7	250	320	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	250	U	45.9	250	320	ug/Kg
95-57-8	2-Chlorophenol	250	U	46.1	250	320	ug/Kg
95-48-7	2-Methylphenol	250	U	56.5	250	320	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	250	U	70.8	250	320	ug/Kg
98-86-2	Acetophenone	250	U	55.7	250	320	ug/Kg
65794-96-9	3+4-Methylphenols	510	U	77.6	510	620	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	89.5	150	150	ug/Kg
67-72-1	Hexachloroethane	250	U	33.2	250	320	ug/Kg
98-95-3	Nitrobenzene	250	U	34.6	250	320	ug/Kg
78-59-1	Isophorone	250	U	62.0	250	320	ug/Kg
88-75-5	2-Nitrophenol	250	U	110	250	320	ug/Kg
105-67-9	2,4-Dimethylphenol	250	U	120	250	320	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	250	U	58.2	250	320	ug/Kg
120-83-2	2,4-Dichlorophenol	250	U	53.5	250	320	ug/Kg
91-20-3	Naphthalene	250	U	42.9	250	320	ug/Kg
106-47-8	4-Chloroaniline	250	U	66.9	250	320	ug/Kg
87-68-3	Hexachlorobutadiene	250	U	47.8	250	320	ug/Kg
105-60-2	Caprolactam	510	U	98.4	510	620	ug/Kg
59-50-7	4-Chloro-3-methylphenol	250	U	54.2	250	320	ug/Kg
91-57-6	2-Methylnaphthalene	250	U	48.4	250	320	ug/Kg
77-47-4	Hexachlorocyclopentadiene	510	U	220	510	620	ug/Kg
88-06-2	2,4,6-Trichlorophenol	250	U	37.4	250	320	ug/Kg
95-95-4	2,4,5-Trichlorophenol	250	U	55.0	250	320	ug/Kg
92-52-4	1,1-Biphenyl	250	U	41.2	250	320	ug/Kg
91-58-7	2-Chloronaphthalene	250	U	42.5	250	320	ug/Kg
88-74-4	2-Nitroaniline	250	U	90.9	250	320	ug/Kg
131-11-3	Dimethylphthalate	250	U	51.2	250	320	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-WRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-22RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025435.D	1	08/13/25 09:05	08/15/25 20:21	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	250	U	54.6	250	320	ug/Kg
606-20-2	2,6-Dinitrotoluene	250	U	63.5	250	320	ug/Kg
99-09-2	3-Nitroaniline	250	U	86.9	250	320	ug/Kg
83-32-9	Acenaphthene	250	U	40.2	250	320	ug/Kg
51-28-5	2,4-Dinitrophenol	510	U	430	510	620	ug/Kg
100-02-7	4-Nitrophenol	510	U	200	510	620	ug/Kg
132-64-9	Dibenzofuran	250	U	42.9	250	320	ug/Kg
121-14-2	2,4-Dinitrotoluene	250	U	94.6	250	320	ug/Kg
84-66-2	Diethylphthalate	250	U	53.5	250	320	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	250	U	50.4	250	320	ug/Kg
86-73-7	Fluorene	250	U	47.8	250	320	ug/Kg
100-01-6	4-Nitroaniline	250	U	120	250	320	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	510	U	190	510	620	ug/Kg
86-30-6	n-Nitrosodiphenylamine	250	U	62.2	250	320	ug/Kg
101-55-3	4-Bromophenyl-phenylether	250	U	52.5	250	320	ug/Kg
118-74-1	Hexachlorobenzene	250	U	47.8	250	320	ug/Kg
1912-24-9	Atrazine	250	U	64.2	250	320	ug/Kg
87-86-5	Pentachlorophenol	510	U	96.9	510	620	ug/Kg
85-01-8	Phenanthrene	250	U	39.5	250	320	ug/Kg
120-12-7	Anthracene	250	U	62.9	250	320	ug/Kg
86-74-8	Carbazole	250	U	58.9	250	320	ug/Kg
84-74-2	Di-n-butylphthalate	250	U	90.5	250	320	ug/Kg
206-44-0	Fluoranthene	250	U	56.7	250	320	ug/Kg
129-00-0	Pyrene	250	U	68.0	250	320	ug/Kg
85-68-7	Butylbenzylphthalate	250	U	130	250	320	ug/Kg
91-94-1	3,3-Dichlorobenzidine	510	U	69.3	510	620	ug/Kg
56-55-3	Benzo(a)anthracene	250	U	43.4	250	320	ug/Kg
218-01-9	Chrysene	250	U	37.6	250	320	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	250	U	110	250	320	ug/Kg
117-84-0	Di-n-octyl phthalate	510	U	160	510	620	ug/Kg
205-99-2	Benzo(b)fluoranthene	250	U	35.9	250	320	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-WRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-22RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025435.D	1	08/13/25 09:05	08/15/25 20:21	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	250	U	42.3	250	320	ug/Kg
50-32-8	Benzo(a)pyrene	250	U	55.7	250	320	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	55.0	250	320	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	250	U	51.8	250	320	ug/Kg
191-24-2	Benzo(g,h,i)perylene	250	U	48.5	250	320	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	48.4	250	320	ug/Kg
123-91-1	1,4-Dioxane	250	U	85.4	250	320	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	51.8	250	320	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	76.0		35 - 115		51%	SPK: 150
13127-88-3	Phenol-d6	78.0		34 - 127		52%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.9		37 - 122		48%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.2	*	44 - 115		41%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.5		39 - 132		49%	SPK: 150
1718-51-0	Terphenyl-d14	39.8	*	54 - 127		40%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	156000	7.79				
1146-65-2	Naphthalene-d8	656000	10.56				
15067-26-2	Acenaphthene-d10	438000	14.395				
1517-22-2	Phenanthrene-d10	898000	17.189				
1719-03-5	Chrysene-d12	904000	21.636				
1520-96-3	Perylene-d12	1010000	25.012				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	34
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025523.D	1	08/14/25 08:40	08/21/25 01:56	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	790	U	460	790	970	ug/Kg
108-95-2	Phenol	380	U	64.8	380	500	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	380	U	71.3	380	500	ug/Kg
95-57-8	2-Chlorophenol	380	U	71.6	380	500	ug/Kg
95-48-7	2-Methylphenol	380	U	87.7	380	500	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	380	U	110	380	500	ug/Kg
98-86-2	Acetophenone	380	U	86.6	380	500	ug/Kg
65794-96-9	3+4-Methylphenols	790	U	120	790	970	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	230	U	140	230	230	ug/Kg
67-72-1	Hexachloroethane	380	U	51.6	380	500	ug/Kg
98-95-3	Nitrobenzene	380	U	53.7	380	500	ug/Kg
78-59-1	Isophorone	380	U	96.2	380	500	ug/Kg
88-75-5	2-Nitrophenol	380	U	170	380	500	ug/Kg
105-67-9	2,4-Dimethylphenol	380	U	190	380	500	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	380	U	90.4	380	500	ug/Kg
120-83-2	2,4-Dichlorophenol	380	U	83.0	380	500	ug/Kg
91-20-3	Naphthalene	380	U	66.6	380	500	ug/Kg
106-47-8	4-Chloroaniline	380	U	100	380	500	ug/Kg
87-68-3	Hexachlorobutadiene	380	U	74.2	380	500	ug/Kg
105-60-2	Caprolactam	790	U	150	790	970	ug/Kg
59-50-7	4-Chloro-3-methylphenol	380	U	84.2	380	500	ug/Kg
91-57-6	2-Methylnaphthalene	380	U	75.1	380	500	ug/Kg
77-47-4	Hexachlorocyclopentadiene	790	U	340	790	970	ug/Kg
88-06-2	2,4,6-Trichlorophenol	380	U	58.1	380	500	ug/Kg
95-95-4	2,4,5-Trichlorophenol	380	U	85.4	380	500	ug/Kg
92-52-4	1,1-Biphenyl	380	U	64.0	380	500	ug/Kg
91-58-7	2-Chloronaphthalene	380	U	66.0	380	500	ug/Kg
88-74-4	2-Nitroaniline	380	U	140	380	500	ug/Kg
131-11-3	Dimethylphthalate	380	U	79.5	380	500	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	34
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025523.D	1	08/14/25 08:40	08/21/25 01:56	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	380	U	84.8	380	500	ug/Kg
606-20-2	2,6-Dinitrotoluene	380	U	98.6	380	500	ug/Kg
99-09-2	3-Nitroaniline	380	U	130	380	500	ug/Kg
83-32-9	Acenaphthene	380	U	62.5	380	500	ug/Kg
51-28-5	2,4-Dinitrophenol	790	U	670	790	970	ug/Kg
100-02-7	4-Nitrophenol	790	U	310	790	970	ug/Kg
132-64-9	Dibenzofuran	380	U	66.6	380	500	ug/Kg
121-14-2	2,4-Dinitrotoluene	380	U	150	380	500	ug/Kg
84-66-2	Diethylphthalate	380	U	83.0	380	500	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	380	U	78.3	380	500	ug/Kg
86-73-7	Fluorene	380	U	74.2	380	500	ug/Kg
100-01-6	4-Nitroaniline	380	U	190	380	500	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	790	U	300	790	970	ug/Kg
86-30-6	n-Nitrosodiphenylamine	380	U	96.5	380	500	ug/Kg
101-55-3	4-Bromophenyl-phenylether	380	U	81.6	380	500	ug/Kg
118-74-1	Hexachlorobenzene	380	U	74.2	380	500	ug/Kg
1912-24-9	Atrazine	380	U	99.8	380	500	ug/Kg
87-86-5	Pentachlorophenol	790	U	150	790	970	ug/Kg
85-01-8	Phenanthrene	380	U	61.3	380	500	ug/Kg
120-12-7	Anthracene	380	U	97.7	380	500	ug/Kg
86-74-8	Carbazole	380	U	91.6	380	500	ug/Kg
84-74-2	Di-n-butylphthalate	380	U	140	380	500	ug/Kg
206-44-0	Fluoranthene	380	U	88.0	380	500	ug/Kg
129-00-0	Pyrene	380	U	110	380	500	ug/Kg
85-68-7	Butylbenzylphthalate	380	U	210	380	500	ug/Kg
91-94-1	3,3-Dichlorobenzidine	790	U	110	790	970	ug/Kg
56-55-3	Benzo(a)anthracene	380	U	67.5	380	500	ug/Kg
218-01-9	Chrysene	380	U	58.4	380	500	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	380	U	170	380	500	ug/Kg
117-84-0	Di-n-octyl phthalate	790	U	250	790	970	ug/Kg
205-99-2	Benzo(b)fluoranthene	380	U	55.8	380	500	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	34
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025523.D	1	08/14/25 08:40	08/21/25 01:56	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	380	U	65.7	380	500	ug/Kg
50-32-8	Benzo(a)pyrene	380	U	86.6	380	500	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	380	U	85.4	380	500	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	380	U	80.4	380	500	ug/Kg
191-24-2	Benzo(g,h,i)perylene	380	U	75.4	380	500	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	380	U	75.1	380	500	ug/Kg
123-91-1	1,4-Dioxane	380	UQ	130	380	500	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	380	U	80.4	380	500	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	80.7		35 - 115		54%	SPK: 150
13127-88-3	Phenol-d6	77.1		34 - 127		51%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.0		37 - 122		54%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.6		44 - 115		46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	77.9		39 - 132		52%	SPK: 150
1718-51-0	Terphenyl-d14	37.8	*	54 - 127		38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	171000	7.784
1146-65-2	Naphthalene-d8	650000	10.555
15067-26-2	Acenaphthene-d10	384000	14.401
1517-22-2	Phenanthrene-d10	762000	17.195
1719-03-5	Chrysene-d12	898000	21.63
1520-96-3	Perylene-d12	1030000	24.989

