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ANALYTICAL RESULTS SUMMARY

GENERAL CHEMISTRY
METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : AE1-CTY 3.2.Z-PR-DOCK-DES-ODC - 60693795-1719206

AECOM

605 3rd Avenue

29th Floor

New York, NY - 10158

Phone No: 212-973-2900

ORDER ID : Q3375

ATTENTION : Rob Forstner

Laboratory Certification ID # 20012

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
PR132-S02-074099-20251016	Q3375-01	8260D	8270E		8081B, 8082A	6020B, 7471B	7196A, Chemtech -SOP, Lloyd Kahn
PR132-S04-000013-20251016	Q3375-02	8260D	8270E		8081B, 8082A	6020B, 7471B	7196A, Chemtech -SOP, Lloyd Kahn
PR132-S05-000057-20251016	Q3375-03	8260D	8270E		8081B, 8082A	6020B, 7471B	7196A, Chemtech -SOP, Lloyd Kahn
PR132-S02-010074-20251016	Q3375-04	8260D	8270E		8081B, 8082A	6020B, 7471B	7196A, Chemtech -SOP, Lloyd Kahn
PR132-DP02-20251016	Q3375-05	8260D	8270E		8081B, 8082A	6020B, 7471B	7196A, Chemtech -SOP, Lloyd Kahn

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIa

SAMPLE PREPARATION AND ANALYSIS SUMMARY SEMIVOLATILE (BNA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
Q3375-01	SOIL	10/16/25	10/16/25	10/20/25	10/21/25
Q3375-02	SOIL	10/16/25	10/16/25	10/20/25	10/21/25
Q3375-03	SOIL	10/16/25	10/16/25	10/20/25	10/21/25
Q3375-04	SOIL	10/16/25	10/16/25	10/20/25	10/21/25
Q3375-05	SOIL	10/16/25	10/16/25	10/20/25	10/21/25

*** Details For Test :** SVOC-TCL BNA -20

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
Q3375-01	SOIL	10/16/25	10/16/25		10/20/25
Q3375-02	SOIL	10/16/25	10/16/25		10/20/25
Q3375-03	SOIL	10/16/25	10/16/25		10/20/25
Q3375-04	SOIL	10/16/25	10/16/25		10/20/25
Q3375-05	SOIL	10/16/25	10/16/25		10/20/25

*** Details For Test :** VOC-TCLVOA-10

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIc

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
Q3375-01	SOIL	10/16/25	10/16/25	10/20/25	10/20/25
Q3375-02	SOIL	10/16/25	10/16/25	10/20/25	10/20/25
Q3375-03	SOIL	10/16/25	10/16/25	10/20/25	10/20/25
Q3375-04	SOIL	10/16/25	10/16/25	10/20/25	10/20/25
Q3375-05	SOIL	10/16/25	10/16/25	10/20/25	10/20/25

*** Details For Test :** PCB

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIc

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
Q3375-01	SOIL	10/16/25	10/16/25	10/20/25	10/20/25
Q3375-02	SOIL	10/16/25	10/16/25	10/20/25	10/20/25
Q3375-03	SOIL	10/16/25	10/16/25	10/20/25	10/20/25
Q3375-04	SOIL	10/16/25	10/16/25	10/20/25	10/20/25
Q3375-05	SOIL	10/16/25	10/16/25	10/20/25	10/20/25

*** Details For Test :** Pesticide-TCL

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
Q3375-01	Solid	8270E	3550		
Q3375-02	Solid	8270E	3550		
Q3375-03	Solid	8270E	3550		
Q3375-04	Solid	8270E	3550		
Q3375-05	Solid	8270E	3550		

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
Q3375-01	Solid	8081B	3541		
Q3375-01	Solid	8082A	3541		
Q3375-02	Solid	8081B	3541		
Q3375-02	Solid	8082A	3541		
Q3375-03	Solid	8081B	3541		
Q3375-03	Solid	8082A	3541		
Q3375-04	Solid	8081B	3541		
Q3375-04	Solid	8082A	3541		
Q3375-05	Solid	8081B	3541		
Q3375-05	Solid	8082A	3541		

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
Q3375-01	Solid	8260D	5035		
Q3375-02	Solid	8260D	5035		
Q3375-03	Solid	8260D	5035		
Q3375-04	Solid	8260D	5035		
Q3375-05	Solid	8260D	5035		

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
Q3375-01	SOIL	Mercury	10/16/25	10/20/25	10/22/25
Q3375-02	SOIL	Mercury	10/16/25	10/20/25	10/20/25
Q3375-03	SOIL	Mercury	10/16/25	10/20/25	10/22/25
Q3375-04	SOIL	Mercury	10/16/25	10/20/25	10/22/25
Q3375-05	SOIL	Mercury	10/16/25	10/20/25	10/22/25

*** Details For Test :** Mercury

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
Q3375-01	SOIL	Metals ICP-TAL	10/16/25	10/20/25	10/22/25
Q3375-02	SOIL	Metals ICP-TAL	10/16/25	10/20/25	10/22/25
Q3375-03	SOIL	Metals ICP-TAL	10/16/25	10/20/25	10/22/25
Q3375-04	SOIL	Metals ICP-TAL	10/16/25	10/20/25	10/22/25
Q3375-05	SOIL	Metals ICP-TAL	10/16/25	10/20/25	10/22/25

*** Details For Test :** Metals ICP-TAL

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Cover Page

Order ID : Q3375

Project ID : AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Client : AECOM

Lab Sample Number	Client Sample Number
Q3375-01	PR132-S02-074099-20251016
Q3375-02	PR132-S04-000013-20251016
Q3375-03	PR132-S05-000057-20251016
Q3375-04	PR132-S02-010074-20251016
Q3375-05	PR132-DP02-20251016

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 : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 3:46 pm, Oct 29, 2025

Date: 10/29/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

AECOM
Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Project # N/A
Order ID # Q3375
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 10/16/2025.

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 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 for {VW1020SBSD01} with File ID: VW032381.D met criteria except for 1,2-Dibromo-3-Chloropropane[22%], 2-Butanone[22%] due to difference in results of BS and BSD.

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 (82W100125S.M) for Methylene chloride passing on Linear regression.

The Continuous Calibration File ID VW032378.D met the requirements except for Bromoform and Dibromochloromethane are failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

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E. Additional Comments:
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 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.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 3:46 pm, Oct 29, 2025

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CASE NARRATIVE

AECOM
Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Project # N/A
Order ID # Q3375
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 10/16/2025.

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_G 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.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.
The Blank Spike 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 8270-BF100625.M) for 2,4-Dinitrophenol this Compounds is passing on Linear regression.

The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The soil samples results are based on a dry weight basis.

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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 APPROVED
By Nimisha Pandya, QA/QC Supervisor at 3:46 pm, Oct 29, 2025

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CASE NARRATIVE

AECOM
Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Project # N/A
Order ID # Q3375
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 10/16/2025.

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.
The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.
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:
Sample#PR132-S05-000057-20251016 was reported with J flag on form 1 for com#alpha-Chlordane based on reporting criteria of high concentration from both column. Now for other column compound detection is below MDL therefore it is not detecting on form 10.
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.

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

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above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 3:47 pm, Oct 29, 2025

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CASE NARRATIVE

AECOM
Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Project # N/A
Order ID # Q3375
Test Name: PCB

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 10/16/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: PCB. This data package contains results for PCB.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_Q.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_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 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 were met for all analysis.
The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.
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 File ID PP075881.D met the requirements except for Decachlorobiphenyl is failing in 1st column AND Aroclor-1016(Peak-02) is failing in 2nd column while another column passing for that therefore no corrective action taken.

E. Additional Comments:
The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:

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

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Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 3:47 pm, Oct 29, 2025

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CASE NARRATIVE

AECOM
Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Project # N/A
Order ID # Q3375
Test Name: Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 10/16/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury,Metals ICP-TAL. This data package contains results for Mercury,Metals ICP-TAL.

C. Analytical Techniques:
The analysis of Metals ICP-TAL was based on method 6020B, 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.
Sample PR132-S02-074099-20251016 was diluted due to high concentrations for Mercury & Sample PR132-S05-000057-20251016 was diluted due to high concentrations for Chromium and Mercury & Sample PR132-S02-010074-20251016 was diluted due to high concentrations for Mercury & Sample PR132-DP02-20251016 was diluted due to high concentrations for Chromium, Iron, Lead and Mercury.
The Blank Spike met requirements for all compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike (PR132-S12-020047-20251016MS) analysis met criteria for all compounds except for Lead and Silver due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (PR132-S12-020047-20251016MSD) analysis met criteria for all compounds except for Lead and Silver 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 met the acceptable requirements.

E. Additional Comments:
The Post Digest Spike (PR132-S12-020047-20251016A) analysis met criteria for all compounds except for Silver 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.

Collision cell is being used to remove potential interferences. The analytes Na, Mg, Al, K, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As are being analyzed with collision cell and analytes Be, B, Ca, Ti, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U are being analyzed with Non-Collision Cell. Helium gas is used for the Collision Cell analysis.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 3:47 pm, Oct 29, 2025

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CASE NARRATIVE

AECOM
Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Project # N/A
Order ID # Q3375
Test Name: Hexavalent Chromium,TOC

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 10/16/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Hexavalent Chromium,TOC. This data package contains results for Hexavalent Chromium,TOC.

C. Analytical Techniques:
The analysis of Hexavalent Chromium was based on method 7196A and The analysis of TOC was based on method Lloyd Kahn.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike analysis met criteria for all compounds.
The Matrix Spike Duplicate analysis met criteria for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:
Lab has used least representable sample weight for the sample Q3375-01, Q3375-02, Q3375-03, Q3375-04 and Q3375-05 for TOC analysis. Therefore Lab has reported the TOC result with "OR" qualifier.

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Signature___ **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 3:47 pm, Oct 29, 2025

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

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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 is 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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3375

	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 Castody	✓
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:** 10/29/2025

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LAB CHRONICLE

OrderID:	Q3375	**OrderDate:**	10/17/2025 10:32:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3375-01	**PR132-S02-074099-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			VOC-TCLVOA-10	8260D			10/20/25	
Q3375-02	**PR132-S04-000013-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			VOC-TCLVOA-10	8260D			10/20/25	
Q3375-03	**PR132-S05-000057-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			VOC-TCLVOA-10	8260D			10/20/25	
Q3375-04	**PR132-S02-010074-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			VOC-TCLVOA-10	8260D			10/20/25	
Q3375-05	**PR132-DP02-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			VOC-TCLVOA-10	8260D			10/20/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3375

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**PR132-S02-074099-20251016**								
Q3375-01	PR132-S02-074099	SOIL	Acetone		140		5.90	31.0	ug/Kg
Q3375-01	PR132-S02-074099	SOIL	Carbon Disulfide		2.70	J	1.30	6.20	ug/Kg
Q3375-01	PR132-S02-074099	SOIL	2-Butanone		37.3		8.10	31.0	ug/Kg
			Total Voc :		180				
Q3375-01	PR132-S02-074099	SOIL	Nonane, 3-methyl-	*	7.20	J	0	0	ug/Kg
			Total Tics :		7.20				
			Total Concentration:		187				
Client ID:	**PR132-S04-000013-20251016**								
Q3375-02	PR132-S04-000013	SOIL	Acetone		89.1		6.30	33.1	ug/Kg
Q3375-02	PR132-S04-000013	SOIL	Carbon Disulfide		10.4		1.40	6.60	ug/Kg
Q3375-02	PR132-S04-000013	SOIL	Methyl Acetate		4.20	J	2.00	6.60	ug/Kg
Q3375-02	PR132-S04-000013	SOIL	2-Butanone		21.3	J	8.70	33.1	ug/Kg
			Total Voc :		125				
			Total Concentration:		125				
Client ID:	**PR132-S05-000057-20251016**								
Q3375-03	PR132-S05-000057	SOIL	Acetone		270		7.00	36.8	ug/Kg
Q3375-03	PR132-S05-000057	SOIL	Carbon Disulfide		13.3		1.60	7.40	ug/Kg
Q3375-03	PR132-S05-000057	SOIL	2-Butanone		75.1		9.60	36.8	ug/Kg
Q3375-03	PR132-S05-000057	SOIL	Methylcyclohexane		27.3		1.30	7.40	ug/Kg
Q3375-03	PR132-S05-000057	SOIL	Benzene		4.60	J	1.20	7.40	ug/Kg
Q3375-03	PR132-S05-000057	SOIL	o-Xylene		9.70		1.20	7.40	ug/Kg
			Total Voc :		400				
Q3375-03	PR132-S05-000057	SOIL	Naphthalene, decahydro-, trans	*	97.2	J	0	0	ug/Kg
Q3375-03	PR132-S05-000057	SOIL	Octane, 2,6-dimethyl-	*	95.8	J	0	0	ug/Kg
Q3375-03	PR132-S05-000057	SOIL	Heptane, 3-ethyl-2-methyl-	*	170	J	0	0	ug/Kg
Q3375-03	PR132-S05-000057	SOIL	Undecane, 2,6-dimethyl-	*	100	J	0	0	ug/Kg
Q3375-03	PR132-S05-000057	SOIL	1,3,5-Trimethylbenzene	*	4.60	J	1.20	7.40	ug/Kg
			Total Tics :		468				
			Total Concentration:		868				
Client ID:	**PR132-S02-010074-20251016**								
Q3375-04	PR132-S02-010074	SOIL	Acetone		300		11.2	59.0	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	Carbon Disulfide		12.0		2.50	11.8	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	2-Butanone		88.5		15.4	59.0	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	Methylcyclohexane		54.7		2.10	11.8	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	o-Xylene		9.40	J	1.90	11.8	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	Isopropylbenzene		14.4		1.80	11.8	ug/Kg
			Total Voc :		479				

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Hit Summary Sheet
SW-846

SDG No.: Q3375

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3375-04	PR132-S02-010074	SOIL	Naphthalene, decahydro-	*	110	J	0	0	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	Octane, 2,6-dimethyl-	*	180	J	0	0	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	Dodecane, 2,6,10-trimethyl-	*	130	J	0	0	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	Undecane, 2,6-dimethyl-	*	170	J	0	0	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	1,3,5-Trimethylbenzene	*	11.2	J	1.90	11.8	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	1,2,4-Trimethylbenzene	*	20.7	J	1.50	11.8	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	p-Isopropyltoluene	*	7.80	J	1.50	11.8	ug/Kg
			Total Tics :		630				
			Total Concentration:		1110				
Client ID:	**PR132-DP02-20251016**								
Q3375-05	PR132-DP02-20251	SOIL	Acetone		370		11.5	60.8	ug/Kg
Q3375-05	PR132-DP02-20251	SOIL	Carbon Disulfide		15.1		2.60	12.2	ug/Kg
Q3375-05	PR132-DP02-20251	SOIL	2-Butanone		110		15.9	60.8	ug/Kg
Q3375-05	PR132-DP02-20251	SOIL	Methylcyclohexane		36.8		2.20	12.2	ug/Kg
Q3375-05	PR132-DP02-20251	SOIL	Benzene		6.40	J	1.90	12.2	ug/Kg
Q3375-05	PR132-DP02-20251	SOIL	o-Xylene		11.5	J	2.00	12.2	ug/Kg
			Total Voc :		550				
Q3375-05	PR132-DP02-20251	SOIL	Cyclohexane, 1,3,5-trimethyl-	*	49.3	J	0	0	ug/Kg
Q3375-05	PR132-DP02-20251	SOIL	Octane, 2,6-dimethyl-	*	96.7	J	0	0	ug/Kg
Q3375-05	PR132-DP02-20251	SOIL	Heptane, 3-ethyl-2-methyl-	*	210	J	0	0	ug/Kg
Q3375-05	PR132-DP02-20251	SOIL	1,3,5-Trimethylbenzene	*	5.20	J	2.00	12.2	ug/Kg
Q3375-05	PR132-DP02-20251	SOIL	1,2,4-Trimethylbenzene	*	5.80	J	1.60	12.2	ug/Kg
			Total Tics :		367				
			Total Concentration:		917				

SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-074099-202510	SDG No.:	Q3375
Lab Sample ID:	Q3375-01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 69.2
Sample Wt/Vol:	5.83 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	6.20	U	1	1.40	6.20	ug/Kg	10/20/25 13:07	VW102025
74-87-3	Chloromethane	6.20	U	1	1.40	6.20	ug/Kg	10/20/25 13:07	VW102025
75-01-4	Vinyl Chloride	6.20	U	1	0.98	6.20	ug/Kg	10/20/25 13:07	VW102025
74-83-9	Bromomethane	6.20	U	1	1.30	6.20	ug/Kg	10/20/25 13:07	VW102025
75-00-3	Chloroethane	6.20	U	1	1.60	6.20	ug/Kg	10/20/25 13:07	VW102025
75-69-4	Trichlorofluoromethane	6.20	U	1	1.50	6.20	ug/Kg	10/20/25 13:07	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	6.20	U	1	1.30	6.20	ug/Kg	10/20/25 13:07	VW102025
75-35-4	1,1-Dichloroethene	6.20	U	1	1.20	6.20	ug/Kg	10/20/25 13:07	VW102025
67-64-1	Acetone	140		1	5.90	31.0	ug/Kg	10/20/25 13:07	VW102025
75-15-0	Carbon Disulfide	2.70	J	1	1.30	6.20	ug/Kg	10/20/25 13:07	VW102025
1634-04-4	Methyl tert-butyl Ether	6.20	U	1	0.90	6.20	ug/Kg	10/20/25 13:07	VW102025
79-20-9	Methyl Acetate	6.20	U	1	1.90	6.20	ug/Kg	10/20/25 13:07	VW102025
75-09-2	Methylene Chloride	12.4	U	1	4.40	12.4	ug/Kg	10/20/25 13:07	VW102025
156-60-5	trans-1,2-Dichloroethene	6.20	U	1	1.10	6.20	ug/Kg	10/20/25 13:07	VW102025
75-34-3	1,1-Dichloroethane	6.20	U	1	0.99	6.20	ug/Kg	10/20/25 13:07	VW102025
110-82-7	Cyclohexane	6.20	U	1	0.98	6.20	ug/Kg	10/20/25 13:07	VW102025
78-93-3	2-Butanone	37.3		1	8.10	31.0	ug/Kg	10/20/25 13:07	VW102025
56-23-5	Carbon Tetrachloride	6.20	U	1	1.20	6.20	ug/Kg	10/20/25 13:07	VW102025
156-59-2	cis-1,2-Dichloroethene	6.20	U	1	0.93	6.20	ug/Kg	10/20/25 13:07	VW102025
74-97-5	Bromochloromethane	6.20	U	1	1.40	6.20	ug/Kg	10/20/25 13:07	VW102025
67-66-3	Chloroform	6.20	U	1	1.00	6.20	ug/Kg	10/20/25 13:07	VW102025
71-55-6	1,1,1-Trichloroethane	6.20	U	1	1.20	6.20	ug/Kg	10/20/25 13:07	VW102025
108-87-2	Methylcyclohexane	6.20	U	1	1.10	6.20	ug/Kg	10/20/25 13:07	VW102025
71-43-2	Benzene	6.20	U	1	0.98	6.20	ug/Kg	10/20/25 13:07	VW102025
107-06-2	1,2-Dichloroethane	6.20	U	1	0.98	6.20	ug/Kg	10/20/25 13:07	VW102025
79-01-6	Trichloroethene	6.20	U	1	1.00	6.20	ug/Kg	10/20/25 13:07	VW102025
78-87-5	1,2-Dichloropropane	6.20	U	1	1.10	6.20	ug/Kg	10/20/25 13:07	VW102025
75-27-4	Bromodichloromethane	6.20	U	1	0.97	6.20	ug/Kg	10/20/25 13:07	VW102025
108-10-1	4-Methyl-2-Pentanone	31.0	U	1	4.40	31.0	ug/Kg	10/20/25 13:07	VW102025
108-88-3	Toluene	6.20	U	1	0.97	6.20	ug/Kg	10/20/25 13:07	VW102025
10061-02-6	t-1,3-Dichloropropene	6.20	U	1	0.81	6.20	ug/Kg	10/20/25 13:07	VW102025
10061-01-5	cis-1,3-Dichloropropene	6.20	U	1	0.77	6.20	ug/Kg	10/20/25 13:07	VW102025
79-00-5	1,1,2-Trichloroethane	6.20	U	1	1.10	6.20	ug/Kg	10/20/25 13:07	VW102025
591-78-6	2-Hexanone	31.0	U	1	4.60	31.0	ug/Kg	10/20/25 13:07	VW102025
124-48-1	Dibromochloromethane	6.20	U	1	1.10	6.20	ug/Kg	10/20/25 13:07	VW102025
106-93-4	1,2-Dibromoethane	6.20	U	1	1.10	6.20	ug/Kg	10/20/25 13:07	VW102025
127-18-4	Tetrachloroethene	6.20	U	1	1.30	6.20	ug/Kg	10/20/25 13:07	VW102025
108-90-7	Chlorobenzene	6.20	U	1	1.10	6.20	ug/Kg	10/20/25 13:07	VW102025
100-41-4	Ethyl Benzene	6.20	U	1	0.83	6.20	ug/Kg	10/20/25 13:07	VW102025
179601-23-1	m/p-Xylenes	12.4	U	1	1.50	12.4	ug/Kg	10/20/25 13:07	VW102025
95-47-6	o-Xylene	6.20	U	1	1.00	6.20	ug/Kg	10/20/25 13:07	VW102025
100-42-5	Styrene	6.20	U	1	0.88	6.20	ug/Kg	10/20/25 13:07	VW102025
75-25-2	Bromoform	6.20	U	1	1.10	6.20	ug/Kg	10/20/25 13:07	VW102025

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-074099-202510	SDG No.:	Q3375
Lab Sample ID:	Q3375-01	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	69.2
Sample Wt/Vol:	5.83 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	6.20	U	1	0.97	6.20	ug/Kg	10/20/25 13:07	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	6.20	U	1	1.50	6.20	ug/Kg	10/20/25 13:07	VW102025
541-73-1	1,3-Dichlorobenzene	6.20	U	1	2.10	6.20	ug/Kg	10/20/25 13:07	VW102025
106-46-7	1,4-Dichlorobenzene	6.20	U	1	1.90	6.20	ug/Kg	10/20/25 13:07	VW102025
95-50-1	1,2-Dichlorobenzene	6.20	U	1	1.80	6.20	ug/Kg	10/20/25 13:07	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	6.20	U	1	2.30	6.20	ug/Kg	10/20/25 13:07	VW102025
120-82-1	1,2,4-Trichlorobenzene	6.20	U	1	3.70	6.20	ug/Kg	10/20/25 13:07	VW102025
87-61-6	1,2,3-Trichlorobenzene	6.20	U	1	3.90	6.20	ug/Kg	10/20/25 13:07	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	68.1			63 - 155	136%	SPK: 50		
1868-53-7	Dibromofluoromethane	59.5			70 - 134	119%	SPK: 50		
2037-26-5	Toluene-d8	58.0			74 - 123	116%	SPK: 50		
460-00-4	4-Bromofluorobenzene	59.6			17 - 146	119%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	182000							
540-36-3	1,4-Difluorobenzene	407000							
3114-55-4	Chlorobenzene-d5	456000							
3855-82-1	1,4-Dichlorobenzene-d4	230000							
TENTATIVE IDENTIFIED COMPOUNDS									
005911-04-6	Nonane, 3-methyl-	7.20	J			12.3	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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S04-000013-202510	SDG No.:	Q3375
Lab Sample ID:	Q3375-02	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 74.7
Sample Wt/Vol:	5.06 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	6.60	U	1	1.50	6.60	ug/Kg	10/20/25 13:29	VW102025
74-87-3	Chloromethane	6.60	U	1	1.50	6.60	ug/Kg	10/20/25 13:29	VW102025
75-01-4	Vinyl Chloride	6.60	U	1	1.00	6.60	ug/Kg	10/20/25 13:29	VW102025
74-83-9	Bromomethane	6.60	U	1	1.40	6.60	ug/Kg	10/20/25 13:29	VW102025
75-00-3	Chloroethane	6.60	U	1	1.70	6.60	ug/Kg	10/20/25 13:29	VW102025
75-69-4	Trichlorofluoromethane	6.60	U	1	1.60	6.60	ug/Kg	10/20/25 13:29	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	6.60	U	1	1.40	6.60	ug/Kg	10/20/25 13:29	VW102025
75-35-4	1,1-Dichloroethene	6.60	U	1	1.30	6.60	ug/Kg	10/20/25 13:29	VW102025
67-64-1	Acetone	89.1		1	6.30	33.1	ug/Kg	10/20/25 13:29	VW102025
75-15-0	Carbon Disulfide	10.4		1	1.40	6.60	ug/Kg	10/20/25 13:29	VW102025
1634-04-4	Methyl tert-butyl Ether	6.60	U	1	0.97	6.60	ug/Kg	10/20/25 13:29	VW102025
79-20-9	Methyl Acetate	4.20	J	1	2.00	6.60	ug/Kg	10/20/25 13:29	VW102025
75-09-2	Methylene Chloride	13.2	U	1	4.70	13.2	ug/Kg	10/20/25 13:29	VW102025
156-60-5	trans-1,2-Dichloroethene	6.60	U	1	1.10	6.60	ug/Kg	10/20/25 13:29	VW102025
75-34-3	1,1-Dichloroethane	6.60	U	1	1.10	6.60	ug/Kg	10/20/25 13:29	VW102025
110-82-7	Cyclohexane	6.60	U	1	1.00	6.60	ug/Kg	10/20/25 13:29	VW102025
78-93-3	2-Butanone	21.3	J	1	8.70	33.1	ug/Kg	10/20/25 13:29	VW102025
56-23-5	Carbon Tetrachloride	6.60	U	1	1.30	6.60	ug/Kg	10/20/25 13:29	VW102025
156-59-2	cis-1,2-Dichloroethene	6.60	U	1	0.99	6.60	ug/Kg	10/20/25 13:29	VW102025
74-97-5	Bromochloromethane	6.60	U	1	1.50	6.60	ug/Kg	10/20/25 13:29	VW102025
67-66-3	Chloroform	6.60	U	1	1.10	6.60	ug/Kg	10/20/25 13:29	VW102025
71-55-6	1,1,1-Trichloroethane	6.60	U	1	1.20	6.60	ug/Kg	10/20/25 13:29	VW102025
108-87-2	Methylcyclohexane	6.60	U	1	1.20	6.60	ug/Kg	10/20/25 13:29	VW102025
71-43-2	Benzene	6.60	U	1	1.00	6.60	ug/Kg	10/20/25 13:29	VW102025
107-06-2	1,2-Dichloroethane	6.60	U	1	1.00	6.60	ug/Kg	10/20/25 13:29	VW102025
79-01-6	Trichloroethene	6.60	U	1	1.10	6.60	ug/Kg	10/20/25 13:29	VW102025
78-87-5	1,2-Dichloropropane	6.60	U	1	1.20	6.60	ug/Kg	10/20/25 13:29	VW102025
75-27-4	Bromodichloromethane	6.60	U	1	1.00	6.60	ug/Kg	10/20/25 13:29	VW102025
108-10-1	4-Methyl-2-Pentanone	33.1	U	1	4.70	33.1	ug/Kg	10/20/25 13:29	VW102025
108-88-3	Toluene	6.60	U	1	1.00	6.60	ug/Kg	10/20/25 13:29	VW102025
10061-02-6	t-1,3-Dichloropropene	6.60	U	1	0.86	6.60	ug/Kg	10/20/25 13:29	VW102025
10061-01-5	cis-1,3-Dichloropropene	6.60	U	1	0.82	6.60	ug/Kg	10/20/25 13:29	VW102025
79-00-5	1,1,2-Trichloroethane	6.60	U	1	1.20	6.60	ug/Kg	10/20/25 13:29	VW102025
591-78-6	2-Hexanone	33.1	U	1	4.90	33.1	ug/Kg	10/20/25 13:29	VW102025
124-48-1	Dibromochloromethane	6.60	U	1	1.20	6.60	ug/Kg	10/20/25 13:29	VW102025
106-93-4	1,2-Dibromoethane	6.60	U	1	1.20	6.60	ug/Kg	10/20/25 13:29	VW102025
127-18-4	Tetrachloroethene	6.60	U	1	1.40	6.60	ug/Kg	10/20/25 13:29	VW102025
108-90-7	Chlorobenzene	6.60	U	1	1.20	6.60	ug/Kg	10/20/25 13:29	VW102025
100-41-4	Ethyl Benzene	6.60	U	1	0.89	6.60	ug/Kg	10/20/25 13:29	VW102025
179601-23-1	m/p-Xylenes	13.2	U	1	1.60	13.2	ug/Kg	10/20/25 13:29	VW102025
95-47-6	o-Xylene	6.60	U	1	1.10	6.60	ug/Kg	10/20/25 13:29	VW102025
100-42-5	Styrene	6.60	U	1	0.94	6.60	ug/Kg	10/20/25 13:29	VW102025
75-25-2	Bromoform	6.60	U	1	1.10	6.60	ug/Kg	10/20/25 13:29	VW102025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S04-000013-202510	SDG No.:	Q3375
Lab Sample ID:	Q3375-02	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 74.7
Sample Wt/Vol:	5.06 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	6.60	U	1	1.00	6.60	ug/Kg	10/20/25 13:29	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	6.60	U	1	1.60	6.60	ug/Kg	10/20/25 13:29	VW102025
541-73-1	1,3-Dichlorobenzene	6.60	U	1	2.30	6.60	ug/Kg	10/20/25 13:29	VW102025
106-46-7	1,4-Dichlorobenzene	6.60	U	1	2.10	6.60	ug/Kg	10/20/25 13:29	VW102025
95-50-1	1,2-Dichlorobenzene	6.60	U	1	1.90	6.60	ug/Kg	10/20/25 13:29	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	6.60	U	1	2.40	6.60	ug/Kg	10/20/25 13:29	VW102025
120-82-1	1,2,4-Trichlorobenzene	6.60	U	1	3.90	6.60	ug/Kg	10/20/25 13:29	VW102025
87-61-6	1,2,3-Trichlorobenzene	6.60	U	1	4.20	6.60	ug/Kg	10/20/25 13:29	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	61.6			63 - 155	123%	SPK: 50		
1868-53-7	Dibromofluoromethane	57.0			70 - 134	114%	SPK: 50		
2037-26-5	Toluene-d8	53.8			74 - 123	108%	SPK: 50		
460-00-4	4-Bromofluorobenzene	57.2			17 - 146	114%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	191000							
540-36-3	1,4-Difluorobenzene	419000							
3114-55-4	Chlorobenzene-d5	462000							
3855-82-1	1,4-Dichlorobenzene-d4	225000							