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	3000	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	470	AB		4.95	ug/Kg
000119-61-9	Benzophenone	710	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	640	J		18.1	ug/Kg
000110-34-9	Hexadecanoic acid, 2-methylpropyl	440	JB		19.4	ug/Kg
000111-06-8	Hexadecanoic acid, butyl ester	560	JB		19.6	ug/Kg
000646-13-9	Octadecanoic acid, 2-methylpropyl	230	J		20.5	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	34
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025523.D	1	08/14/25 08:40	08/21/25 01:56	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
000123-95-5	Octadecanoic acid, butyl ester	460	JB			20.7	ug/Kg
077899-03-7	1-Heneicosyl formate	770	J			21.3	ug/Kg
000629-97-0	Docosane	200	J			21.9	ug/Kg
000593-45-3	Octadecane	300	J			22.5	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143520.D	1	08/14/25 08:40	08/21/25 10:20	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	300	U	180	300	370	ug/Kg
108-95-2	Phenol	150	U	24.8	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.3	150	190	ug/Kg
95-57-8	2-Chlorophenol	150	U	27.4	150	190	ug/Kg
95-48-7	2-Methylphenol	150	U	33.6	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	42.1	150	190	ug/Kg
98-86-2	Acetophenone	150	U	33.1	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	300	U	46.1	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	89.8	U	53.2	89.8	89.8	ug/Kg
67-72-1	Hexachloroethane	150	U	19.8	150	190	ug/Kg
98-95-3	Nitrobenzene	150	U	20.5	150	190	ug/Kg
78-59-1	Isophorone	150	U	36.8	150	190	ug/Kg
88-75-5	2-Nitrophenol	150	U	65.3	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	72.8	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	34.6	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	31.8	150	190	ug/Kg
91-20-3	Naphthalene	150	U	25.5	150	190	ug/Kg
106-47-8	4-Chloroaniline	150	U	39.7	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	28.4	150	190	ug/Kg
105-60-2	Caprolactam	300	U	58.5	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	32.2	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	28.7	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	U	130	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.2	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	32.7	150	190	ug/Kg
92-52-4	1,1-Biphenyl	150	U	24.5	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.3	150	190	ug/Kg
88-74-4	2-Nitroaniline	150	U	54.0	150	190	ug/Kg
131-11-3	Dimethylphthalate	150	U	30.4	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143520.D	1	08/14/25 08:40	08/21/25 10:20	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	32.5	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	37.7	150	190	ug/Kg
99-09-2	3-Nitroaniline	150	U	51.7	150	190	ug/Kg
83-32-9	Acenaphthene	150	U	23.9	150	190	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	260	300	370	ug/Kg
100-02-7	4-Nitrophenol	300	U	120	300	370	ug/Kg
132-64-9	Dibenzofuran	150	U	25.5	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	56.3	150	190	ug/Kg
84-66-2	Diethylphthalate	150	U	31.8	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.0	150	190	ug/Kg
86-73-7	Fluorene	150	U	28.4	150	190	ug/Kg
100-01-6	4-Nitroaniline	150	U	72.1	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	300	U	120	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	36.9	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	31.2	150	190	ug/Kg
118-74-1	Hexachlorobenzene	150	U	28.4	150	190	ug/Kg
1912-24-9	Atrazine	150	U	38.2	150	190	ug/Kg
87-86-5	Pentachlorophenol	300	U	57.6	300	370	ug/Kg
85-01-8	Phenanthrene	150	U	23.5	150	190	ug/Kg
120-12-7	Anthracene	150	U	37.4	150	190	ug/Kg
86-74-8	Carbazole	150	U	35.0	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	53.8	150	190	ug/Kg
206-44-0	Fluoranthene	150	U	33.7	150	190	ug/Kg
129-00-0	Pyrene	110	J	40.4	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	80.2	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	41.2	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	25.8	150	190	ug/Kg
218-01-9	Chrysene	150	U	22.3	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	66.5	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	300	U	97.5	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.3	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143520.D	1	08/14/25 08:40	08/21/25 10:20	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.2	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.1	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	32.7	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	30.8	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	28.9	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	28.7	150	190	ug/Kg
123-91-1	1,4-Dioxane	150	UQ	50.8	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	30.8	150	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	62.6		35 - 115		42%	SPK: 150
13127-88-3	Phenol-d6	67.2		34 - 127		45%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.6		37 - 122		57%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.5		44 - 115		52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	58.6		39 - 132		39%	SPK: 150
1718-51-0	Terphenyl-d14	37.8	*	54 - 127		38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	141000	6.928
1146-65-2	Naphthalene-d8	461000	8.21
15067-26-2	Acenaphthene-d10	219000	9.975
1517-22-2	Phenanthrene-d10	311000	11.463
1719-03-5	Chrysene-d12	256000	14.098
1520-96-3	Perylene-d12	303000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	620	J		2.26	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	630	J		8.28	ug/Kg
	unknown8.504	670	J		8.50	ug/Kg
062108-25-2	Decane, 2,6,7-trimethyl-	1700	J		8.63	ug/Kg
000629-50-5	Tridecane	480	J		8.80	ug/Kg
007098-22-8	Tetratetracontane	520	J		8.90	ug/Kg
1000382-90-5	Carbonic acid, decyl prop-1-en-2-y	530	J		9.09	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143520.D	1	08/14/25 08:40	08/21/25 10:20	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
001560-96-9	Tridecane, 2-methyl-	660	J			9.17	ug/Kg
006418-41-3	Tridecane, 3-methyl-	920	J			9.21	ug/Kg
	unknown9.375	3900	J			9.38	ug/Kg
1000309-14-4	Sulfurous acid, pentyl undecyl est	5900	J			9.69	ug/Kg
035507-09-6	7-Hexadecene, (Z)-	750	J			9.85	ug/Kg
1000282-04-8	Methoxyacetic acid, 2-tetradecyl e	2800	J			10.2	ug/Kg
000829-26-5	Naphthalene, 2,3,6-trimethyl-	950	J			10.3	ug/Kg
006975-98-0	Decane, 2-methyl-	3600	J			10.6	ug/Kg
026730-12-1	Tridecane, 4-methyl-	5500	J			10.9	ug/Kg
000629-78-7	Heptadecane	3200	J			11.4	ug/Kg
026429-11-8	Heptadecane, 4-methyl-	1500	J			11.7	ug/Kg
001576-67-6	Phenanthrene, 3,6-dimethyl-	750	J			12.4	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	550	J			12.5	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