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-000057-202510	SDG No.:	Q3375
Lab Sample ID:	Q3375-03	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 66.7
Sample Wt/Vol:	5.09 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	7.40	U	1	1.70	7.40	ug/Kg	10/20/25 13:50	VW102025
74-87-3	Chloromethane	7.40	U	1	1.70	7.40	ug/Kg	10/20/25 13:50	VW102025
75-01-4	Vinyl Chloride	7.40	U	1	1.20	7.40	ug/Kg	10/20/25 13:50	VW102025
74-83-9	Bromomethane	7.40	U	1	1.60	7.40	ug/Kg	10/20/25 13:50	VW102025
75-00-3	Chloroethane	7.40	U	1	1.90	7.40	ug/Kg	10/20/25 13:50	VW102025
75-69-4	Trichlorofluoromethane	7.40	U	1	1.80	7.40	ug/Kg	10/20/25 13:50	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	7.40	U	1	1.60	7.40	ug/Kg	10/20/25 13:50	VW102025
75-35-4	1,1-Dichloroethene	7.40	U	1	1.50	7.40	ug/Kg	10/20/25 13:50	VW102025
67-64-1	Acetone	270		1	7.00	36.8	ug/Kg	10/20/25 13:50	VW102025
75-15-0	Carbon Disulfide	13.3		1	1.60	7.40	ug/Kg	10/20/25 13:50	VW102025
1634-04-4	Methyl tert-butyl Ether	7.40	U	1	1.10	7.40	ug/Kg	10/20/25 13:50	VW102025
79-20-9	Methyl Acetate	7.40	U	1	2.30	7.40	ug/Kg	10/20/25 13:50	VW102025
75-09-2	Methylene Chloride	14.7	U	1	5.20	14.7	ug/Kg	10/20/25 13:50	VW102025
156-60-5	trans-1,2-Dichloroethene	7.40	U	1	1.30	7.40	ug/Kg	10/20/25 13:50	VW102025
75-34-3	1,1-Dichloroethane	7.40	U	1	1.20	7.40	ug/Kg	10/20/25 13:50	VW102025
110-82-7	Cyclohexane	7.40	U	1	1.20	7.40	ug/Kg	10/20/25 13:50	VW102025
78-93-3	2-Butanone	75.1		1	9.60	36.8	ug/Kg	10/20/25 13:50	VW102025
56-23-5	Carbon Tetrachloride	7.40	U	1	1.40	7.40	ug/Kg	10/20/25 13:50	VW102025
156-59-2	cis-1,2-Dichloroethene	7.40	U	1	1.10	7.40	ug/Kg	10/20/25 13:50	VW102025
74-97-5	Bromochloromethane	7.40	U	1	1.70	7.40	ug/Kg	10/20/25 13:50	VW102025
67-66-3	Chloroform	7.40	U	1	1.20	7.40	ug/Kg	10/20/25 13:50	VW102025
71-55-6	1,1,1-Trichloroethane	7.40	U	1	1.40	7.40	ug/Kg	10/20/25 13:50	VW102025
108-87-2	Methylcyclohexane	27.3		1	1.30	7.40	ug/Kg	10/20/25 13:50	VW102025
71-43-2	Benzene	4.60	J	1	1.20	7.40	ug/Kg	10/20/25 13:50	VW102025
107-06-2	1,2-Dichloroethane	7.40	U	1	1.20	7.40	ug/Kg	10/20/25 13:50	VW102025
79-01-6	Trichloroethene	7.40	U	1	1.20	7.40	ug/Kg	10/20/25 13:50	VW102025
78-87-5	1,2-Dichloropropane	7.40	U	1	1.30	7.40	ug/Kg	10/20/25 13:50	VW102025
75-27-4	Bromodichloromethane	7.40	U	1	1.10	7.40	ug/Kg	10/20/25 13:50	VW102025
108-10-1	4-Methyl-2-Pentanone	36.8	U	1	5.30	36.8	ug/Kg	10/20/25 13:50	VW102025
108-88-3	Toluene	7.40	U	1	1.10	7.40	ug/Kg	10/20/25 13:50	VW102025
10061-02-6	t-1,3-Dichloropropene	7.40	U	1	0.96	7.40	ug/Kg	10/20/25 13:50	VW102025
10061-01-5	cis-1,3-Dichloropropene	7.40	U	1	0.91	7.40	ug/Kg	10/20/25 13:50	VW102025
79-00-5	1,1,2-Trichloroethane	7.40	U	1	1.40	7.40	ug/Kg	10/20/25 13:50	VW102025
591-78-6	2-Hexanone	36.8	U	1	5.40	36.8	ug/Kg	10/20/25 13:50	VW102025
124-48-1	Dibromochloromethane	7.40	U	1	1.30	7.40	ug/Kg	10/20/25 13:50	VW102025
106-93-4	1,2-Dibromoethane	7.40	U	1	1.30	7.40	ug/Kg	10/20/25 13:50	VW102025
127-18-4	Tetrachloroethene	7.40	U	1	1.50	7.40	ug/Kg	10/20/25 13:50	VW102025
108-90-7	Chlorobenzene	7.40	U	1	1.30	7.40	ug/Kg	10/20/25 13:50	VW102025
100-41-4	Ethyl Benzene	7.40	U	1	0.99	7.40	ug/Kg	10/20/25 13:50	VW102025
179601-23-1	m/p-Xylenes	14.7	U	1	1.80	14.7	ug/Kg	10/20/25 13:50	VW102025
95-47-6	o-Xylene	9.70		1	1.20	7.40	ug/Kg	10/20/25 13:50	VW102025
100-42-5	Styrene	7.40	U	1	1.00	7.40	ug/Kg	10/20/25 13:50	VW102025
75-25-2	Bromoform	7.40	U	1	1.30	7.40	ug/Kg	10/20/25 13:50	VW102025

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-000057-202510	SDG No.:	Q3375
Lab Sample ID:	Q3375-03	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	66.7
Sample Wt/Vol:	5.09 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	7.40	U	1	1.10	7.40	ug/Kg	10/20/25 13:50	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	7.40	U	1	1.80	7.40	ug/Kg	10/20/25 13:50	VW102025
541-73-1	1,3-Dichlorobenzene	7.40	U	1	2.50	7.40	ug/Kg	10/20/25 13:50	VW102025
106-46-7	1,4-Dichlorobenzene	7.40	U	1	2.30	7.40	ug/Kg	10/20/25 13:50	VW102025
95-50-1	1,2-Dichlorobenzene	7.40	U	1	2.10	7.40	ug/Kg	10/20/25 13:50	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	7.40	U	1	2.70	7.40	ug/Kg	10/20/25 13:50	VW102025
120-82-1	1,2,4-Trichlorobenzene	7.40	U	1	4.40	7.40	ug/Kg	10/20/25 13:50	VW102025
87-61-6	1,2,3-Trichlorobenzene	7.40	U	1	4.70	7.40	ug/Kg	10/20/25 13:50	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	72.4			63 - 155	145%	SPK: 50		
1868-53-7	Dibromofluoromethane	58.9			70 - 134	118%	SPK: 50		
2037-26-5	Toluene-d8	59.3			74 - 123	119%	SPK: 50		
460-00-4	4-Bromofluorobenzene	63.7			17 - 146	127%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	183000							
540-36-3	1,4-Difluorobenzene	435000							
3114-55-4	Chlorobenzene-d5	461000							
3855-82-1	1,4-Dichlorobenzene-d4	222000							
TENTATIVE IDENTIFIED COMPOUNDS									
002051-30-1	Octane, 2,6-dimethyl-	95.8	J			12.3	ug/Kg		
014676-29-0	Heptane, 3-ethyl-2-methyl-	170	J			12.4	ug/Kg		
108-67-8	1,3,5-Trimethylbenzene	4.60	J			12.9	ug/Kg		
000493-02-7	Naphthalene, decahydro-, trans-	97.2	J			13.9	ug/Kg		
017301-23-4	Undecane, 2,6-dimethyl-	100	J			14.8	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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-010074-202510	SDG No.:	Q3375
Lab Sample ID:	Q3375-04	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	55.3
Sample Wt/Vol:	3.83 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	11.8	U	1	2.70	11.8	ug/Kg	10/20/25 14:12	VW102025
74-87-3	Chloromethane	11.8	U	1	2.70	11.8	ug/Kg	10/20/25 14:12	VW102025
75-01-4	Vinyl Chloride	11.8	U	1	1.90	11.8	ug/Kg	10/20/25 14:12	VW102025
74-83-9	Bromomethane	11.8	U	1	2.50	11.8	ug/Kg	10/20/25 14:12	VW102025
75-00-3	Chloroethane	11.8	U	1	3.00	11.8	ug/Kg	10/20/25 14:12	VW102025
75-69-4	Trichlorofluoromethane	11.8	U	1	2.90	11.8	ug/Kg	10/20/25 14:12	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	11.8	U	1	2.50	11.8	ug/Kg	10/20/25 14:12	VW102025
75-35-4	1,1-Dichloroethene	11.8	U	1	2.40	11.8	ug/Kg	10/20/25 14:12	VW102025
67-64-1	Acetone	300		1	11.2	59.0	ug/Kg	10/20/25 14:12	VW102025
75-15-0	Carbon Disulfide	12.0		1	2.50	11.8	ug/Kg	10/20/25 14:12	VW102025
1634-04-4	Methyl tert-butyl Ether	11.8	U	1	1.70	11.8	ug/Kg	10/20/25 14:12	VW102025
79-20-9	Methyl Acetate	11.8	U	1	3.60	11.8	ug/Kg	10/20/25 14:12	VW102025
75-09-2	Methylene Chloride	23.6	U	1	8.30	23.6	ug/Kg	10/20/25 14:12	VW102025
156-60-5	trans-1,2-Dichloroethene	11.8	U	1	2.00	11.8	ug/Kg	10/20/25 14:12	VW102025
75-34-3	1,1-Dichloroethane	11.8	U	1	1.90	11.8	ug/Kg	10/20/25 14:12	VW102025
110-82-7	Cyclohexane	11.8	U	1	1.90	11.8	ug/Kg	10/20/25 14:12	VW102025
78-93-3	2-Butanone	88.5		1	15.4	59.0	ug/Kg	10/20/25 14:12	VW102025
56-23-5	Carbon Tetrachloride	11.8	U	1	2.30	11.8	ug/Kg	10/20/25 14:12	VW102025
156-59-2	cis-1,2-Dichloroethene	11.8	U	1	1.80	11.8	ug/Kg	10/20/25 14:12	VW102025
74-97-5	Bromochloromethane	11.8	U	1	2.70	11.8	ug/Kg	10/20/25 14:12	VW102025
67-66-3	Chloroform	11.8	U	1	2.00	11.8	ug/Kg	10/20/25 14:12	VW102025
71-55-6	1,1,1-Trichloroethane	11.8	U	1	2.20	11.8	ug/Kg	10/20/25 14:12	VW102025
108-87-2	Methylcyclohexane	54.7		1	2.10	11.8	ug/Kg	10/20/25 14:12	VW102025
71-43-2	Benzene	11.8	U	1	1.90	11.8	ug/Kg	10/20/25 14:12	VW102025
107-06-2	1,2-Dichloroethane	11.8	U	1	1.90	11.8	ug/Kg	10/20/25 14:12	VW102025
79-01-6	Trichloroethene	11.8	U	1	1.90	11.8	ug/Kg	10/20/25 14:12	VW102025
78-87-5	1,2-Dichloropropane	11.8	U	1	2.10	11.8	ug/Kg	10/20/25 14:12	VW102025
75-27-4	Bromodichloromethane	11.8	U	1	1.80	11.8	ug/Kg	10/20/25 14:12	VW102025
108-10-1	4-Methyl-2-Pentanone	59.0	U	1	8.50	59.0	ug/Kg	10/20/25 14:12	VW102025
108-88-3	Toluene	11.8	U	1	1.80	11.8	ug/Kg	10/20/25 14:12	VW102025
10061-02-6	t-1,3-Dichloropropene	11.8	U	1	1.50	11.8	ug/Kg	10/20/25 14:12	VW102025
10061-01-5	cis-1,3-Dichloropropene	11.8	U	1	1.50	11.8	ug/Kg	10/20/25 14:12	VW102025
79-00-5	1,1,2-Trichloroethane	11.8	U	1	2.20	11.8	ug/Kg	10/20/25 14:12	VW102025
591-78-6	2-Hexanone	59.0	U	1	8.70	59.0	ug/Kg	10/20/25 14:12	VW102025
124-48-1	Dibromochloromethane	11.8	U	1	2.10	11.8	ug/Kg	10/20/25 14:12	VW102025
106-93-4	1,2-Dibromoethane	11.8	U	1	2.10	11.8	ug/Kg	10/20/25 14:12	VW102025
127-18-4	Tetrachloroethene	11.8	U	1	2.50	11.8	ug/Kg	10/20/25 14:12	VW102025
108-90-7	Chlorobenzene	11.8	U	1	2.10	11.8	ug/Kg	10/20/25 14:12	VW102025
100-41-4	Ethyl Benzene	11.8	U	1	1.60	11.8	ug/Kg	10/20/25 14:12	VW102025
179601-23-1	m/p-Xylenes	23.6	U	1	2.90	23.6	ug/Kg	10/20/25 14:12	VW102025
95-47-6	o-Xylene	9.40	J	1	1.90	11.8	ug/Kg	10/20/25 14:12	VW102025
100-42-5	Styrene	11.8	U	1	1.70	11.8	ug/Kg	10/20/25 14:12	VW102025
75-25-2	Bromoform	11.8	U	1	2.00	11.8	ug/Kg	10/20/25 14:12	VW102025

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-010074-202510	SDG No.:	Q3375
Lab Sample ID:	Q3375-04	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 55.3
Sample Wt/Vol:	3.83 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	14.4		1	1.80	11.8	ug/Kg	10/20/25 14:12	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	11.8	U	1	2.90	11.8	ug/Kg	10/20/25 14:12	VW102025
541-73-1	1,3-Dichlorobenzene	11.8	U	1	4.00	11.8	ug/Kg	10/20/25 14:12	VW102025
106-46-7	1,4-Dichlorobenzene	11.8	U	1	3.70	11.8	ug/Kg	10/20/25 14:12	VW102025
95-50-1	1,2-Dichlorobenzene	11.8	U	1	3.40	11.8	ug/Kg	10/20/25 14:12	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	11.8	U	1	4.30	11.8	ug/Kg	10/20/25 14:12	VW102025
120-82-1	1,2,4-Trichlorobenzene	11.8	U	1	7.00	11.8	ug/Kg	10/20/25 14:12	VW102025
87-61-6	1,2,3-Trichlorobenzene	11.8	U	1	7.50	11.8	ug/Kg	10/20/25 14:12	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.4			63 - 155	117%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.2			70 - 134	104%	SPK: 50		
2037-26-5	Toluene-d8	55.2			74 - 123	110%	SPK: 50		
460-00-4	4-Bromofluorobenzene	61.5			17 - 146	123%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	206000							
540-36-3	1,4-Difluorobenzene	455000							
3114-55-4	Chlorobenzene-d5	446000							
3855-82-1	1,4-Dichlorobenzene-d4	202000							
TENTATIVE IDENTIFIED COMPOUNDS									
002051-30-1	Octane, 2,6-dimethyl-	180	J			12.3	ug/Kg		
108-67-8	1,3,5-Trimethylbenzene	11.2	J			12.9	ug/Kg		
95-63-6	1,2,4-Trimethylbenzene	20.7	J			13.3	ug/Kg		
99-87-6	p-Isopropyltoluene	7.80	J			13.5	ug/Kg		
000091-17-8	Naphthalene, decahydro-	110	J			13.9	ug/Kg		
017301-23-4	Undecane, 2,6-dimethyl-	170	J			14.8	ug/Kg		
003891-98-3	Dodecane, 2,6,10-trimethyl-	130	J			16.3	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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP02-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-05	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 66.7
Sample Wt/Vol:	3.08 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	12.2	U	1	2.80	12.2	ug/Kg	10/20/25 14:34	VW102025
74-87-3	Chloromethane	12.2	U	1	2.80	12.2	ug/Kg	10/20/25 14:34	VW102025
75-01-4	Vinyl Chloride	12.2	U	1	1.90	12.2	ug/Kg	10/20/25 14:34	VW102025
74-83-9	Bromomethane	12.2	U	1	2.60	12.2	ug/Kg	10/20/25 14:34	VW102025
75-00-3	Chloroethane	12.2	U	1	3.10	12.2	ug/Kg	10/20/25 14:34	VW102025
75-69-4	Trichlorofluoromethane	12.2	U	1	2.90	12.2	ug/Kg	10/20/25 14:34	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	12.2	U	1	2.60	12.2	ug/Kg	10/20/25 14:34	VW102025
75-35-4	1,1-Dichloroethene	12.2	U	1	2.40	12.2	ug/Kg	10/20/25 14:34	VW102025
67-64-1	Acetone	370		1	11.5	60.8	ug/Kg	10/20/25 14:34	VW102025
75-15-0	Carbon Disulfide	15.1		1	2.60	12.2	ug/Kg	10/20/25 14:34	VW102025
1634-04-4	Methyl tert-butyl Ether	12.2	U	1	1.80	12.2	ug/Kg	10/20/25 14:34	VW102025
79-20-9	Methyl Acetate	12.2	U	1	3.70	12.2	ug/Kg	10/20/25 14:34	VW102025
75-09-2	Methylene Chloride	24.3	U	1	8.60	24.3	ug/Kg	10/20/25 14:34	VW102025
156-60-5	trans-1,2-Dichloroethene	12.2	U	1	2.10	12.2	ug/Kg	10/20/25 14:34	VW102025
75-34-3	1,1-Dichloroethane	12.2	U	1	1.90	12.2	ug/Kg	10/20/25 14:34	VW102025
110-82-7	Cyclohexane	12.2	U	1	1.90	12.2	ug/Kg	10/20/25 14:34	VW102025
78-93-3	2-Butanone	110		1	15.9	60.8	ug/Kg	10/20/25 14:34	VW102025
56-23-5	Carbon Tetrachloride	12.2	U	1	2.40	12.2	ug/Kg	10/20/25 14:34	VW102025
156-59-2	cis-1,2-Dichloroethene	12.2	U	1	1.80	12.2	ug/Kg	10/20/25 14:34	VW102025
74-97-5	Bromochloromethane	12.2	U	1	2.80	12.2	ug/Kg	10/20/25 14:34	VW102025
67-66-3	Chloroform	12.2	U	1	2.00	12.2	ug/Kg	10/20/25 14:34	VW102025
71-55-6	1,1,1-Trichloroethane	12.2	U	1	2.30	12.2	ug/Kg	10/20/25 14:34	VW102025
108-87-2	Methylcyclohexane	36.8		1	2.20	12.2	ug/Kg	10/20/25 14:34	VW102025
71-43-2	Benzene	6.40	J	1	1.90	12.2	ug/Kg	10/20/25 14:34	VW102025
107-06-2	1,2-Dichloroethane	12.2	U	1	1.90	12.2	ug/Kg	10/20/25 14:34	VW102025
79-01-6	Trichloroethene	12.2	U	1	2.00	12.2	ug/Kg	10/20/25 14:34	VW102025
78-87-5	1,2-Dichloropropane	12.2	U	1	2.20	12.2	ug/Kg	10/20/25 14:34	VW102025
75-27-4	Bromodichloromethane	12.2	U	1	1.90	12.2	ug/Kg	10/20/25 14:34	VW102025
108-10-1	4-Methyl-2-Pentanone	60.8	U	1	8.70	60.8	ug/Kg	10/20/25 14:34	VW102025
108-88-3	Toluene	12.2	U	1	1.90	12.2	ug/Kg	10/20/25 14:34	VW102025
10061-02-6	t-1,3-Dichloropropene	12.2	U	1	1.60	12.2	ug/Kg	10/20/25 14:34	VW102025
10061-01-5	cis-1,3-Dichloropropene	12.2	U	1	1.50	12.2	ug/Kg	10/20/25 14:34	VW102025
79-00-5	1,1,2-Trichloroethane	12.2	U	1	2.20	12.2	ug/Kg	10/20/25 14:34	VW102025
591-78-6	2-Hexanone	60.8	U	1	9.00	60.8	ug/Kg	10/20/25 14:34	VW102025
124-48-1	Dibromochloromethane	12.2	U	1	2.10	12.2	ug/Kg	10/20/25 14:34	VW102025
106-93-4	1,2-Dibromoethane	12.2	U	1	2.10	12.2	ug/Kg	10/20/25 14:34	VW102025
127-18-4	Tetrachloroethene	12.2	U	1	2.60	12.2	ug/Kg	10/20/25 14:34	VW102025
108-90-7	Chlorobenzene	12.2	U	1	2.20	12.2	ug/Kg	10/20/25 14:34	VW102025
100-41-4	Ethyl Benzene	12.2	U	1	1.60	12.2	ug/Kg	10/20/25 14:34	VW102025
179601-23-1	m/p-Xylenes	24.3	U	1	3.00	24.3	ug/Kg	10/20/25 14:34	VW102025
95-47-6	o-Xylene	11.5	J	1	2.00	12.2	ug/Kg	10/20/25 14:34	VW102025
100-42-5	Styrene	12.2	U	1	1.70	12.2	ug/Kg	10/20/25 14:34	VW102025
75-25-2	Bromoform	12.2	U	1	2.10	12.2	ug/Kg	10/20/25 14:34	VW102025

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP02-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-05	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	66.7
Sample Wt/Vol:	3.08 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	12.2	U	1	1.90	12.2	ug/Kg	10/20/25 14:34	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	12.2	U	1	2.90	12.2	ug/Kg	10/20/25 14:34	VW102025
541-73-1	1,3-Dichlorobenzene	12.2	U	1	4.20	12.2	ug/Kg	10/20/25 14:34	VW102025
106-46-7	1,4-Dichlorobenzene	12.2	U	1	3.80	12.2	ug/Kg	10/20/25 14:34	VW102025
95-50-1	1,2-Dichlorobenzene	12.2	U	1	3.50	12.2	ug/Kg	10/20/25 14:34	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	12.2	U	1	4.50	12.2	ug/Kg	10/20/25 14:34	VW102025
120-82-1	1,2,4-Trichlorobenzene	12.2	U	1	7.20	12.2	ug/Kg	10/20/25 14:34	VW102025
87-61-6	1,2,3-Trichlorobenzene	12.2	U	1	7.70	12.2	ug/Kg	10/20/25 14:34	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	63.6			63 - 155	127%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.9			70 - 134	108%	SPK: 50		
2037-26-5	Toluene-d8	53.8			74 - 123	108%	SPK: 50		
460-00-4	4-Bromofluorobenzene	62.9			17 - 146	126%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	214000							
540-36-3	1,4-Difluorobenzene	486000							
3114-55-4	Chlorobenzene-d5	482000							
3855-82-1	1,4-Dichlorobenzene-d4	228000							
TENTATIVE IDENTIFIED COMPOUNDS									
001839-63-0	Cyclohexane, 1,3,5-trimethyl-	49.3	J			11.4	ug/Kg		
002051-30-1	Octane, 2,6-dimethyl-	96.7	J			12.3	ug/Kg		
014676-29-0	Heptane, 3-ethyl-2-methyl-	210	J			12.4	ug/Kg		
108-67-8	1,3,5-Trimethylbenzene	5.20	J			12.9	ug/Kg		
95-63-6	1,2,4-Trimethylbenzene	5.80	J			13.2	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

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q3375

Client: AECOM

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3375-01	PR132-S02-074099-20251016	1,2-Dichloroethane-d4	50	68.1	136		63	155
		Dibromofluoromethane	50	59.5	119		70	134
		Toluene-d8	50	58.0	116		74	123
		4-Bromofluorobenzene	50	59.6	119		17	146
Q3375-02	PR132-S04-000013-20251016	1,2-Dichloroethane-d4	50	61.5	123		63	155
		Dibromofluoromethane	50	57.0	114		70	134
		Toluene-d8	50	53.8	108		74	123
		4-Bromofluorobenzene	50	57.2	114		17	146
Q3375-03	PR132-S05-000057-20251016	1,2-Dichloroethane-d4	50	72.4	145		63	155
		Dibromofluoromethane	50	58.9	118		70	134
		Toluene-d8	50	59.3	119		74	123
		4-Bromofluorobenzene	50	63.7	127		17	146
Q3375-04	PR132-S02-010074-20251016	1,2-Dichloroethane-d4	50	58.4	117		63	155
		Dibromofluoromethane	50	52.2	104		70	134
		Toluene-d8	50	55.2	110		74	123
		4-Bromofluorobenzene	50	61.5	123		17	146
Q3375-05	PR132-DP02-20251016	1,2-Dichloroethane-d4	50	63.6	127		63	155
		Dibromofluoromethane	50	53.9	108		70	134
		Toluene-d8	50	53.8	108		74	123
		4-Bromofluorobenzene	50	62.9	126		17	146
VW1020SBL01	VW1020SBL01	1,2-Dichloroethane-d4	50	65.7	131		63	155
		Dibromofluoromethane	50	58.2	116		70	134
		Toluene-d8	50	54.5	109		74	123
		4-Bromofluorobenzene	50	51.8	104		17	146
VW1020SBS01	VW1020SBS01	1,2-Dichloroethane-d4	50	52.1	104		63	155
		Dibromofluoromethane	50	53.3	107		70	134
		Toluene-d8	50	53.0	106		74	123
		4-Bromofluorobenzene	50	51.7	103		17	146
VW1020SBSD0	VW1020SBSD01	1,2-Dichloroethane-d4	50	53.1	106		63	155
		Dibromofluoromethane	50	54.5	109		70	134
		Toluene-d8	50	54.5	109		74	123
		4-Bromofluorobenzene	50	52.8	106		17	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VW032380.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1020SBS01	Dichlorodifluoromethane	20	19.9	ug/Kg	100			64	136	
	Chloromethane	20	20.1	ug/Kg	101			52	151	
	Vinyl chloride	20	22.1	ug/Kg	111			56	148	
	Bromomethane	20	21.1	ug/Kg	106			58	141	
	Chloroethane	20	21.4	ug/Kg	107			69	130	
	Trichlorofluoromethane	20	19.4	ug/Kg	97			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.9	ug/Kg	104			81	123	
	1,1-Dichloroethene	20	21.7	ug/Kg	109			79	121	
	Acetone	100	97.1	ug/Kg	97			40	171	
	Carbon disulfide	20	21.1	ug/Kg	106			59	130	
	Methyl tert-butyl Ether	20	19.0	ug/Kg	95			77	129	
	Methyl Acetate	20	17.5	ug/Kg	88			69	149	
	Methylene Chloride	20	19.0	ug/Kg	95			72	131	
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105			80	123	
	1,1-Dichloroethane	20	20.8	ug/Kg	104			82	123	
	Cyclohexane	20	19.2	ug/Kg	96			76	122	
	2-Butanone	100	87.6	ug/Kg	88			69	131	
	Carbon Tetrachloride	20	22.0	ug/Kg	110			76	129	
	cis-1,2-Dichloroethene	20	20.3	ug/Kg	102			82	123	
	Bromochloromethane	20	20.8	ug/Kg	104			80	127	
	Chloroform	20	21.5	ug/Kg	108			82	125	
	1,1,1-Trichloroethane	20	21.5	ug/Kg	108			80	126	
	Methylcyclohexane	20	19.3	ug/Kg	97			77	123	
	Benzene	20	20.9	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	20.6	ug/Kg	103			81	126	
	Trichloroethene	20	20.3	ug/Kg	102			83	122	
	1,2-Dichloropropane	20	21.0	ug/Kg	105			83	122	
	Bromodichloromethane	20	22.0	ug/Kg	110			82	123	
	4-Methyl-2-Pentanone	100	92.3	ug/Kg	92			70	135	
	Toluene	20	20.8	ug/Kg	104			83	122	
	t-1,3-Dichloropropene	20	20.2	ug/Kg	101			78	124	
	cis-1,3-Dichloropropene	20	20.7	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	20.7	ug/Kg	104			82	125	
	2-Hexanone	100	92.8	ug/Kg	93			66	138	
	Dibromochloromethane	20	21.7	ug/Kg	109			79	125	
	1,2-Dibromoethane	20	20.3	ug/Kg	102			80	125	
	Tetrachloroethene	20	20.1	ug/Kg	101			83	125	
	Chlorobenzene	20	20.2	ug/Kg	101			84	122	
	Ethyl Benzene	20	20.5	ug/Kg	103			82	124	
	m/p-Xylenes	40	41.2	ug/Kg	103			83	124	
	o-Xylene	20	19.8	ug/Kg	99			83	123	
	Styrene	20	21.1	ug/Kg	106			82	124	
	Bromoform	20	21.5	ug/Kg	108			75	127	
	Isopropylbenzene	20	19.8	ug/Kg	99			82	124	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/Kg	95			77	127	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			83	122	
	1,4-Dichlorobenzene	20	20.3	ug/Kg	102			84	121	
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VW032380.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1020SBS01	1,2-Dibromo-3-Chloropropane	20	18.4	ug/Kg	92			66	134	
	1,2,4-Trichlorobenzene	20	19.2	ug/Kg	96			78	127	
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VW032381.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1020SBSD01	Dichlorodifluoromethane	20	21.7	ug/Kg	109	9		64	136	20
	Chloromethane	20	20.0	ug/Kg	100	1		52	151	20
	Vinyl chloride	20	21.4	ug/Kg	107	4		56	148	20
	Bromomethane	20	21.7	ug/Kg	109	3		58	141	20
	Chloroethane	20	21.6	ug/Kg	108	1		69	130	20
	Trichlorofluoromethane	20	21.6	ug/Kg	108	11		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103	1		81	123	20
	1,1-Dichloroethene	20	21.6	ug/Kg	108	1		79	121	20
	Acetone	100	110	ug/Kg	110	13		40	171	20
	Carbon disulfide	20	21.6	ug/Kg	108	2		59	130	20
	Methyl tert-butyl Ether	20	21.3	ug/Kg	106	11		77	129	20
	Methyl Acetate	20	20.9	ug/Kg	104	17		69	149	20
	Methylene Chloride	20	19.5	ug/Kg	98	3		72	131	20
	trans-1,2-Dichloroethene	20	21.5	ug/Kg	108	3		80	123	20
	1,1-Dichloroethane	20	21.5	ug/Kg	108	4		82	123	20
	Cyclohexane	20	19.7	ug/Kg	99	3		76	122	20
	2-Butanone	100	110	ug/Kg	110	22	*	69	131	20
	Carbon Tetrachloride	20	22.3	ug/Kg	112	2		76	129	20
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106	4		82	123	20
	Bromochloromethane	20	21.5	ug/Kg	108	4		80	127	20
	Chloroform	20	22.5	ug/Kg	113	5		82	125	20
	1,1,1-Trichloroethane	20	22.4	ug/Kg	112	4		80	126	20
	Methylcyclohexane	20	19.4	ug/Kg	97	0		77	123	20
	Benzene	20	21.8	ug/Kg	109	5		84	121	20
	1,2-Dichloroethane	20	22.0	ug/Kg	110	7		81	126	20
	Trichloroethene	20	21.9	ug/Kg	110	8		83	122	20
	1,2-Dichloropropane	20	22.2	ug/Kg	111	6		83	122	20
	Bromodichloromethane	20	23.0	ug/Kg	115	4		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	18		70	135	20
	Toluene	20	22.5	ug/Kg	113	8		83	122	20
	t-1,3-Dichloropropene	20	22.6	ug/Kg	113	11		78	124	20
	cis-1,3-Dichloropropene	20	22.1	ug/Kg	111	7		81	122	20
	1,1,2-Trichloroethane	20	22.6	ug/Kg	113	8		82	125	20
	2-Hexanone	100	110	ug/Kg	110	17		66	138	20
	Dibromochloromethane	20	23.9	ug/Kg	119	9		79	125	20
	1,2-Dibromoethane	20	22.8	ug/Kg	114	11		80	125	20
	Tetrachloroethene	20	21.7	ug/Kg	109	8		83	125	20
	Chlorobenzene	20	21.3	ug/Kg	106	5		84	122	20
	Ethyl Benzene	20	20.6	ug/Kg	103	0		82	124	20
	m/p-Xylenes	40	42.2	ug/Kg	106	3		83	124	20
	o-Xylene	20	20.7	ug/Kg	104	5		83	123	20
	Styrene	20	21.8	ug/Kg	109	3		82	124	20
	Bromoform	20	23.5	ug/Kg	117	8		75	127	20
	Isopropylbenzene	20	19.8	ug/Kg	99	0		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.8	ug/Kg	109	14		77	127	20
	1,3-Dichlorobenzene	20	21.5	ug/Kg	108	6		83	122	20
	1,4-Dichlorobenzene	20	21.0	ug/Kg	105	3		84	121	20
	1,2-Dichlorobenzene	20	21.3	ug/Kg	106	6		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VW032381.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1020SBSD01	1,2-Dibromo-3-Chloropropane	20	23.0	ug/Kg	115	22	*	66	134	20
	1,2,4-Trichlorobenzene	20	20.3	ug/Kg	102	6		78	127	20
	1,2,3-Trichlorobenzene	20	20.9	ug/Kg	104	9		70	137	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VW1020SBL01

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3375

Lab File ID: VW032379.D Lab Sample ID: VW1020SBL01

Date Analyzed: 10/20/2025 Time Analyzed: 11:11

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_W

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW1020SBS01	VW1020SBS01	VW032380.D	10/20/2025
VW1020SBSD01	VW1020SBSD01	VW032381.D	10/20/2025
PR132-S02-074099-20251016	Q3375-01	VW032383.D	10/20/2025
PR132-S04-000013-20251016	Q3375-02	VW032384.D	10/20/2025
PR132-S05-000057-20251016	Q3375-03	VW032385.D	10/20/2025
PR132-S02-010074-20251016	Q3375-04	VW032386.D	10/20/2025
PR132-DP02-20251016	Q3375-05	VW032387.D	10/20/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG NO.: Q3375
Lab File ID: VW032312.D
BFB Injection Date: 10/01/2025
Instrument ID: MSVOA_W
BFB Injection Time: 08:12
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	66.2
175	5.0 - 9.0% of mass 174	5.3 (8) 1
176	95.0 - 101.0% of mass 174	63.3 (95.6) 1
177	5.0 - 9.0% of mass 176	4.2 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VW032313.D	10/01/2025	13:12
VSTDICC010	VSTDICC010	VW032314.D	10/01/2025	13:34
VSTDICC020	VSTDICC020	VW032315.D	10/01/2025	14:15
VSTDICCC050	VSTDICCC050	VW032316.D	10/01/2025	14:37
VSTDICC100	VSTDICC100	VW032317.D	10/01/2025	14:59
VSTDICC150	VSTDICC150	VW032318.D	10/01/2025	15:20

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG NO.: Q3375
Lab File ID: VW032377.D
BFB Injection Date: 10/20/2025
Instrument ID: MSVOA_W
BFB Injection Time: 09:36
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.6
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.3 (0.5) 1
174	50.0 - 100.0% of mass 95	66.2
175	5.0 - 9.0% of mass 174	5.2 (7.8) 1
176	95.0 - 101.0% of mass 174	63.7 (96.2) 1
177	5.0 - 9.0% of mass 176	4.5 (7) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW032378.D	10/20/2025	10:20
VW1020SBL01	VW1020SBL01	VW032379.D	10/20/2025	11:11
VW1020SBS01	VW1020SBS01	VW032380.D	10/20/2025	11:41
VW1020SBSD01	VW1020SBSD01	VW032381.D	10/20/2025	12:03
PR132-S02-074099-20251016	Q3375-01	VW032383.D	10/20/2025	13:07
PR132-S04-000013-20251016	Q3375-02	VW032384.D	10/20/2025	13:29
PR132-S05-000057-20251016	Q3375-03	VW032385.D	10/20/2025	13:50
PR132-S02-010074-20251016	Q3375-04	VW032386.D	10/20/2025	14:12
PR132-DP02-20251016	Q3375-05	VW032387.D	10/20/2025	14:34