LAB CHRONICLE

OrderID:	Q2820	OrderDate:	8/11/2025 12:29:00 PM
Client:	First Environment, Inc.	Project:	USACE018-44 DOD
Contact:	Al Smith	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2820-01	82H-S	SOIL	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/13/25	08/08/25
Q2820-01RE	82H-SRE	SOIL	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/15/25	08/08/25
Q2820-02	82H-W	SOIL	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/13/25	08/08/25
Q2820-03	82H-N	SOIL	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/13/25	08/08/25
Q2820-04	SOIL-DUP-1	SOIL	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/13/25	08/08/25
Q2820-05	518R-E	SOIL	SVOC-TCL BNA -20	8270E	08/07/25	08/12/25	08/13/25	08/08/25
Q2820-06	518R-N	SOIL	SVOC-TCL BNA -20	8270E	08/07/25	08/12/25	08/13/25	08/08/25
Q2820-07	518R-S	SOIL	SVOC-TCL BNA -20	8270E	08/07/25	08/12/25	08/13/25	08/08/25
Q2820-07RE	518R-SRE	SOIL	SVOC-TCL BNA -20	8270E	08/07/25	08/12/25	08/15/25	08/08/25
Q2820-08	518R-W	SOIL	SVOC-TCL BNA -20	8270E	08/07/25	08/12/25	08/13/25	08/08/25
Q2820-09	705R-S	SOIL	SVOC-TCL BNA -20	8270E	08/07/25	08/12/25	08/13/25	08/08/25
Q2820-10	SOIL-DUP-2	SOIL			08/07/25			08/08/25

LAB CHRONICLE

			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-11	10PC-W	SOIL			08/07/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-12	10PC-S	SOIL			08/07/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/21/25	
Q2820-13	10P-W	SOIL			08/07/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/20/25	
Q2820-14	10P-E	SOIL			08/07/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-15	10P-S	SOIL			08/07/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/21/25	
Q2820-16	10P-N	SOIL			08/07/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-17	88H-E	SOIL			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-18	88H-N	SOIL			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-19	88H-W	SOIL			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-19RE	88H-WRE	SOIL			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/19/25	
Q2820-20	88H-S	SOIL			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-20RE	88H-SRE	SOIL			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/19/25	
Q2820-21	22M-N	SOIL			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-21RE	22M-NRE	SOIL			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	

LAB CHRONICLE

Q2820-22	22M-W	SOIL			08/08/25		08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25
Q2820-22RE	22M-WRE	SOIL			08/08/25		08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25
Q2820-23	22M-E	SOIL			08/08/25		08/08/25
			SVOC-TCL BNA -20	8270E		08/14/25	08/21/25
Q2820-24	22M-S	SOIL			08/08/25		08/08/25
			SVOC-TCL BNA -20	8270E		08/14/25	08/21/25

Hit Summary Sheet SW-846

SDG No.: Q2820

Order ID: Q2820

Client: First Environment, Inc.