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3375

Lab File ID: VW032378.D Date Analyzed: 10/20/2025

Instrument ID: MSVOA_W Time Analyzed: 10:20

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	276051	7.97	500417	8.86	466876	11.63
UPPER LIMIT	552102	8.465	1000830	9.355	933752	12.129
LOWER LIMIT	138026	7.465	250209	8.355	233438	11.129
EPA SAMPLE NO.						
PR132-S02-074099-20251016	182142	7.96	406610	8.86	455957	11.64
PR132-S04-000013-20251016	190524	7.97	418533	8.85	462277	11.63
PR132-S05-000057-20251016	183471	7.97	434639	8.85	460571	11.63
PR132-S02-010074-20251016	206211	7.97	455416	8.85	446070	11.64
PR132-DP02-20251016	213761	7.96	486286	8.86	482157	11.64
VW1020SBL01	172114	7.96	392797	8.85	400571	11.63
VW1020SBS01	280998	7.96	517149	8.85	480746	11.63
VW1020SBSD01	280654	7.96	507546	8.86	481210	11.63

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3375

Lab File ID: VW032378.D Date Analyzed: 10/20/2025

Instrument ID: MSVOA_W Time Analyzed: 10:20

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	234766	13.556				
UPPER LIMIT	469532	14.056				
LOWER LIMIT	117383	13.056				
EPA SAMPLE NO.						
PR132-S02-074099-20251016	230143	13.56				
PR132-S04-000013-20251016	224932	13.56				
PR132-S05-000057-20251016	221559	13.56				
PR132-S02-010074-20251016	201731	13.56				
PR132-DP02-20251016	228053	13.56				
VW1020SBL01	188560	13.56				
VW1020SBS01	240746	13.56				
VW1020SBSD01	239754	13.56				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VW1020SBL01	SDG No.:	Q3375
Lab Sample ID:	VW1020SBL01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
74-87-3	Chloromethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
75-01-4	Vinyl Chloride	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
74-83-9	Bromomethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
75-00-3	Chloroethane	5.00	U	1	1.30	5.00	ug/Kg	10/20/25 11:11	VW102025
75-69-4	Trichlorofluoromethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 11:11	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
75-35-4	1,1-Dichloroethene	5.00	U	1	1.00	5.00	ug/Kg	10/20/25 11:11	VW102025
67-64-1	Acetone	25.0	U	1	4.70	25.0	ug/Kg	10/20/25 11:11	VW102025
75-15-0	Carbon Disulfide	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.73	5.00	ug/Kg	10/20/25 11:11	VW102025
79-20-9	Methyl Acetate	5.00	U	1	1.50	5.00	ug/Kg	10/20/25 11:11	VW102025
75-09-2	Methylene Chloride	10.0	U	1	3.50	10.0	ug/Kg	10/20/25 11:11	VW102025
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.86	5.00	ug/Kg	10/20/25 11:11	VW102025
75-34-3	1,1-Dichloroethane	5.00	U	1	0.80	5.00	ug/Kg	10/20/25 11:11	VW102025
110-82-7	Cyclohexane	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
78-93-3	2-Butanone	25.0	U	1	6.50	25.0	ug/Kg	10/20/25 11:11	VW102025
56-23-5	Carbon Tetrachloride	5.00	U	1	0.97	5.00	ug/Kg	10/20/25 11:11	VW102025
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.75	5.00	ug/Kg	10/20/25 11:11	VW102025
74-97-5	Bromochloromethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 11:11	VW102025
67-66-3	Chloroform	5.00	U	1	0.84	5.00	ug/Kg	10/20/25 11:11	VW102025
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.93	5.00	ug/Kg	10/20/25 11:11	VW102025
108-87-2	Methylcyclohexane	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 11:11	VW102025
71-43-2	Benzene	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
107-06-2	1,2-Dichloroethane	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
79-01-6	Trichloroethene	5.00	U	1	0.81	5.00	ug/Kg	10/20/25 11:11	VW102025
78-87-5	1,2-Dichloropropane	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 11:11	VW102025
75-27-4	Bromodichloromethane	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 11:11	VW102025
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	3.60	25.0	ug/Kg	10/20/25 11:11	VW102025
108-88-3	Toluene	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 11:11	VW102025
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.65	5.00	ug/Kg	10/20/25 11:11	VW102025
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.62	5.00	ug/Kg	10/20/25 11:11	VW102025
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.92	5.00	ug/Kg	10/20/25 11:11	VW102025
591-78-6	2-Hexanone	25.0	U	1	3.70	25.0	ug/Kg	10/20/25 11:11	VW102025
124-48-1	Dibromochloromethane	5.00	U	1	0.87	5.00	ug/Kg	10/20/25 11:11	VW102025
106-93-4	1,2-Dibromoethane	5.00	U	1	0.88	5.00	ug/Kg	10/20/25 11:11	VW102025
127-18-4	Tetrachloroethene	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
108-90-7	Chlorobenzene	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 11:11	VW102025
100-41-4	Ethyl Benzene	5.00	U	1	0.67	5.00	ug/Kg	10/20/25 11:11	VW102025
179601-23-1	m/p-Xylenes	10.0	U	1	1.20	10.0	ug/Kg	10/20/25 11:11	VW102025
95-47-6	o-Xylene	5.00	U	1	0.82	5.00	ug/Kg	10/20/25 11:11	VW102025
100-42-5	Styrene	5.00	U	1	0.71	5.00	ug/Kg	10/20/25 11:11	VW102025
75-25-2	Bromoform	5.00	U	1	0.86	5.00	ug/Kg	10/20/25 11:11	VW102025

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VW1020SBL01	SDG No.:	Q3375
Lab Sample ID:	VW1020SBL01	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	100
Sample Wt/Vol:	5 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 11:11	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 11:11	VW102025
541-73-1	1,3-Dichlorobenzene	5.00	U	1	1.70	5.00	ug/Kg	10/20/25 11:11	VW102025
106-46-7	1,4-Dichlorobenzene	5.00	U	1	1.60	5.00	ug/Kg	10/20/25 11:11	VW102025
95-50-1	1,2-Dichlorobenzene	5.00	U	1	1.50	5.00	ug/Kg	10/20/25 11:11	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	1.80	5.00	ug/Kg	10/20/25 11:11	VW102025
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	3.00	5.00	ug/Kg	10/20/25 11:11	VW102025
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	3.20	5.00	ug/Kg	10/20/25 11:11	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	65.7			63 - 155	131%	SPK: 50		
1868-53-7	Dibromofluoromethane	58.2			70 - 134	116%	SPK: 50		
2037-26-5	Toluene-d8	54.5			74 - 123	109%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.8			17 - 146	104%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	172000							
540-36-3	1,4-Difluorobenzene	393000							
3114-55-4	Chlorobenzene-d5	401000							
3855-82-1	1,4-Dichlorobenzene-d4	189000							

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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VW1020SBS01	SDG No.:	Q3375
Lab Sample ID:	VW1020SBS01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	19.9		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
74-87-3	Chloromethane	20.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
75-01-4	Vinyl Chloride	22.1		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
74-83-9	Bromomethane	21.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
75-00-3	Chloroethane	21.4		1	1.30	5.00	ug/Kg	10/20/25 11:41	VW102025
75-69-4	Trichlorofluoromethane	19.4		1	1.20	5.00	ug/Kg	10/20/25 11:41	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	20.9		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
75-35-4	1,1-Dichloroethene	21.7		1	1.00	5.00	ug/Kg	10/20/25 11:41	VW102025
67-64-1	Acetone	97.1		1	4.70	25.0	ug/Kg	10/20/25 11:41	VW102025
75-15-0	Carbon Disulfide	21.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
1634-04-4	Methyl tert-butyl Ether	19.0		1	0.73	5.00	ug/Kg	10/20/25 11:41	VW102025
79-20-9	Methyl Acetate	17.5		1	1.50	5.00	ug/Kg	10/20/25 11:41	VW102025
75-09-2	Methylene Chloride	19.0		1	3.50	10.0	ug/Kg	10/20/25 11:41	VW102025
156-60-5	trans-1,2-Dichloroethene	21.0		1	0.86	5.00	ug/Kg	10/20/25 11:41	VW102025
75-34-3	1,1-Dichloroethane	20.8		1	0.80	5.00	ug/Kg	10/20/25 11:41	VW102025
110-82-7	Cyclohexane	19.2		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
78-93-3	2-Butanone	87.6		1	6.50	25.0	ug/Kg	10/20/25 11:41	VW102025
56-23-5	Carbon Tetrachloride	22.0		1	0.97	5.00	ug/Kg	10/20/25 11:41	VW102025
156-59-2	cis-1,2-Dichloroethene	20.3		1	0.75	5.00	ug/Kg	10/20/25 11:41	VW102025
74-97-5	Bromochloromethane	20.8		1	1.20	5.00	ug/Kg	10/20/25 11:41	VW102025
67-66-3	Chloroform	21.5		1	0.84	5.00	ug/Kg	10/20/25 11:41	VW102025
71-55-6	1,1,1-Trichloroethane	21.5		1	0.93	5.00	ug/Kg	10/20/25 11:41	VW102025
108-87-2	Methylcyclohexane	19.3		1	0.91	5.00	ug/Kg	10/20/25 11:41	VW102025
71-43-2	Benzene	20.9		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
107-06-2	1,2-Dichloroethane	20.6		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
79-01-6	Trichloroethene	20.3		1	0.81	5.00	ug/Kg	10/20/25 11:41	VW102025
78-87-5	1,2-Dichloropropane	21.0		1	0.91	5.00	ug/Kg	10/20/25 11:41	VW102025
75-27-4	Bromodichloromethane	22.0		1	0.78	5.00	ug/Kg	10/20/25 11:41	VW102025
108-10-1	4-Methyl-2-Pentanone	92.3		1	3.60	25.0	ug/Kg	10/20/25 11:41	VW102025
108-88-3	Toluene	20.8		1	0.78	5.00	ug/Kg	10/20/25 11:41	VW102025
10061-02-6	t-1,3-Dichloropropene	20.2		1	0.65	5.00	ug/Kg	10/20/25 11:41	VW102025
10061-01-5	cis-1,3-Dichloropropene	20.7		1	0.62	5.00	ug/Kg	10/20/25 11:41	VW102025
79-00-5	1,1,2-Trichloroethane	20.7		1	0.92	5.00	ug/Kg	10/20/25 11:41	VW102025
591-78-6	2-Hexanone	92.8		1	3.70	25.0	ug/Kg	10/20/25 11:41	VW102025
124-48-1	Dibromochloromethane	21.7		1	0.87	5.00	ug/Kg	10/20/25 11:41	VW102025
106-93-4	1,2-Dibromoethane	20.3		1	0.88	5.00	ug/Kg	10/20/25 11:41	VW102025
127-18-4	Tetrachloroethene	20.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
108-90-7	Chlorobenzene	20.2		1	0.91	5.00	ug/Kg	10/20/25 11:41	VW102025
100-41-4	Ethyl Benzene	20.5		1	0.67	5.00	ug/Kg	10/20/25 11:41	VW102025
179601-23-1	m/p-Xylenes	41.2		1	1.20	10.0	ug/Kg	10/20/25 11:41	VW102025
95-47-6	o-Xylene	19.8		1	0.82	5.00	ug/Kg	10/20/25 11:41	VW102025
100-42-5	Styrene	21.1		1	0.71	5.00	ug/Kg	10/20/25 11:41	VW102025
75-25-2	Bromoform	21.5		1	0.86	5.00	ug/Kg	10/20/25 11:41	VW102025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VW1020SBS01	SDG No.:	Q3375
Lab Sample ID:	VW1020SBS01	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	100
Sample Wt/Vol:	5 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.8		1	0.78	5.00	ug/Kg	10/20/25 11:41	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	18.9		1	1.20	5.00	ug/Kg	10/20/25 11:41	VW102025
541-73-1	1,3-Dichlorobenzene	20.4		1	1.70	5.00	ug/Kg	10/20/25 11:41	VW102025
106-46-7	1,4-Dichlorobenzene	20.3		1	1.60	5.00	ug/Kg	10/20/25 11:41	VW102025
95-50-1	1,2-Dichlorobenzene	20.0		1	1.50	5.00	ug/Kg	10/20/25 11:41	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		1	1.80	5.00	ug/Kg	10/20/25 11:41	VW102025
120-82-1	1,2,4-Trichlorobenzene	19.2		1	3.00	5.00	ug/Kg	10/20/25 11:41	VW102025
87-61-6	1,2,3-Trichlorobenzene	19.0		1	3.20	5.00	ug/Kg	10/20/25 11:41	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.1			63 - 155	104%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.3			70 - 134	107%	SPK: 50		
2037-26-5	Toluene-d8	53.0			74 - 123	106%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.7			17 - 146	103%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	281000							
540-36-3	1,4-Difluorobenzene	517000							
3114-55-4	Chlorobenzene-d5	481000							
3855-82-1	1,4-Dichlorobenzene-d4	241000							

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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VW1020SBSD01	SDG No.:	Q3375
Lab Sample ID:	VW1020SBSD01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	21.7		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
74-87-3	Chloromethane	20.0		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
75-01-4	Vinyl Chloride	21.4		1	0.79	5.00	ug/Kg	10/20/25 12:03	VW102025
74-83-9	Bromomethane	21.7		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
75-00-3	Chloroethane	21.6		1	1.30	5.00	ug/Kg	10/20/25 12:03	VW102025
75-69-4	Trichlorofluoromethane	21.6		1	1.20	5.00	ug/Kg	10/20/25 12:03	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
75-35-4	1,1-Dichloroethene	21.6		1	1.00	5.00	ug/Kg	10/20/25 12:03	VW102025
67-64-1	Acetone	110		1	4.70	25.0	ug/Kg	10/20/25 12:03	VW102025
75-15-0	Carbon Disulfide	21.6		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
1634-04-4	Methyl tert-butyl Ether	21.3		1	0.73	5.00	ug/Kg	10/20/25 12:03	VW102025
79-20-9	Methyl Acetate	20.9		1	1.50	5.00	ug/Kg	10/20/25 12:03	VW102025
75-09-2	Methylene Chloride	19.5		1	3.50	10.0	ug/Kg	10/20/25 12:03	VW102025
156-60-5	trans-1,2-Dichloroethene	21.5		1	0.86	5.00	ug/Kg	10/20/25 12:03	VW102025
75-34-3	1,1-Dichloroethane	21.5		1	0.80	5.00	ug/Kg	10/20/25 12:03	VW102025
110-82-7	Cyclohexane	19.7		1	0.79	5.00	ug/Kg	10/20/25 12:03	VW102025
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	10/20/25 12:03	VW102025
56-23-5	Carbon Tetrachloride	22.3		1	0.97	5.00	ug/Kg	10/20/25 12:03	VW102025
156-59-2	cis-1,2-Dichloroethene	21.2		1	0.75	5.00	ug/Kg	10/20/25 12:03	VW102025
74-97-5	Bromochloromethane	21.5		1	1.20	5.00	ug/Kg	10/20/25 12:03	VW102025
67-66-3	Chloroform	22.5		1	0.84	5.00	ug/Kg	10/20/25 12:03	VW102025
71-55-6	1,1,1-Trichloroethane	22.4		1	0.93	5.00	ug/Kg	10/20/25 12:03	VW102025
108-87-2	Methylcyclohexane	19.4		1	0.91	5.00	ug/Kg	10/20/25 12:03	VW102025
71-43-2	Benzene	21.8		1	0.79	5.00	ug/Kg	10/20/25 12:03	VW102025
107-06-2	1,2-Dichloroethane	22.0		1	0.79	5.00	ug/Kg	10/20/25 12:03	VW102025
79-01-6	Trichloroethene	21.9		1	0.81	5.00	ug/Kg	10/20/25 12:03	VW102025
78-87-5	1,2-Dichloropropane	22.2		1	0.91	5.00	ug/Kg	10/20/25 12:03	VW102025
75-27-4	Bromodichloromethane	23.0		1	0.78	5.00	ug/Kg	10/20/25 12:03	VW102025
108-10-1	4-Methyl-2-Pentanone	110		1	3.60	25.0	ug/Kg	10/20/25 12:03	VW102025
108-88-3	Toluene	22.5		1	0.78	5.00	ug/Kg	10/20/25 12:03	VW102025
10061-02-6	t-1,3-Dichloropropene	22.6		1	0.65	5.00	ug/Kg	10/20/25 12:03	VW102025
10061-01-5	cis-1,3-Dichloropropene	22.1		1	0.62	5.00	ug/Kg	10/20/25 12:03	VW102025
79-00-5	1,1,2-Trichloroethane	22.6		1	0.92	5.00	ug/Kg	10/20/25 12:03	VW102025
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	10/20/25 12:03	VW102025
124-48-1	Dibromochloromethane	23.9		1	0.87	5.00	ug/Kg	10/20/25 12:03	VW102025
106-93-4	1,2-Dibromoethane	22.8		1	0.88	5.00	ug/Kg	10/20/25 12:03	VW102025
127-18-4	Tetrachloroethene	21.7		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
108-90-7	Chlorobenzene	21.3		1	0.91	5.00	ug/Kg	10/20/25 12:03	VW102025
100-41-4	Ethyl Benzene	20.6		1	0.67	5.00	ug/Kg	10/20/25 12:03	VW102025
179601-23-1	m/p-Xylenes	42.2		1	1.20	10.0	ug/Kg	10/20/25 12:03	VW102025
95-47-6	o-Xylene	20.7		1	0.82	5.00	ug/Kg	10/20/25 12:03	VW102025
100-42-5	Styrene	21.8		1	0.71	5.00	ug/Kg	10/20/25 12:03	VW102025
75-25-2	Bromoform	23.5		1	0.86	5.00	ug/Kg	10/20/25 12:03	VW102025

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VW1020SBSD01	SDG No.:	Q3375
Lab Sample ID:	VW1020SBSD01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.8		1	0.78	5.00	ug/Kg	10/20/25 12:03	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	21.8		1	1.20	5.00	ug/Kg	10/20/25 12:03	VW102025
541-73-1	1,3-Dichlorobenzene	21.5		1	1.70	5.00	ug/Kg	10/20/25 12:03	VW102025
106-46-7	1,4-Dichlorobenzene	21.0		1	1.60	5.00	ug/Kg	10/20/25 12:03	VW102025
95-50-1	1,2-Dichlorobenzene	21.3		1	1.50	5.00	ug/Kg	10/20/25 12:03	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	23.0		1	1.80	5.00	ug/Kg	10/20/25 12:03	VW102025
120-82-1	1,2,4-Trichlorobenzene	20.3		1	3.00	5.00	ug/Kg	10/20/25 12:03	VW102025
87-61-6	1,2,3-Trichlorobenzene	20.9		1	3.20	5.00	ug/Kg	10/20/25 12:03	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.1			63 - 155	106%	SPK: 50		
1868-53-7	Dibromofluoromethane	54.5			70 - 134	109%	SPK: 50		
2037-26-5	Toluene-d8	54.5			74 - 123	109%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.8			17 - 146	106%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	281000							
540-36-3	1,4-Difluorobenzene	508000							
3114-55-4	Chlorobenzene-d5	481000							
3855-82-1	1,4-Dichlorobenzene-d4	240000							

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

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG No.: Q3375

Instrument ID: MSVOA_W | Calibration Date(s): 10/01/2025 10/01/2025

Heated Purge: (Y/N) Y | Calibration Time(s): 13:12 15:20

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VW032313.D RRF010 = VW032314.D RRF020 = VW032315.D
RRF050 = VW032316.D RRF100 = VW032317.D RRF150 = VW032318.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.347	0.343	0.345	0.264	0.284	0.299	0.314	11.5
Chloromethane	0.532	0.527	0.516	0.418	0.450	0.463	0.484	9.7
Vinyl Chloride	0.625	0.636	0.606	0.529	0.533	0.538	0.578	8.6
Bromomethane	0.483	0.472	0.435	0.382	0.391	0.386	0.425	10.6
Chloroethane	0.405	0.409	0.394	0.356	0.365	0.361	0.382	6.3
Trichlorofluoromethane	0.426	0.453	0.430	0.418	0.422	0.447	0.433	3.3
1,1,2-Trichlorotrifluoroethane	0.609	0.569	0.524	0.465	0.469	0.478	0.519	11.5
1,1-Dichloroethene	0.588	0.608	0.595	0.521	0.534	0.535	0.564	6.7
Acetone	0.235	0.230	0.209	0.183	0.174	0.181	0.202	13.1
Carbon Disulfide	1.581	1.583	1.581	1.442	1.517	1.521	1.538	3.7
Methyl tert-butyl Ether	1.087	1.161	1.150	1.069	1.094	1.099	1.110	3.3
Methyl Acetate	0.478	0.597	0.612	0.624	0.567	0.592	0.578	9.1
Methylene Chloride	1.280	1.052	0.811	0.631	0.630	0.625	0.838	32.6
trans-1,2-Dichloroethene	0.649	0.640	0.636	0.589	0.613	0.617	0.624	3.6
1,1-Dichloroethane	1.238	1.261	1.244	1.132	1.169	1.172	1.203	4.3
Cyclohexane	1.228	1.108	1.042	0.911	0.931	0.939	1.027	12.1
2-Butanone	0.271	0.293	0.286	0.262	0.262	0.277	0.275	4.6
Carbon Tetrachloride	0.446	0.441	0.427	0.403	0.434	0.429	0.430	3.5
cis-1,2-Dichloroethene	0.768	0.763	0.766	0.716	0.740	0.744	0.749	2.7
Bromochloromethane	0.566	0.588	0.583	0.547	0.553	0.557	0.566	2.9
Chloroform	1.257	1.275	1.271	1.146	1.191	1.178	1.220	4.5
1,1,1-Trichloroethane	0.906	0.910	0.896	0.816	0.835	0.822	0.864	5.1
Methylcyclohexane	0.585	0.542	0.529	0.521	0.568	0.561	0.551	4.5
Benzene	1.518	1.494	1.440	1.345	1.424	1.373	1.432	4.7
1,2-Dichloroethane	0.487	0.497	0.472	0.442	0.461	0.453	0.469	4.4
Trichloroethene	0.354	0.348	0.330	0.312	0.339	0.329	0.335	4.5
1,2-Dichloropropane	0.370	0.371	0.363	0.341	0.355	0.346	0.358	3.4
Bromodichloromethane	0.507	0.517	0.500	0.480	0.513	0.500	0.503	2.6
4-Methyl-2-Pentanone	0.289	0.325	0.318	0.312	0.314	0.317	0.313	3.9
Toluene	0.909	0.905	0.897	0.857	0.908	0.876	0.892	2.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG No.: Q3375

Instrument ID: MSVOA_W | Calibration Date(s): 10/01/2025 10/01/2025

Heated Purge: (Y/N) Y | Calibration Time(s): 13:12 15:20

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VW032313.D RRF010 = VW032314.D RRF020 = VW032315.D
RRF050 = VW032316.D RRF100 = VW032317.D RRF150 = VW032318.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.451	0.482	0.469	0.478	0.525	0.523	0.488	6.1
cis-1,3-Dichloropropene	0.531	0.571	0.550	0.544	0.591	0.584	0.562	4.2
1,1,2-Trichloroethane	0.304	0.307	0.295	0.280	0.293	0.285	0.294	3.6
2-Hexanone	0.202	0.225	0.226	0.219	0.223	0.228	0.220	4.4
Dibromochloromethane	0.317	0.327	0.334	0.326	0.355	0.343	0.334	4
1,2-Dibromoethane	0.286	0.295	0.288	0.278	0.285	0.287	0.287	2
Tetrachloroethene	0.327	0.325	0.299	0.278	0.287	0.279	0.299	7.3
Chlorobenzene	1.159	1.140	1.109	1.028	1.094	1.070	1.100	4.3
Ethyl Benzene	1.822	1.861	1.843	1.734	1.897	1.845	1.834	3
m/p-Xylenes	0.704	0.720	0.715	0.668	0.730	0.705	0.707	3
o-Xylene	0.632	0.665	0.653	0.637	0.701	0.678	0.661	3.9
Styrene	1.090	1.143	1.199	1.124	1.186	1.186	1.155	3.7
Bromoform	0.179	0.207	0.192	0.189	0.202	0.209	0.196	6
Isopropylbenzene	3.316	3.159	3.364	3.327	3.645	3.714	3.421	6.2
1,1,2,2-Tetrachloroethane	0.867	0.867	0.851	0.808	0.833	0.869	0.849	2.9
1,3-Dichlorobenzene	1.765	1.650	1.625	1.600	1.658	1.722	1.670	3.7
1,4-Dichlorobenzene	1.839	1.673	1.700	1.548	1.661	1.597	1.670	6
1,2-Dichlorobenzene	1.541	1.549	1.557	1.402	1.467	1.540	1.509	4.1
1,2-Dibromo-3-Chloropropane	0.146	0.144	0.150	0.146	0.147	0.160	0.149	3.8
1,2,4-Trichlorobenzene	0.956	0.842	0.865	0.833	0.938	0.997	0.905	7.5
1,2,3-Trichlorobenzene	0.893	0.818	0.839	0.810	0.864	0.895	0.853	4.3
1,2-Dichloroethane-d4	0.738	0.758	0.765	0.695	0.714	0.706	0.729	4
Dibromofluoromethane	0.331	0.335	0.327	0.306	0.331	0.311	0.324	3.8
Toluene-d8	1.182	1.204	1.166	1.193	1.231	1.194	1.195	1.8
4-Bromofluorobenzene	0.472	0.449	0.436	0.448	0.459	0.446	0.452	2.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG No.: Q3375
Instrument ID: MSVOA_W
Calibration Date/Time: 10/20/2025 10:20
Lab File ID: VW032378.D
Init. Calib. Date(s): 10/01/2025 10/01/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 13:12 15:20
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.314	0.311		-0.95	20
Chloromethane	0.484	0.459	0.1	-5.16	20
Vinyl Chloride	0.578	0.608		5.19	20
Bromomethane	0.425	0.444		4.47	20
Chloroethane	0.382	0.416		8.9	20
Trichlorofluoromethane	0.433	0.501		15.7	20
1,1,2-Trichlorotrifluoroethane	0.519	0.563		8.48	20
1,1-Dichloroethene	0.564	0.625		10.82	20
Acetone	0.202	0.196		-2.97	20
Carbon Disulfide	1.538	1.711		11.25	20
Methyl tert-butyl Ether	1.110	1.198		7.93	20
Methyl Acetate	0.578	0.649		12.28	20
Methylene Chloride	0.838	0.723		-13.72	20
trans-1,2-Dichloroethene	0.624	0.698		11.86	20
1,1-Dichloroethane	1.203	1.322	0.1	9.89	20
Cyclohexane	1.027	1.031		0.39	20
2-Butanone	0.275	0.276		0.36	20
Carbon Tetrachloride	0.430	0.504		17.21	20
cis-1,2-Dichloroethene	0.749	0.820		9.48	20
Bromochloromethane	0.566	0.610		7.77	20
Chloroform	1.220	1.377		12.87	20
1,1,1-Trichloroethane	0.864	0.981		13.54	20
Methylcyclohexane	0.551	0.593		7.62	20
Benzene	1.432	1.599		11.66	20
1,2-Dichloroethane	0.469	0.515		9.81	20
Trichloroethene	0.335	0.366		9.25	20
1,2-Dichloropropane	0.358	0.402		12.29	20
Bromodichloromethane	0.503	0.597		18.69	20
4-Methyl-2-Pentanone	0.313	0.344		9.9	20
Toluene	0.892	1.027		15.14	20
t-1,3-Dichloropropene	0.488	0.563		15.37	20
cis-1,3-Dichloropropene	0.562	0.643		14.41	20
1,1,2-Trichloroethane	0.294	0.336		14.29	20
2-Hexanone	0.220	0.244		10.91	20
Dibromochloromethane	0.334	0.413		23.65	20
1,2-Dibromoethane	0.287	0.319		11.15	20
Tetrachloroethene	0.299	0.315		5.35	20
Chlorobenzene	1.100	1.171	0.3	6.45	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG No.: Q3375

Instrument ID: MSVOA_W | Calibration Date/Time: 10/20/2025 10:20

Lab File ID: VW032378.D | Init. Calib. Date(s): 10/01/2025 10/01/2025

Heated Purge: (Y/N) Y | Init. Calib. Time(s): 13:12 15:20

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.834	2.060		12.32	20
m/p-Xylenes	0.707	0.797		12.73	20
o-Xylene	0.661	0.740		11.95	20
Styrene	1.155	1.345		16.45	20
Bromoform	0.196	0.242	0.1	23.47	20
Isopropylbenzene	3.421	3.733		9.12	20
1,1,2,2-Tetrachloroethane	0.849	0.868	0.3	2.24	20
1,3-Dichlorobenzene	1.670	1.766		5.75	20
1,4-Dichlorobenzene	1.670	1.805		8.08	20
1,2-Dichlorobenzene	1.509	1.604		6.3	20
1,2-Dibromo-3-Chloropropane	0.149	0.158		6.04	20
1,2,4-Trichlorobenzene	0.905	0.957		5.75	20
1,2,3-Trichlorobenzene	0.853	0.902		5.74	20
1,2-Dichloroethane-d4	0.729	0.743		1.92	20
Dibromofluoromethane	0.324	0.347		7.1	20
Toluene-d8	1.195	1.278		6.95	20
4-Bromofluorobenzene	0.452	0.470		3.98	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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LAB CHRONICLE

OrderID:	Q3375	**OrderDate:**	10/17/2025 10:32:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3375-01	**PR132-S02-074099-2 0251016**	**SOIL**			**10/16/25**			**10/16/25**
			SVOC-TCL BNA -20	8270E		10/20/25	10/21/25	
Q3375-02	**PR132-S04-000013-2 0251016**	**SOIL**			**10/16/25**			**10/16/25**
			SVOC-TCL BNA -20	8270E		10/20/25	10/21/25	
Q3375-03	**PR132-S05-000057-2 0251016**	**SOIL**			**10/16/25**			**10/16/25**
			SVOC-TCL BNA -20	8270E		10/20/25	10/21/25	
Q3375-04	**PR132-S02-010074-2 0251016**	**SOIL**			**10/16/25**			**10/16/25**
			SVOC-TCL BNA -20	8270E		10/20/25	10/21/25	
Q3375-05	**PR132-DP02-074099-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			SVOC-TCL BNA -20	8270E		10/20/25	10/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3375

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : PR132-S02-074099-20251016									
Q3375-01	PR132-S02-074099-2025	SOIL	Benzophenone	*	280.000	J	0	0	ug/Kg
Q3375-01	PR132-S02-074099-2025	SOIL	Tridecanoic acid	*	240.000	J	0	0	ug/Kg
			Total Tics :		**520.00**				
			Total Concentration:		**520.00**				
Client ID : PR132-S04-000013-20251016									
Q3375-02	PR132-S04-000013-2025	SOIL	Benzophenone	*	390.000	J	0	0	ug/Kg
Q3375-02	PR132-S04-000013-2025	SOIL	n-Hexadecanoic acid	*	250.000	J	0	0	ug/Kg
Q3375-02	PR132-S04-000013-2025	SOIL	Pentafluoropropionic acid, heptad	*	220.000	J	0	0	ug/Kg
			Total Tics :		**860.00**				
			Total Concentration:		**860.00**				
Client ID : PR132-S05-000057-20251016									
Q3375-03	PR132-S05-000057-2025	SOIL	Benzophenone	*	220.000	J	0	0	ug/Kg
			Total Tics :		**220.00**				
			Total Concentration:		**220.00**				
Client ID : PR132-S02-010074-20251016									
Q3375-04	PR132-S02-010074-2025	SOIL	Benzo(a)pyrene		130.000	J	53.3	310	ug/Kg
			Total Svoc :		**130.00**				
Q3375-04	PR132-S02-010074-2025	SOIL	1-Heneicosanol	*	270.000	J	0	0	ug/Kg
Q3375-04	PR132-S02-010074-2025	SOIL	Benzophenone	*	460.000	J	0	0	ug/Kg
Q3375-04	PR132-S02-010074-2025	SOIL	Dodecane, 2,7,10-trimethyl-	*	170.000	J	0	0	ug/Kg
Q3375-04	PR132-S02-010074-2025	SOIL	Tridecane	*	180.000	J	0	0	ug/Kg
Q3375-04	PR132-S02-010074-2025	SOIL	Tridecanoic acid	*	330.000	J	0	0	ug/Kg
Q3375-04	PR132-S02-010074-2025	SOIL	Undecane, 2,6-dimethyl-	*	140.000	J	0	0	ug/Kg
			Total Tics :		**1,550.00**				
			Total Concentration:		**1,680.00**				
Client ID : PR132-DP02-074099-20251016									
Q3375-05	PR132-DP02-074099-202	SOIL	Phenanthrene		99.800	J	31.3	250	ug/Kg
Q3375-05	PR132-DP02-074099-202	SOIL	Fluoranthene		160.000	J	44.9	250	ug/Kg
Q3375-05	PR132-DP02-074099-202	SOIL	Bis(2-ethylhexyl)phthalate		130.000	J	88.6	250	ug/Kg
			Total Svoc :		**389.80**				
Q3375-05	PR132-DP02-074099-202	SOIL	Benzophenone	*	300.000	J	0	0	ug/Kg
Q3375-05	PR132-DP02-074099-202	SOIL	Cyclopentadecane	*	150.000	J	0	0	ug/Kg
Q3375-05	PR132-DP02-074099-202	SOIL	n-Hexadecanoic acid	*	280.000	J	0	0	ug/Kg
			Total Tics :		**730.00**				
			Total Concentration:		**1,119.80**				