Project ID: USACE018-44 DOD

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : 705R-S									
Q2820-09	705R-S	SOIL	4,4-DDE	1.40	J	0.25	0.59	3.00	ug/kg
Q2820-09	705R-S	SOIL	4,4-DDD	4.30		0.27	0.59	3.00	ug/kg
Total Concentration:				5.700					
Client ID : 705R-SRE									
Q2820-09RE	705R-SRE	SOIL	4,4-DDE	1.40	J	0.25	0.59	3.00	ug/kg
Q2820-09RE	705R-SRE	SOIL	4,4-DDD	4.30		0.27	0.59	3.00	ug/kg
Total Concentration:				5.700					
Client ID : SOIL-DUP-2									
Q2820-10	SOIL-DUP-2	SOIL	4,4-DDE	0.61	J	0.29	0.68	3.50	ug/kg
Q2820-10	SOIL-DUP-2	SOIL	4,4-DDD	1.50	J	0.31	0.68	3.50	ug/kg
Total Concentration:				2.110					
Client ID : 22M-S									
Q2820-24	22M-S	SOIL	Heptachlor epoxide	1.10	JP	0.21	0.93	1.90	ug/kg
Q2820-24	22M-S	SOIL	alpha-Chlordane	3.00	P	0.13	0.37	1.90	ug/kg
Q2820-24	22M-S	SOIL	gamma-Chlordane	1.40	J	0.17	0.37	1.90	ug/kg
Total Concentration:				5.500					



SAMPLE DATA

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	55.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089896.D	1	08/12/25 08:16	08/14/25 14:41	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.59	U	0.23	0.59	3.00	ug/kg
319-85-7	beta-BHC	1.50	U	0.32	1.50	3.00	ug/kg
319-86-8	delta-BHC	1.50	U	0.70	1.50	3.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.59	U	0.25	0.59	3.00	ug/kg
76-44-8	Heptachlor	0.59	U	0.21	0.59	3.00	ug/kg
309-00-2	Aldrin	0.59	U	0.21	0.59	3.00	ug/kg
1024-57-3	Heptachlor epoxide	1.50	U	0.34	1.50	3.00	ug/kg
959-98-8	Endosulfan I	0.59	U	0.25	0.59	3.00	ug/kg
60-57-1	Dieldrin	0.59	U	0.25	0.59	3.00	ug/kg
72-55-9	4,4-DDE	1.40	J	0.25	0.59	3.00	ug/kg
72-20-8	Endrin	0.59	U	0.25	0.59	3.00	ug/kg
33213-65-9	Endosulfan II	1.50	U	0.52	1.50	3.00	ug/kg
72-54-8	4,4-DDD	4.30		0.27	0.59	3.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.59	U	0.23	0.59	3.00	ug/kg
50-29-3	4,4-DDT	0.59	U	0.25	0.59	3.00	ug/kg
72-43-5	Methoxychlor	1.50	U	0.66	1.50	3.00	ug/kg
53494-70-5	Endrin ketone	1.50	U	0.34	1.50	3.00	ug/kg
7421-93-4	Endrin aldehyde	1.50	U	0.66	1.50	3.00	ug/kg
5103-71-9	alpha-Chlordane	0.59	U	0.21	0.59	3.00	ug/kg
5103-74-2	gamma-Chlordane	0.59	U	0.27	0.59	3.00	ug/kg
8001-35-2	Toxaphene	30.4	U	9.70	30.4	59.0	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	8.67	*	55 - 130		43%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.1		42 - 129		86%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	55.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089896.D	1	08/12/25 08:16	08/14/25 14:41	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Comments:

U = Not Detected	J = Estimated Value
LOQ = Limit of Quantitation	B = Analyte Found in Associated Method Blank
MDL = Method Detection Limit	N = Presumptive Evidence of a Compound
LOD = Limit of Detection	* = Values outside of QC limits
E = Value Exceeds Calibration Range	D = Dilution
P = Indicates >25% difference for detected concentrations between the two GC columns	S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
Q = indicates LCS control criteria did not meet requirements	() = Laboratory InHouse Limit
M = MS/MSD acceptance criteria did not meet requirements	