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Hit Summary Sheet
SW-846

SDG No.: Q3375

Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-074099-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	69.2
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	480	U	1	230	480	ug/Kg	10/21/25 16:32	PB170165
108-95-2	Phenol	250	U	1	31.9	250	ug/Kg	10/21/25 16:32	PB170165
111-44-4	bis(2-Chloroethyl)ether	250	U	1	35.1	250	ug/Kg	10/21/25 16:32	PB170165
95-57-8	2-Chlorophenol	250	U	1	35.2	250	ug/Kg	10/21/25 16:32	PB170165
95-48-7	2-Methylphenol	250	U	1	43.2	250	ug/Kg	10/21/25 16:32	PB170165
108-60-1	2,2-oxybis(1-Chloropropane)	250	U	1	54.2	250	ug/Kg	10/21/25 16:32	PB170165
98-86-2	Acetophenone	250	U	1	42.6	250	ug/Kg	10/21/25 16:32	PB170165
65794-96-9	3+4-Methylphenols	480	U	1	59.4	480	ug/Kg	10/21/25 16:32	PB170165
621-64-7	n-Nitroso-di-n-propylamine	120	U	1	68.5	120	ug/Kg	10/21/25 16:32	PB170165
67-72-1	Hexachloroethane	250	U	1	25.4	250	ug/Kg	10/21/25 16:32	PB170165
98-95-3	Nitrobenzene	250	U	1	26.4	250	ug/Kg	10/21/25 16:32	PB170165
78-59-1	Isophorone	250	U	1	47.4	250	ug/Kg	10/21/25 16:32	PB170165
88-75-5	2-Nitrophenol	250	U	1	84.0	250	ug/Kg	10/21/25 16:32	PB170165
105-67-9	2,4-Dimethylphenol	250	U	1	93.6	250	ug/Kg	10/21/25 16:32	PB170165
111-91-1	bis(2-Chloroethoxy)methane	250	U	1	44.5	250	ug/Kg	10/21/25 16:32	PB170165
120-83-2	2,4-Dichlorophenol	250	U	1	40.9	250	ug/Kg	10/21/25 16:32	PB170165
91-20-3	Naphthalene	250	U	1	32.8	250	ug/Kg	10/21/25 16:32	PB170165
106-47-8	4-Chloroaniline	250	U	1	51.1	250	ug/Kg	10/21/25 16:32	PB170165
87-68-3	Hexachlorobutadiene	250	U	1	36.5	250	ug/Kg	10/21/25 16:32	PB170165
105-60-2	Caprolactam	480	U	1	75.2	480	ug/Kg	10/21/25 16:32	PB170165
59-50-7	4-Chloro-3-methylphenol	250	U	1	41.4	250	ug/Kg	10/21/25 16:32	PB170165
91-57-6	2-Methylnaphthalene	250	U	1	37.0	250	ug/Kg	10/21/25 16:32	PB170165
77-47-4	Hexachlorocyclopentadiene	480	U	1	170	480	ug/Kg	10/21/25 16:32	PB170165
88-06-2	2,4,6-Trichlorophenol	250	U	1	28.6	250	ug/Kg	10/21/25 16:32	PB170165
95-95-4	2,4,5-Trichlorophenol	250	U	1	42.0	250	ug/Kg	10/21/25 16:32	PB170165
92-52-4	1,1-Biphenyl	250	U	1	31.5	250	ug/Kg	10/21/25 16:32	PB170165
91-58-7	2-Chloronaphthalene	250	U	1	32.5	250	ug/Kg	10/21/25 16:32	PB170165
88-74-4	2-Nitroaniline	250	U	1	69.5	250	ug/Kg	10/21/25 16:32	PB170165
131-11-3	Dimethylphthalate	250	U	1	39.1	250	ug/Kg	10/21/25 16:32	PB170165
208-96-8	Acenaphthylene	250	U	1	41.7	250	ug/Kg	10/21/25 16:32	PB170165
606-20-2	2,6-Dinitrotoluene	250	U	1	48.5	250	ug/Kg	10/21/25 16:32	PB170165
99-09-2	3-Nitroaniline	250	U	1	66.4	250	ug/Kg	10/21/25 16:32	PB170165
83-32-9	Acenaphthene	250	U	1	30.8	250	ug/Kg	10/21/25 16:32	PB170165
51-28-5	2,4-Dinitrophenol	480	U	1	330	480	ug/Kg	10/21/25 16:32	PB170165
100-02-7	4-Nitrophenol	480	U	1	150	480	ug/Kg	10/21/25 16:32	PB170165
132-64-9	Dibenzofuran	250	U	1	32.8	250	ug/Kg	10/21/25 16:32	PB170165
121-14-2	2,4-Dinitrotoluene	250	U	1	72.4	250	ug/Kg	10/21/25 16:32	PB170165
84-66-2	Diethylphthalate	250	U	1	40.9	250	ug/Kg	10/21/25 16:32	PB170165
7005-72-3	4-Chlorophenyl-phenylether	250	U	1	38.6	250	ug/Kg	10/21/25 16:32	PB170165
86-73-7	Fluorene	250	U	1	36.5	250	ug/Kg	10/21/25 16:32	PB170165
100-01-6	4-Nitroaniline	250	U	1	92.7	250	ug/Kg	10/21/25 16:32	PB170165
534-52-1	4,6-Dinitro-2-methylphenol	480	U	1	150	480	ug/Kg	10/21/25 16:32	PB170165

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-074099-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	69.2
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	250	U	1	47.5	250	ug/Kg	10/21/25 16:32	PB170165
101-55-3	4-Bromophenyl-phenylether	250	U	1	40.1	250	ug/Kg	10/21/25 16:32	PB170165
118-74-1	Hexachlorobenzene	250	U	1	36.5	250	ug/Kg	10/21/25 16:32	PB170165
1912-24-9	Atrazine	250	U	1	49.1	250	ug/Kg	10/21/25 16:32	PB170165
87-86-5	Pentachlorophenol	480	U	1	74.1	480	ug/Kg	10/21/25 16:32	PB170165
85-01-8	Phenanthrene	250	U	1	30.2	250	ug/Kg	10/21/25 16:32	PB170165
120-12-7	Anthracene	250	U	1	48.1	250	ug/Kg	10/21/25 16:32	PB170165
86-74-8	Carbazole	250	U	1	45.1	250	ug/Kg	10/21/25 16:32	PB170165
84-74-2	Di-n-butylphthalate	250	U	1	69.2	250	ug/Kg	10/21/25 16:32	PB170165
206-44-0	Fluoranthene	250	U	1	43.3	250	ug/Kg	10/21/25 16:32	PB170165
129-00-0	Pyrene	250	U	1	52.0	250	ug/Kg	10/21/25 16:32	PB170165
85-68-7	Butylbenzylphthalate	250	U	1	100	250	ug/Kg	10/21/25 16:32	PB170165
91-94-1	3,3-Dichlorobenzidine	480	U	1	53.0	480	ug/Kg	10/21/25 16:32	PB170165
56-55-3	Benzo(a)anthracene	250	U	1	33.2	250	ug/Kg	10/21/25 16:32	PB170165
218-01-9	Chrysene	250	U	1	28.7	250	ug/Kg	10/21/25 16:32	PB170165
117-81-7	Bis(2-ethylhexyl)phthalate	250	U	1	85.5	250	ug/Kg	10/21/25 16:32	PB170165
117-84-0	Di-n-octyl phthalate	480	U	1	130	480	ug/Kg	10/21/25 16:32	PB170165
205-99-2	Benzo(b)fluoranthene	250	U	1	27.4	250	ug/Kg	10/21/25 16:32	PB170165
207-08-9	Benzo(k)fluoranthene	250	U	1	32.3	250	ug/Kg	10/21/25 16:32	PB170165
50-32-8	Benzo(a)pyrene	250	U	1	42.6	250	ug/Kg	10/21/25 16:32	PB170165
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	1	42.0	250	ug/Kg	10/21/25 16:32	PB170165
53-70-3	Dibenzo(a,h)anthracene	250	U	1	39.6	250	ug/Kg	10/21/25 16:32	PB170165
191-24-2	Benzo(g,h,i)perylene	250	U	1	37.1	250	ug/Kg	10/21/25 16:32	PB170165
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	1	37.0	250	ug/Kg	10/21/25 16:32	PB170165
123-91-1	1,4-Dioxane	250	U	1	65.3	250	ug/Kg	10/21/25 16:32	PB170165
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	1	39.6	250	ug/Kg	10/21/25 16:32	PB170165
SURROGATES									
367-12-4	2-Fluorophenol	67.8			18 - 112	45%	SPK: 150		
13127-88-3	Phenol-d6	65.1			15 - 107	43%	SPK: 150		
4165-60-0	Nitrobenzene-d5	43.7			18 - 107	44%	SPK: 100		
321-60-8	2-Fluorobiphenyl	38.6			20 - 109	39%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	57.6			10 - 116	38%	SPK: 150		
1718-51-0	Terphenyl-d14	28.1			10 - 105	28%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	110000							
1146-65-2	Naphthalene-d8	402000							
15067-26-2	Acenaphthene-d10	203000							
1517-22-2	Phenanthrene-d10	319000							
1719-03-5	Chrysene-d12	282000							
1520-96-3	Perylene-d12	335000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	280	J			10.6	ug/Kg		
000638-53-9	Tridecanoic acid	240	J			11.9	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-074099-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-01	Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid: 69.2
Sample Wt/Vol:	30.02 g	Final Vol: 1000 uL	Test: SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/20/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S04-000013-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	74.7
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	440	U	1	210	440	ug/Kg	10/21/25 17:02	PB170165
108-95-2	Phenol	230	U	1	29.5	230	ug/Kg	10/21/25 17:02	PB170165
111-44-4	bis(2-Chloroethyl)ether	230	U	1	32.5	230	ug/Kg	10/21/25 17:02	PB170165
95-57-8	2-Chlorophenol	230	U	1	32.6	230	ug/Kg	10/21/25 17:02	PB170165
95-48-7	2-Methylphenol	230	U	1	39.9	230	ug/Kg	10/21/25 17:02	PB170165
108-60-1	2,2-oxybis(1-Chloropropane)	230	U	1	50.1	230	ug/Kg	10/21/25 17:02	PB170165
98-86-2	Acetophenone	230	U	1	39.4	230	ug/Kg	10/21/25 17:02	PB170165
65794-96-9	3+4-Methylphenols	440	U	1	54.9	440	ug/Kg	10/21/25 17:02	PB170165
621-64-7	n-Nitroso-di-n-propylamine	110	U	1	63.3	110	ug/Kg	10/21/25 17:02	PB170165
67-72-1	Hexachloroethane	230	U	1	23.5	230	ug/Kg	10/21/25 17:02	PB170165
98-95-3	Nitrobenzene	230	U	1	24.4	230	ug/Kg	10/21/25 17:02	PB170165
78-59-1	Isophorone	230	U	1	43.8	230	ug/Kg	10/21/25 17:02	PB170165
88-75-5	2-Nitrophenol	230	U	1	77.7	230	ug/Kg	10/21/25 17:02	PB170165
105-67-9	2,4-Dimethylphenol	230	U	1	86.5	230	ug/Kg	10/21/25 17:02	PB170165
111-91-1	bis(2-Chloroethoxy)methane	230	U	1	41.1	230	ug/Kg	10/21/25 17:02	PB170165
120-83-2	2,4-Dichlorophenol	230	U	1	37.8	230	ug/Kg	10/21/25 17:02	PB170165
91-20-3	Naphthalene	230	U	1	30.3	230	ug/Kg	10/21/25 17:02	PB170165
106-47-8	4-Chloroaniline	230	U	1	47.3	230	ug/Kg	10/21/25 17:02	PB170165
87-68-3	Hexachlorobutadiene	230	U	1	33.8	230	ug/Kg	10/21/25 17:02	PB170165
105-60-2	Caprolactam	440	U	1	69.6	440	ug/Kg	10/21/25 17:02	PB170165
59-50-7	4-Chloro-3-methylphenol	230	U	1	38.3	230	ug/Kg	10/21/25 17:02	PB170165
91-57-6	2-Methylnaphthalene	230	U	1	34.2	230	ug/Kg	10/21/25 17:02	PB170165
77-47-4	Hexachlorocyclopentadiene	440	U	1	150	440	ug/Kg	10/21/25 17:02	PB170165
88-06-2	2,4,6-Trichlorophenol	230	U	1	26.4	230	ug/Kg	10/21/25 17:02	PB170165
95-95-4	2,4,5-Trichlorophenol	230	U	1	38.9	230	ug/Kg	10/21/25 17:02	PB170165
92-52-4	1,1-Biphenyl	230	U	1	29.1	230	ug/Kg	10/21/25 17:02	PB170165
91-58-7	2-Chloronaphthalene	230	U	1	30.1	230	ug/Kg	10/21/25 17:02	PB170165
88-74-4	2-Nitroaniline	230	U	1	64.2	230	ug/Kg	10/21/25 17:02	PB170165
131-11-3	Dimethylphthalate	230	U	1	36.2	230	ug/Kg	10/21/25 17:02	PB170165
208-96-8	Acenaphthylene	230	U	1	38.6	230	ug/Kg	10/21/25 17:02	PB170165
606-20-2	2,6-Dinitrotoluene	230	U	1	44.9	230	ug/Kg	10/21/25 17:02	PB170165
99-09-2	3-Nitroaniline	230	U	1	61.4	230	ug/Kg	10/21/25 17:02	PB170165
83-32-9	Acenaphthene	230	U	1	28.4	230	ug/Kg	10/21/25 17:02	PB170165
51-28-5	2,4-Dinitrophenol	440	U	1	310	440	ug/Kg	10/21/25 17:02	PB170165
100-02-7	4-Nitrophenol	440	U	1	140	440	ug/Kg	10/21/25 17:02	PB170165
132-64-9	Dibenzofuran	230	U	1	30.3	230	ug/Kg	10/21/25 17:02	PB170165
121-14-2	2,4-Dinitrotoluene	230	U	1	66.9	230	ug/Kg	10/21/25 17:02	PB170165
84-66-2	Diethylphthalate	230	U	1	37.8	230	ug/Kg	10/21/25 17:02	PB170165
7005-72-3	4-Chlorophenyl-phenylether	230	U	1	35.7	230	ug/Kg	10/21/25 17:02	PB170165
86-73-7	Fluorene	230	U	1	33.8	230	ug/Kg	10/21/25 17:02	PB170165
100-01-6	4-Nitroaniline	230	U	1	85.7	230	ug/Kg	10/21/25 17:02	PB170165
534-52-1	4,6-Dinitro-2-methylphenol	440	U	1	140	440	ug/Kg	10/21/25 17:02	PB170165