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-09RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	55.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089910.D	1	08/12/25 08:16	08/15/25 11:02	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.59	U	0.23	0.59	3.00	ug/kg
319-85-7	beta-BHC	1.50	U	0.32	1.50	3.00	ug/kg
319-86-8	delta-BHC	1.50	U	0.70	1.50	3.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.59	U	0.25	0.59	3.00	ug/kg
76-44-8	Heptachlor	0.59	U	0.21	0.59	3.00	ug/kg
309-00-2	Aldrin	0.59	U	0.21	0.59	3.00	ug/kg
1024-57-3	Heptachlor epoxide	1.50	U	0.34	1.50	3.00	ug/kg
959-98-8	Endosulfan I	0.59	U	0.25	0.59	3.00	ug/kg
60-57-1	Dieldrin	0.59	U	0.25	0.59	3.00	ug/kg
72-55-9	4,4-DDE	1.40	J	0.25	0.59	3.00	ug/kg
72-20-8	Endrin	0.59	U	0.25	0.59	3.00	ug/kg
33213-65-9	Endosulfan II	1.50	U	0.52	1.50	3.00	ug/kg
72-54-8	4,4-DDD	4.30		0.27	0.59	3.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.59	U	0.23	0.59	3.00	ug/kg
50-29-3	4,4-DDT	0.59	U	0.25	0.59	3.00	ug/kg
72-43-5	Methoxychlor	1.50	U	0.66	1.50	3.00	ug/kg
53494-70-5	Endrin ketone	1.50	U	0.34	1.50	3.00	ug/kg
7421-93-4	Endrin aldehyde	1.50	U	0.66	1.50	3.00	ug/kg
5103-71-9	alpha-Chlordane	0.59	U	0.21	0.59	3.00	ug/kg
5103-74-2	gamma-Chlordane	0.59	U	0.27	0.59	3.00	ug/kg
8001-35-2	Toxaphene	30.4	U	9.70	30.4	59.0	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	8.54	*	55 - 130		43%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.3		42 - 129		87%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-09RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	55.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089910.D	1	08/12/25 08:16	08/15/25 11:02	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	48.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089897.D	1	08/12/25 08:16	08/14/25 14:55	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.68	U	0.27	0.68	3.50	ug/kg
319-85-7	beta-BHC	1.70	U	0.37	1.70	3.50	ug/kg
319-86-8	delta-BHC	1.70	U	0.80	1.70	3.50	ug/kg
58-89-9	gamma-BHC (Lindane)	0.68	U	0.29	0.68	3.50	ug/kg
76-44-8	Heptachlor	0.68	U	0.25	0.68	3.50	ug/kg
309-00-2	Aldrin	0.68	U	0.25	0.68	3.50	ug/kg
1024-57-3	Heptachlor epoxide	1.70	U	0.39	1.70	3.50	ug/kg
959-98-8	Endosulfan I	0.68	U	0.29	0.68	3.50	ug/kg
60-57-1	Dieldrin	0.68	U	0.29	0.68	3.50	ug/kg
72-55-9	4,4-DDE	0.61	J	0.29	0.68	3.50	ug/kg
72-20-8	Endrin	0.68	U	0.29	0.68	3.50	ug/kg
33213-65-9	Endosulfan II	1.70	U	0.60	1.70	3.50	ug/kg
72-54-8	4,4-DDD	1.50	J	0.31	0.68	3.50	ug/kg
1031-07-8	Endosulfan Sulfate	0.68	U	0.27	0.68	3.50	ug/kg
50-29-3	4,4-DDT	0.68	U	0.29	0.68	3.50	ug/kg
72-43-5	Methoxychlor	1.70	U	0.76	1.70	3.50	ug/kg
53494-70-5	Endrin ketone	1.70	U	0.39	1.70	3.50	ug/kg
7421-93-4	Endrin aldehyde	1.70	U	0.76	1.70	3.50	ug/kg
5103-71-9	alpha-Chlordane	0.68	U	0.25	0.68	3.50	ug/kg
5103-74-2	gamma-Chlordane	0.68	U	0.31	0.68	3.50	ug/kg
8001-35-2	Toxaphene	35.0	U	11.1	35.0	68.0	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	18.3		55 - 130		91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.6		42 - 129		118%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.			Date Collected:	08/07/25	
Project:	USACE018-44 DOD			Date Received:	08/08/25	
Client Sample ID:	SOIL-DUP-2			SDG No.:	Q2820	
Lab Sample ID:	Q2820-10			Matrix:	SOIL	
Analytical Method:	8081B			% Solid:	48.4	Decanted:
Sample Wt/Vol:	30.09	Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				
Prep Method :	SW3541B					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089897.D	1	08/12/25 08:16	08/14/25 14:55	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089898.D	1	08/12/25 08:16	08/14/25 15:09	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.37	U	0.15	0.37	1.90	ug/kg
319-85-7	beta-BHC	0.93	U	0.20	0.93	1.90	ug/kg
319-86-8	delta-BHC	0.93	U	0.44	0.93	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.37	U	0.16	0.37	1.90	ug/kg
76-44-8	Heptachlor	0.37	U	0.13	0.37	1.90	ug/kg
309-00-2	Aldrin	0.37	U	0.13	0.37	1.90	ug/kg
1024-57-3	Heptachlor epoxide	1.10	JP	0.21	0.93	1.90	ug/kg
959-98-8	Endosulfan I	0.37	U	0.16	0.37	1.90	ug/kg
60-57-1	Dieldrin	0.37	U	0.16	0.37	1.90	ug/kg
72-55-9	4,4-DDE	0.37	U	0.16	0.37	1.90	ug/kg
72-20-8	Endrin	0.37	U	0.16	0.37	1.90	ug/kg
33213-65-9	Endosulfan II	0.93	U	0.33	0.93	1.90	ug/kg
72-54-8	4,4-DDD	0.37	U	0.17	0.37	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.37	U	0.15	0.37	1.90	ug/kg
50-29-3	4,4-DDT	0.37	U	0.16	0.37	1.90	ug/kg
72-43-5	Methoxychlor	0.93	U	0.42	0.93	1.90	ug/kg
53494-70-5	Endrin ketone	0.93	U	0.21	0.93	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.93	U	0.42	0.93	1.90	ug/kg
5103-71-9	alpha-Chlordane	3.00	P	0.13	0.37	1.90	ug/kg
5103-74-2	gamma-Chlordane	1.40	J	0.17	0.37	1.90	ug/kg
8001-35-2	Toxaphene	19.1	U	6.10	19.1	37.1	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	19.8		55 - 130		99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.6		42 - 129		58%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089898.D	1	08/12/25 08:16	08/14/25 15:09	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

LAB CHRONICLE

OrderID:	Q2820	OrderDate:	8/11/2025 12:29:00 PM
Client:	First Environment, Inc.	Project:	USACE018-44 DOD
Contact:	Al Smith	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2820-09	705R-S	SOIL	PCB	8082A	08/07/25	08/12/25	08/13/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/14/25	
Q2820-09RE	705R-SRE	SOIL	Pesticide-TCL	8081B	08/07/25	08/12/25	08/15/25	08/08/25
Q2820-10	SOIL-DUP-2	SOIL	PCB	8082A	08/07/25	08/12/25	08/12/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/14/25	
Q2820-24	22M-S	SOIL	PCB	8082A	08/08/25	08/12/25	08/12/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/14/25	

Hit Summary Sheet
SW-846

SDG No.: Q2820

Order ID: Q2820

Client: First Environment, Inc.

Project ID: USACE018-44 DOD

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
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Client ID :

Total Concentration: 0.000

A

B

C

D



SAMPLE DATA

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	55.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074367.D	1	08/13/25 08:33	08/13/25 22:24	PB169227

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	14.8	U	7.10	14.8	30.4	ug/kg
11104-28-2	Aroclor-1221	23.3	U	7.20	23.3	30.4	ug/kg
11141-16-5	Aroclor-1232	14.8	U	6.70	14.8	30.4	ug/kg
53469-21-9	Aroclor-1242	14.8	U	7.20	14.8	30.4	ug/kg
12672-29-6	Aroclor-1248	23.3	U	10.6	23.3	30.4	ug/kg
11097-69-1	Aroclor-1254	14.8	U	5.70	14.8	30.4	ug/kg
37324-23-5	Aroclor-1262	23.3	U	9.00	23.3	30.4	ug/kg
11100-14-4	Aroclor-1268	14.8	U	6.40	14.8	30.4	ug/kg
11096-82-5	Aroclor-1260	14.8	U	5.80	14.8	30.4	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	23.6		44 - 130		118%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.3		60 - 125		91%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	48.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112864.D	1	08/12/25 08:15	08/12/25 14:38	PB169205

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	17.1	U	8.10	17.1	35.0	ug/kg
11104-28-2	Aroclor-1221	26.8	U	8.30	26.8	35.0	ug/kg
11141-16-5	Aroclor-1232	17.1	U	7.70	17.1	35.0	ug/kg
53469-21-9	Aroclor-1242	17.1	U	8.30	17.1	35.0	ug/kg
12672-29-6	Aroclor-1248	26.8	U	12.2	26.8	35.0	ug/kg
11097-69-1	Aroclor-1254	17.1	U	6.60	17.1	35.0	ug/kg
37324-23-5	Aroclor-1262	26.8	U	10.3	26.8	35.0	ug/kg
11100-14-4	Aroclor-1268	17.1	U	7.40	17.1	35.0	ug/kg
11096-82-5	Aroclor-1260	17.1	U	6.70	17.1	35.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.5		44 - 130		108%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.6		60 - 125		83%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	89
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112870.D	1	08/12/25 08:15	08/12/25 17:19	PB169205

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.30	U	4.40	9.30	19.1	ug/kg
11104-28-2	Aroclor-1221	14.6	U	4.50	14.6	19.1	ug/kg
11141-16-5	Aroclor-1232	9.30	U	4.20	9.30	19.1	ug/kg
53469-21-9	Aroclor-1242	9.30	U	4.50	9.30	19.1	ug/kg
12672-29-6	Aroclor-1248	14.6	U	6.60	14.6	19.1	ug/kg
11097-69-1	Aroclor-1254	9.30	U	3.60	9.30	19.1	ug/kg
37324-23-5	Aroclor-1262	14.6	U	5.60	14.6	19.1	ug/kg
11100-14-4	Aroclor-1268	9.30	U	4.00	9.30	19.1	ug/kg
11096-82-5	Aroclor-1260	9.30	U	3.60	9.30	19.1	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	11.6		44 - 130		58%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.0		60 - 125		100%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

LAB CHRONICLE

OrderID:	Q2820	OrderDate:	8/11/2025 12:29:00 PM
Client:	First Environment, Inc.	Project:	USACE018-44 DOD
Contact:	Al Smith	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2820-09	705R-S	SOIL	PCB	8082A	08/07/25	08/13/25	08/13/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/14/25	
Q2820-09RE	705R-SRE	SOIL	Pesticide-TCL	8081B	08/07/25	08/12/25	08/15/25	08/08/25
Q2820-10	SOIL-DUP-2	SOIL	PCB	8082A	08/07/25	08/12/25	08/12/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/14/25	
Q2820-24	22M-S	SOIL	PCB	8082A	08/08/25	08/12/25	08/12/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/14/25	

Hit Summary Sheet SW-846

SDG No.: Q2820 **Order ID:** Q2820
Client: First Environment, Inc. **Project ID:** USACE018-44 DOD

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : 705R-S									
Q2820-09	705R-S	SOIL	Aluminum	4860		1.34	6.37	7.96	mg/Kg
Q2820-09	705R-S	SOIL	Arsenic	5.01		0.30	1.27	1.59	mg/Kg
Q2820-09	705R-S	SOIL	Barium	8.76		1.16	1.99	7.96	mg/Kg
Q2820-09	705R-S	SOIL	Beryllium	0.35	J	0.040	0.12	0.48	mg/Kg
Q2820-09	705R-S	SOIL	Cadmium	0.56		0.038	0.12	0.48	mg/Kg
Q2820-09	705R-S	SOIL	Calcium	1230		17.7	39.8	159	mg/Kg
Q2820-09	705R-S	SOIL	Chromium	11.5		0.075	0.20	0.80	mg/Kg
Q2820-09	705R-S	SOIL	Cobalt	9.29		0.16	0.60	2.39	mg/Kg
Q2820-09	705R-S	SOIL	Copper	6.51		0.35	1.27	1.59	mg/Kg
Q2820-09	705R-S	SOIL	Iron	10400		6.36	6.37	7.96	mg/Kg
Q2820-09	705R-S	SOIL	Lead	8.38		0.21	0.77	0.96	mg/Kg
Q2820-09	705R-S	SOIL	Magnesium	1500		19.1	39.8	159	mg/Kg
Q2820-09	705R-S	SOIL	Manganese	45.6		0.22	0.40	1.59	mg/Kg
Q2820-09	705R-S	SOIL	Nickel	10.0		0.21	0.80	3.19	mg/Kg
Q2820-09	705R-S	SOIL	Potassium	721		44.1	127	159	mg/Kg
Q2820-09	705R-S	SOIL	Selenium	0.62	J	0.41	1.27	1.59	mg/Kg
Q2820-09	705R-S	SOIL	Silver	0.44	J	0.19	0.40	0.80	mg/Kg
Q2820-09	705R-S	SOIL	Sodium	1540		28.4	127	159	mg/Kg
Q2820-09	705R-S	SOIL	Vanadium	16.7		0.40	1.59	3.19	mg/Kg
Q2820-09	705R-S	SOIL	Zinc	24.9		0.37	0.80	3.19	mg/Kg
Client ID : SOIL-DUP-2									
Q2820-10	SOIL-DUP-2	SOIL	Aluminum	4210		1.60	7.62	9.52	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Arsenic	4.37		0.36	1.52	1.90	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Barium	9.43	J	1.39	2.38	9.52	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Beryllium	0.26	J	0.048	0.14	0.57	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Cadmium	0.26	J	0.046	0.14	0.57	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Calcium	1620		21.1	47.6	190	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Chromium	14.3		0.089	0.24	0.95	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Cobalt	1.99	J	0.19	0.71	2.86	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Copper	4.06		0.42	1.52	1.90	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Iron	7050		7.60	7.62	9.52	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Lead	6.97		0.25	0.91	1.14	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Magnesium	1660		22.9	47.6	190	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Manganese	28.4		0.27	0.48	1.90	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Nickel	4.79		0.25	0.95	3.81	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Potassium	1060		52.7	152	190	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Selenium	0.56	J	0.50	1.52	1.90	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2820 **Order ID:** Q2820
Client: First Environment, Inc. **Project ID:** USACE018-44 DOD

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2820-10	SOIL-DUP-2	SOIL	Silver	0.32	J	0.23	0.48	0.95	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Sodium	2440		33.9	152	190	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Vanadium	22.0		0.48	1.90	3.81	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Zinc	11.1		0.44	0.95	3.81	mg/Kg
Client ID : 22M-S									
Q2820-24	22M-S	SOIL	Aluminum	552		0.84	4.01	5.02	mg/Kg
Q2820-24	22M-S	SOIL	Arsenic	0.50	J	0.19	0.80	1.00	mg/Kg
Q2820-24	22M-S	SOIL	Barium	1.70	J	0.73	1.25	5.02	mg/Kg
Q2820-24	22M-S	SOIL	Beryllium	0.071	J	0.025	0.075	0.30	mg/Kg
Q2820-24	22M-S	SOIL	Cadmium	0.075	J	0.024	0.075	0.30	mg/Kg
Q2820-24	22M-S	SOIL	Calcium	57.4	J	11.1	25.1	100	mg/Kg
Q2820-24	22M-S	SOIL	Chromium	2.47		0.047	0.13	0.50	mg/Kg
Q2820-24	22M-S	SOIL	Cobalt	0.36	J	0.10	0.38	1.50	mg/Kg
Q2820-24	22M-S	SOIL	Copper	2.56		0.22	0.80	1.00	mg/Kg
Q2820-24	22M-S	SOIL	Iron	1120		4.00	4.01	5.02	mg/Kg
Q2820-24	22M-S	SOIL	Lead	1.22		0.13	0.48	0.60	mg/Kg
Q2820-24	22M-S	SOIL	Magnesium	148		12.0	25.1	100	mg/Kg
Q2820-24	22M-S	SOIL	Manganese	5.78		0.14	0.25	1.00	mg/Kg
Q2820-24	22M-S	SOIL	Nickel	1.13	J	0.13	0.50	2.01	mg/Kg
Q2820-24	22M-S	SOIL	Potassium	69.4	J	27.8	80.3	100	mg/Kg
Q2820-24	22M-S	SOIL	Sodium	29.3	J	17.9	80.3	100	mg/Kg
Q2820-24	22M-S	SOIL	Vanadium	1.24	J	0.25	1.00	2.01	mg/Kg
Q2820-24	22M-S	SOIL	Zinc	7.43		0.23	0.50	2.01	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	55.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4860		1	1.34	6.37	7.96	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-36-0	Antimony	1.00	UN	1	0.35	1.00	3.98	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-38-2	Arsenic	5.01	N	1	0.30	1.27	1.59	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-39-3	Barium	8.76		1	1.16	1.99	7.96	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-41-7	Beryllium	0.35	JN	1	0.040	0.12	0.48	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-43-9	Cadmium	0.56		1	0.038	0.12	0.48	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-70-2	Calcium	1230		1	17.7	39.8	159	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-47-3	Chromium	11.5	N	1	0.075	0.20	0.80	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-48-4	Cobalt	9.29		1	0.16	0.60	2.39	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-50-8	Copper	6.51		1	0.35	1.27	1.59	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7439-89-6	Iron	10400	*	1	6.36	6.37	7.96	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7439-92-1	Lead	8.38		1	0.21	0.77	0.96	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7439-95-4	Magnesium	1500		1	19.1	39.8	159	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7439-96-5	Manganese	45.6		1	0.22	0.40	1.59	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7439-97-6	Mercury	0.019	U	1	0.013	0.019	0.023	mg/Kg	08/11/25 16:30	08/12/25 11:29	7471B	
7440-02-0	Nickel	10.0		1	0.21	0.80	3.19	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-09-7	Potassium	721	N	1	44.1	127	159	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7782-49-2	Selenium	0.62	JN	1	0.41	1.27	1.59	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-22-4	Silver	0.44	JN	1	0.19	0.40	0.80	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-23-5	Sodium	1540		1	28.4	127	159	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-28-0	Thallium	1.59	UN	1	0.37	1.59	3.19	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-62-2	Vanadium	16.7	N*	1	0.40	1.59	3.19	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-66-6	Zinc	24.9		1	0.37	0.80	3.19	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	48.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4210		1	1.60	7.62	9.52	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-36-0	Antimony	1.19	UN	1	0.42	1.19	4.76	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-38-2	Arsenic	4.37	N	1	0.36	1.52	1.90	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-39-3	Barium	9.43	J	1	1.39	2.38	9.52	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-41-7	Beryllium	0.26	JN	1	0.048	0.14	0.57	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-43-9	Cadmium	0.26	J	1	0.046	0.14	0.57	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-70-2	Calcium	1620		1	21.1	47.6	190	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-47-3	Chromium	14.3	N	1	0.089	0.24	0.95	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-48-4	Cobalt	1.99	J	1	0.19	0.71	2.86	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-50-8	Copper	4.06		1	0.42	1.52	1.90	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7439-89-6	Iron	7050	*	1	7.60	7.62	9.52	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7439-92-1	Lead	6.97		1	0.25	0.91	1.14	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7439-95-4	Magnesium	1660		1	22.9	47.6	190	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7439-96-5	Manganese	28.4		1	0.27	0.48	1.90	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7439-97-6	Mercury	0.023	U	1	0.016	0.023	0.028	mg/Kg	08/11/25 16:30	08/12/25 11:31	7471B	
7440-02-0	Nickel	4.79		1	0.25	0.95	3.81	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-09-7	Potassium	1060	N	1	52.7	152	190	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7782-49-2	Selenium	0.56	JN	1	0.50	1.52	1.90	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-22-4	Silver	0.32	JN	1	0.23	0.48	0.95	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-23-5	Sodium	2440		1	33.9	152	190	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-28-0	Thallium	1.90	UN	1	0.44	1.90	3.81	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-62-2	Vanadium	22.0	N*	1	0.48	1.90	3.81	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-66-6	Zinc	11.1		1	0.44	0.95	3.81	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Level (low/med):	low	% Solid:	89

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	552		1	0.84	4.01	5.02	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-36-0	Antimony	0.63	UN	1	0.22	0.63	2.51	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-38-2	Arsenic	0.50	JN	1	0.19	0.80	1.00	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-39-3	Barium	1.70	J	1	0.73	1.25	5.02	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-41-7	Beryllium	0.071	JN	1	0.025	0.075	0.30	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-43-9	Cadmium	0.075	J	1	0.024	0.075	0.30	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-70-2	Calcium	57.4	J	1	11.1	25.1	100	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-47-3	Chromium	2.47	N	1	0.047	0.13	0.50	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-48-4	Cobalt	0.36	J	1	0.10	0.38	1.50	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-50-8	Copper	2.56		1	0.22	0.80	1.00	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7439-89-6	Iron	1120	*	1	4.00	4.01	5.02	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7439-92-1	Lead	1.22		1	0.13	0.48	0.60	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7439-95-4	Magnesium	148		1	12.0	25.1	100	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7439-96-5	Manganese	5.78		1	0.14	0.25	1.00	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7439-97-6	Mercury	0.012	U	1	0.0090	0.012	0.015	mg/Kg	08/11/25 16:30	08/12/25 11:34	7471B	
7440-02-0	Nickel	1.13	J	1	0.13	0.50	2.01	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-09-7	Potassium	69.4	JN	1	27.8	80.3	100	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7782-49-2	Selenium	0.80	UN	1	0.26	0.80	1.00	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-22-4	Silver	0.25	UN	1	0.12	0.25	0.50	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-23-5	Sodium	29.3	J	1	17.9	80.3	100	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-28-0	Thallium	1.00	UN	1	0.23	1.00	2.01	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-62-2	Vanadium	1.24	JN*	1	0.25	1.00	2.01	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-66-6	Zinc	7.43		1	0.23	0.50	2.01	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

LAB CHRONICLE

OrderID:	Q2820	OrderDate:	8/11/2025 12:29:00 PM
Client:	First Environment, Inc.	Project:	USACE018-44 DOD
Contact:	Al Smith	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2820-09	705R-S	SOIL			08/07/25			08/08/25
			Mercury	7471B		08/11/25	08/12/25	
			Metals ICP-TAL	6010D		08/12/25	08/13/25	
Q2820-10	SOIL-DUP-2	SOIL			08/07/25			08/08/25
			Mercury	7471B		08/11/25	08/12/25	
			Metals ICP-TAL	6010D		08/12/25	08/13/25	
Q2820-24	22M-S	SOIL			08/08/25			08/08/25
			Mercury	7471B		08/11/25	08/12/25	
			Metals ICP-TAL	6010D		08/12/25	08/13/25	



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: _____
ADDRESS: see page 1
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____
PHONE: _____ FAX: _____

PROJECT NAME: _____
PROJECT NO.: _____ LOCATION: _____
PROJECT MANAGER: _____
e-mail: _____
PHONE: _____ FAX: _____

BILL TO: _____ PO#: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____ PHONE: _____
ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☒ EDD FORMAT NYSDEC

1. VOC/SVOC
2. Pest/PCB
3. Metals
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	82H-S	S	C		8/6/25	1215	5	X									
2.	82H-W					1230		X									
3.	82H-N					1250		X									
4.	SOIL-0UP-1				8/6/25			X									
5.	S18R-E				8/7/25	0900		X									
6.	S18R-N					0940		X									
7.	S18R-S					0930		X									
8.	S18R-W					0950	542	X	*	*							
9.	705R-S					1100	87	X	X	X							
10.	SOIL-0UP-2						47	X	X	X							

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>GHC</u>	DATE/TIME: <u>6:01</u>	RECEIVED BY: 1. <u>L. J. Tu 8-8-25</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>3.9°C</u>
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	Comments:

Page 3 of 5 CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: _____
ADDRESS: See page 1
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____
PHONE: _____ FAX: _____

PROJECT NAME: _____
PROJECT NO.: _____ LOCATION: _____
PROJECT MANAGER: _____
e-mail: _____
PHONE: _____ FAX: _____

BILL TO: _____ PO#: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____ PHONE: _____

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☒ EDD FORMAT NYSDEC

PRESERVATIVES									COMMENTS	
← Specify Preservatives										
1	2	3	4	5	6	7	8	9	A-HCl	D-NaOH
									B-HNO3	E-ICE
									C-H2SO4	F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9		
1.	10PC-W	S	C		8/7/25	1235	5	X										
2.	10PC-S					1240		X										
3.	10P-W					1255		X										
4.	10P-E					1300		X										
5.	10P-S					1320		X										
6.	10P-N					1330		X										
7.	88H-E				8/8/25	0825		X										
8.	88H-N					0840		X										
9.	88H-W					0850		X										
10.	88H-S					0900		X										

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>GMC</u>	DATE/TIME: <u>6:01</u>	RECEIVED BY: <u>[Signature]</u> <u>8-8-25</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>3.7C</u> °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY:	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY:	

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: _____
ADDRESS: See page 1
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____
PHONE: _____ FAX: _____

CLIENT PROJECT INFORMATION

PROJECT NAME: _____
PROJECT NO.: _____ LOCATION: _____
PROJECT MANAGER: _____
e-mail: _____
PHONE: _____ FAX: _____

CLIENT BILLING INFORMATION

BILL TO: _____ PO#: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____ PHONE: _____

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*

*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☒ EDD FORMAT NYSDEC

1. VOC/SVOC
2. Pest/PCB
3. Metals
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9		
1.	22M-N	S	C		8/8/25	1125	5	X										
2.	22M-W					1050	5	X										
3.	22M-E					1115	5	X										
4.	22M-S					1100	7	X	X	X								
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>GMC</u>	DATE/TIME: <u>6:01</u>	RECEIVED BY: <u>R. A. L.</u>	2. <u>8-8-25</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>3.9°C</u>
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY:		Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY:		

Page 5 of 5

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2820	FIRS02	Order Date : 8/11/2025 12:29:00 PM	Project Mgr :
Client Name : First Environment, Inc.		Project Name : USACE018-44 DOD	Report Type : Level 4
Client Contact : Al Smith		Receive DateTime : 8/8/2025 6:01:00 PM	EDD Type : EQUIS
Invoice Name : First Environment, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Al Smith			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2820-01	82H-S	Solid	08/06/2025	12:15	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-02	82H-W	Solid	08/06/2025	12:30	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-03	82H-N	Solid	08/06/2025	12:50	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-04	SOIL-DUP-1	Solid	08/06/2025	00:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-05	518R-E	Solid	08/07/2025	09:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-06	518R-N	Solid	08/07/2025	09:40	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-07	518R-S	Solid	08/07/2025	09:30	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-08	518R-W	Solid	08/07/2025	09:50					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2820	FIRS02	Order Date : 8/11/2025 12:29:00 PM	Project Mgr :
Client Name : First Environment, Inc.		Project Name : USACE018-44 DOD	Report Type : Level 4
Client Contact : Al Smith		Receive DateTime : 8/8/2025 6:01:00 PM	EDD Type : EQUIS
Invoice Name : First Environment, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Al Smith			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2820-09	705R-S	Solid	08/07/2025	11:00	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-10	SOIL-DUP-2	Solid	08/07/2025	00:00	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-11	10PC-W	Solid	08/07/2025	12:35	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-12	10PC-S	Solid	08/07/2025	12:40	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-13	10P-W	Solid	08/07/2025	12:55	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-14	10P-E	Solid	08/07/2025	13:00	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-15	10P-S	Solid	08/07/2025	13:20	VOC-TCLVOA-10		8260D		10 Bus. Days

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2820	FIRS02	Order Date : 8/11/2025 12:29:00 PM	Project Mgr :
Client Name : First Environment, Inc.		Project Name : USACE018-44 DOD	Report Type : Level 4
Client Contact : Al Smith		Receive DateTime : 8/8/2025 6:01:00 PM	EDD Type : EQUIS
Invoice Name : First Environment, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Al Smith			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2820-16	10P-N	Solid	08/07/2025	13:30	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-17	88H-E	Solid	08/08/2025	08:25	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-18	88H-N	Solid	08/08/2025	08:40	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-19	88H-W	Solid	08/08/2025	08:50	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-20	88H-S	Solid	08/08/2025	09:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-21	22M-N	Solid	08/08/2025	11:25	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-22	22M-W	Solid	08/08/2025	10:56	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-23	22M-E	Solid	08/08/2025	11:15					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2820	FIRS02	Order Date : 8/11/2025 12:29:00 PM	Project Mgr :
Client Name : First Environment, Inc.		Project Name : USACE018-44 DOD	Report Type : Level 4
Client Contact : Al Smith		Receive DateTime : 8/8/2025 6:01:00 PM	EDD Type : EQUIS
Invoice Name : First Environment, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Al Smith			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2820-24	22M-S	Solid	08/08/2025	11:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By :

Date / Time :

[Signature]
8-11-25 1450

Received By :

Date / Time :

[Signature]
08/11/25

14:50

Storage Area : VOA Refridgerator Room

[Handwritten notes]
28#6
522