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S04-000013-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	74.7
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	230	U	1	43.9	230	ug/Kg	10/21/25 17:02	PB170165
101-55-3	4-Bromophenyl-phenylether	230	U	1	37.1	230	ug/Kg	10/21/25 17:02	PB170165
118-74-1	Hexachlorobenzene	230	U	1	33.8	230	ug/Kg	10/21/25 17:02	PB170165
1912-24-9	Atrazine	230	U	1	45.4	230	ug/Kg	10/21/25 17:02	PB170165
87-86-5	Pentachlorophenol	440	U	1	68.5	440	ug/Kg	10/21/25 17:02	PB170165
85-01-8	Phenanthrene	230	U	1	27.9	230	ug/Kg	10/21/25 17:02	PB170165
120-12-7	Anthracene	230	U	1	44.5	230	ug/Kg	10/21/25 17:02	PB170165
86-74-8	Carbazole	230	U	1	41.7	230	ug/Kg	10/21/25 17:02	PB170165
84-74-2	Di-n-butylphthalate	230	U	1	64.0	230	ug/Kg	10/21/25 17:02	PB170165
206-44-0	Fluoranthene	230	U	1	40.1	230	ug/Kg	10/21/25 17:02	PB170165
129-00-0	Pyrene	230	U	1	48.1	230	ug/Kg	10/21/25 17:02	PB170165
85-68-7	Butylbenzylphthalate	230	U	1	95.4	230	ug/Kg	10/21/25 17:02	PB170165
91-94-1	3,3-Dichlorobenzidine	440	U	1	49.0	440	ug/Kg	10/21/25 17:02	PB170165
56-55-3	Benzo(a)anthracene	230	U	1	30.7	230	ug/Kg	10/21/25 17:02	PB170165
218-01-9	Chrysene	230	U	1	26.6	230	ug/Kg	10/21/25 17:02	PB170165
117-81-7	Bis(2-ethylhexyl)phthalate	230	U	1	79.1	230	ug/Kg	10/21/25 17:02	PB170165
117-84-0	Di-n-octyl phthalate	440	U	1	120	440	ug/Kg	10/21/25 17:02	PB170165
205-99-2	Benzo(b)fluoranthene	230	U	1	25.4	230	ug/Kg	10/21/25 17:02	PB170165
207-08-9	Benzo(k)fluoranthene	230	U	1	29.9	230	ug/Kg	10/21/25 17:02	PB170165
50-32-8	Benzo(a)pyrene	230	U	1	39.4	230	ug/Kg	10/21/25 17:02	PB170165
193-39-5	Indeno(1,2,3-cd)pyrene	230	U	1	38.9	230	ug/Kg	10/21/25 17:02	PB170165
53-70-3	Dibenzo(a,h)anthracene	230	U	1	36.6	230	ug/Kg	10/21/25 17:02	PB170165
191-24-2	Benzo(g,h,i)perylene	230	U	1	34.3	230	ug/Kg	10/21/25 17:02	PB170165
95-94-3	1,2,4,5-Tetrachlorobenzene	230	U	1	34.2	230	ug/Kg	10/21/25 17:02	PB170165
123-91-1	1,4-Dioxane	230	U	1	60.4	230	ug/Kg	10/21/25 17:02	PB170165
58-90-2	2,3,4,6-Tetrachlorophenol	230	U	1	36.6	230	ug/Kg	10/21/25 17:02	PB170165
SURROGATES									
367-12-4	2-Fluorophenol	87.8			18 - 112	59%	SPK: 150		
13127-88-3	Phenol-d6	85.8			15 - 107	57%	SPK: 150		
4165-60-0	Nitrobenzene-d5	61.3			18 - 107	61%	SPK: 100		
321-60-8	2-Fluorobiphenyl	61.2			20 - 109	61%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	79.9			10 - 116	53%	SPK: 150		
1718-51-0	Terphenyl-d14	44.1			10 - 105	44%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	117000							
1146-65-2	Naphthalene-d8	420000							
15067-26-2	Acenaphthene-d10	202000							
1517-22-2	Phenanthrene-d10	309000							
1719-03-5	Chrysene-d12	254000							
1520-96-3	Perylene-d12	319000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	390	J			10.6	ug/Kg		
000057-10-3	n-Hexadecanoic acid	250	J			11.9	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S04-000013-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	74.7
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
959218-78-1	Pentafluoropropionic acid, heptade	220	J			13.9	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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-000057-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-03	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	66.7
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	490	U	1	230	490	ug/Kg	10/21/25 17:31	PB170165
108-95-2	Phenol	250	U	1	33.1	250	ug/Kg	10/21/25 17:31	PB170165
111-44-4	bis(2-Chloroethyl)ether	250	U	1	36.4	250	ug/Kg	10/21/25 17:31	PB170165
95-57-8	2-Chlorophenol	250	U	1	36.5	250	ug/Kg	10/21/25 17:31	PB170165
95-48-7	2-Methylphenol	250	U	1	44.8	250	ug/Kg	10/21/25 17:31	PB170165
108-60-1	2,2-oxybis(1-Chloropropane)	250	U	1	56.2	250	ug/Kg	10/21/25 17:31	PB170165
98-86-2	Acetophenone	250	U	1	44.2	250	ug/Kg	10/21/25 17:31	PB170165
65794-96-9	3+4-Methylphenols	490	U	1	61.6	490	ug/Kg	10/21/25 17:31	PB170165
621-64-7	n-Nitroso-di-n-propylamine	120	U	1	71.0	120	ug/Kg	10/21/25 17:31	PB170165
67-72-1	Hexachloroethane	250	U	1	26.4	250	ug/Kg	10/21/25 17:31	PB170165
98-95-3	Nitrobenzene	250	U	1	27.4	250	ug/Kg	10/21/25 17:31	PB170165
78-59-1	Isophorone	250	U	1	49.1	250	ug/Kg	10/21/25 17:31	PB170165
88-75-5	2-Nitrophenol	250	U	1	87.2	250	ug/Kg	10/21/25 17:31	PB170165
105-67-9	2,4-Dimethylphenol	250	U	1	97.1	250	ug/Kg	10/21/25 17:31	PB170165
111-91-1	bis(2-Chloroethoxy)methane	250	U	1	46.1	250	ug/Kg	10/21/25 17:31	PB170165
120-83-2	2,4-Dichlorophenol	250	U	1	42.4	250	ug/Kg	10/21/25 17:31	PB170165
91-20-3	Naphthalene	250	U	1	34.0	250	ug/Kg	10/21/25 17:31	PB170165
106-47-8	4-Chloroaniline	250	U	1	53.0	250	ug/Kg	10/21/25 17:31	PB170165
87-68-3	Hexachlorobutadiene	250	U	1	37.9	250	ug/Kg	10/21/25 17:31	PB170165
105-60-2	Caprolactam	490	U	1	78.0	490	ug/Kg	10/21/25 17:31	PB170165
59-50-7	4-Chloro-3-methylphenol	250	U	1	43.0	250	ug/Kg	10/21/25 17:31	PB170165
91-57-6	2-Methylnaphthalene	250	U	1	38.3	250	ug/Kg	10/21/25 17:31	PB170165
77-47-4	Hexachlorocyclopentadiene	490	U	1	170	490	ug/Kg	10/21/25 17:31	PB170165
88-06-2	2,4,6-Trichlorophenol	250	U	1	29.7	250	ug/Kg	10/21/25 17:31	PB170165
95-95-4	2,4,5-Trichlorophenol	250	U	1	43.6	250	ug/Kg	10/21/25 17:31	PB170165
92-52-4	1,1-Biphenyl	250	U	1	32.7	250	ug/Kg	10/21/25 17:31	PB170165
91-58-7	2-Chloronaphthalene	250	U	1	33.7	250	ug/Kg	10/21/25 17:31	PB170165
88-74-4	2-Nitroaniline	250	U	1	72.0	250	ug/Kg	10/21/25 17:31	PB170165
131-11-3	Dimethylphthalate	250	U	1	40.6	250	ug/Kg	10/21/25 17:31	PB170165
208-96-8	Acenaphthylene	250	U	1	43.3	250	ug/Kg	10/21/25 17:31	PB170165
606-20-2	2,6-Dinitrotoluene	250	U	1	50.3	250	ug/Kg	10/21/25 17:31	PB170165
99-09-2	3-Nitroaniline	250	U	1	68.9	250	ug/Kg	10/21/25 17:31	PB170165
83-32-9	Acenaphthene	250	U	1	31.9	250	ug/Kg	10/21/25 17:31	PB170165
51-28-5	2,4-Dinitrophenol	490	U	1	340	490	ug/Kg	10/21/25 17:31	PB170165
100-02-7	4-Nitrophenol	490	U	1	160	490	ug/Kg	10/21/25 17:31	PB170165
132-64-9	Dibenzofuran	250	U	1	34.0	250	ug/Kg	10/21/25 17:31	PB170165
121-14-2	2,4-Dinitrotoluene	250	U	1	75.0	250	ug/Kg	10/21/25 17:31	PB170165
84-66-2	Diethylphthalate	250	U	1	42.4	250	ug/Kg	10/21/25 17:31	PB170165
7005-72-3	4-Chlorophenyl-phenylether	250	U	1	40.0	250	ug/Kg	10/21/25 17:31	PB170165
86-73-7	Fluorene	250	U	1	37.9	250	ug/Kg	10/21/25 17:31	PB170165
100-01-6	4-Nitroaniline	250	U	1	96.2	250	ug/Kg	10/21/25 17:31	PB170165
534-52-1	4,6-Dinitro-2-methylphenol	490	U	1	150	490	ug/Kg	10/21/25 17:31	PB170165

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-000057-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-03	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	66.7
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	250	U	1	49.3	250	ug/Kg	10/21/25 17:31	PB170165
101-55-3	4-Bromophenyl-phenylether	250	U	1	41.6	250	ug/Kg	10/21/25 17:31	PB170165
118-74-1	Hexachlorobenzene	250	U	1	37.9	250	ug/Kg	10/21/25 17:31	PB170165
1912-24-9	Atrazine	250	U	1	50.9	250	ug/Kg	10/21/25 17:31	PB170165
87-86-5	Pentachlorophenol	490	U	1	76.8	490	ug/Kg	10/21/25 17:31	PB170165
85-01-8	Phenanthrene	250	U	1	31.3	250	ug/Kg	10/21/25 17:31	PB170165
120-12-7	Anthracene	250	U	1	49.9	250	ug/Kg	10/21/25 17:31	PB170165
86-74-8	Carbazole	250	U	1	46.7	250	ug/Kg	10/21/25 17:31	PB170165
84-74-2	Di-n-butylphthalate	250	U	1	71.7	250	ug/Kg	10/21/25 17:31	PB170165
206-44-0	Fluoranthene	250	U	1	44.9	250	ug/Kg	10/21/25 17:31	PB170165
129-00-0	Pyrene	250	U	1	53.9	250	ug/Kg	10/21/25 17:31	PB170165
85-68-7	Butylbenzylphthalate	250	U	1	110	250	ug/Kg	10/21/25 17:31	PB170165
91-94-1	3,3-Dichlorobenzidine	490	U	1	55.0	490	ug/Kg	10/21/25 17:31	PB170165
56-55-3	Benzo(a)anthracene	250	U	1	34.4	250	ug/Kg	10/21/25 17:31	PB170165
218-01-9	Chrysene	250	U	1	29.8	250	ug/Kg	10/21/25 17:31	PB170165
117-81-7	Bis(2-ethylhexyl)phthalate	250	U	1	88.7	250	ug/Kg	10/21/25 17:31	PB170165
117-84-0	Di-n-octyl phthalate	490	U	1	130	490	ug/Kg	10/21/25 17:31	PB170165
205-99-2	Benzo(b)fluoranthene	250	U	1	28.5	250	ug/Kg	10/21/25 17:31	PB170165
207-08-9	Benzo(k)fluoranthene	250	U	1	33.5	250	ug/Kg	10/21/25 17:31	PB170165
50-32-8	Benzo(a)pyrene	250	U	1	44.2	250	ug/Kg	10/21/25 17:31	PB170165
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	1	43.6	250	ug/Kg	10/21/25 17:31	PB170165
53-70-3	Dibenzo(a,h)anthracene	250	U	1	41.0	250	ug/Kg	10/21/25 17:31	PB170165
191-24-2	Benzo(g,h,i)perylene	250	U	1	38.5	250	ug/Kg	10/21/25 17:31	PB170165
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	1	38.3	250	ug/Kg	10/21/25 17:31	PB170165
123-91-1	1,4-Dioxane	250	U	1	67.7	250	ug/Kg	10/21/25 17:31	PB170165
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	1	41.0	250	ug/Kg	10/21/25 17:31	PB170165
SURROGATES									
367-12-4	2-Fluorophenol	59.8			18 - 112	40%	SPK: 150		
13127-88-3	Phenol-d6	57.6			15 - 107	38%	SPK: 150		
4165-60-0	Nitrobenzene-d5	40.5			18 - 107	40%	SPK: 100		
321-60-8	2-Fluorobiphenyl	36.8			20 - 109	37%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	47.6			10 - 116	32%	SPK: 150		
1718-51-0	Terphenyl-d14	23.4			10 - 105	23%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	112000							
1146-65-2	Naphthalene-d8	395000							
15067-26-2	Acenaphthene-d10	187000							
1517-22-2	Phenanthrene-d10	280000							
1719-03-5	Chrysene-d12	258000							
1520-96-3	Perylene-d12	325000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	220	J			10.6	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-000057-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-03	Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid: 66.7
Sample Wt/Vol:	30.03 g	Final Vol: 1000 uL	Test: SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/20/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-010074-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.3
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	600	U	1	280	600	ug/Kg	10/21/25 18:01	PB170165
108-95-2	Phenol	310	U	1	40.0	310	ug/Kg	10/21/25 18:01	PB170165
111-44-4	bis(2-Chloroethyl)ether	310	U	1	43.9	310	ug/Kg	10/21/25 18:01	PB170165
95-57-8	2-Chlorophenol	310	U	1	44.1	310	ug/Kg	10/21/25 18:01	PB170165
95-48-7	2-Methylphenol	310	U	1	54.1	310	ug/Kg	10/21/25 18:01	PB170165
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	1	67.8	310	ug/Kg	10/21/25 18:01	PB170165
98-86-2	Acetophenone	310	U	1	53.3	310	ug/Kg	10/21/25 18:01	PB170165
65794-96-9	3+4-Methylphenols	600	U	1	74.3	600	ug/Kg	10/21/25 18:01	PB170165
621-64-7	n-Nitroso-di-n-propylamine	140	U	1	85.7	140	ug/Kg	10/21/25 18:01	PB170165
67-72-1	Hexachloroethane	310	U	1	31.8	310	ug/Kg	10/21/25 18:01	PB170165
98-95-3	Nitrobenzene	310	U	1	33.1	310	ug/Kg	10/21/25 18:01	PB170165
78-59-1	Isophorone	310	U	1	59.3	310	ug/Kg	10/21/25 18:01	PB170165
88-75-5	2-Nitrophenol	310	U	1	110	310	ug/Kg	10/21/25 18:01	PB170165
105-67-9	2,4-Dimethylphenol	310	U	1	120	310	ug/Kg	10/21/25 18:01	PB170165
111-91-1	bis(2-Chloroethoxy)methane	310	U	1	55.7	310	ug/Kg	10/21/25 18:01	PB170165
120-83-2	2,4-Dichlorophenol	310	U	1	51.2	310	ug/Kg	10/21/25 18:01	PB170165
91-20-3	Naphthalene	310	U	1	41.0	310	ug/Kg	10/21/25 18:01	PB170165
106-47-8	4-Chloroaniline	310	U	1	64.0	310	ug/Kg	10/21/25 18:01	PB170165
87-68-3	Hexachlorobutadiene	310	U	1	45.7	310	ug/Kg	10/21/25 18:01	PB170165
105-60-2	Caprolactam	600	U	1	94.2	600	ug/Kg	10/21/25 18:01	PB170165
59-50-7	4-Chloro-3-methylphenol	310	U	1	51.9	310	ug/Kg	10/21/25 18:01	PB170165
91-57-6	2-Methylnaphthalene	310	U	1	46.3	310	ug/Kg	10/21/25 18:01	PB170165
77-47-4	Hexachlorocyclopentadiene	600	U	1	210	600	ug/Kg	10/21/25 18:01	PB170165
88-06-2	2,4,6-Trichlorophenol	310	U	1	35.8	310	ug/Kg	10/21/25 18:01	PB170165
95-95-4	2,4,5-Trichlorophenol	310	U	1	52.6	310	ug/Kg	10/21/25 18:01	PB170165
92-52-4	1,1-Biphenyl	310	U	1	39.4	310	ug/Kg	10/21/25 18:01	PB170165
91-58-7	2-Chloronaphthalene	310	U	1	40.7	310	ug/Kg	10/21/25 18:01	PB170165
88-74-4	2-Nitroaniline	310	U	1	87.0	310	ug/Kg	10/21/25 18:01	PB170165
131-11-3	Dimethylphthalate	310	U	1	49.0	310	ug/Kg	10/21/25 18:01	PB170165
208-96-8	Acenaphthylene	310	U	1	52.2	310	ug/Kg	10/21/25 18:01	PB170165
606-20-2	2,6-Dinitrotoluene	310	U	1	60.7	310	ug/Kg	10/21/25 18:01	PB170165
99-09-2	3-Nitroaniline	310	U	1	83.2	310	ug/Kg	10/21/25 18:01	PB170165
83-32-9	Acenaphthene	310	U	1	38.5	310	ug/Kg	10/21/25 18:01	PB170165
51-28-5	2,4-Dinitrophenol	600	U	1	410	600	ug/Kg	10/21/25 18:01	PB170165
100-02-7	4-Nitrophenol	600	U	1	190	600	ug/Kg	10/21/25 18:01	PB170165
132-64-9	Dibenzofuran	310	U	1	41.0	310	ug/Kg	10/21/25 18:01	PB170165
121-14-2	2,4-Dinitrotoluene	310	U	1	90.6	310	ug/Kg	10/21/25 18:01	PB170165
84-66-2	Diethylphthalate	310	U	1	51.2	310	ug/Kg	10/21/25 18:01	PB170165
7005-72-3	4-Chlorophenyl-phenylether	310	U	1	48.3	310	ug/Kg	10/21/25 18:01	PB170165
86-73-7	Fluorene	310	U	1	45.7	310	ug/Kg	10/21/25 18:01	PB170165
100-01-6	4-Nitroaniline	310	U	1	120	310	ug/Kg	10/21/25 18:01	PB170165
534-52-1	4,6-Dinitro-2-methylphenol	600	U	1	190	600	ug/Kg	10/21/25 18:01	PB170165

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-010074-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.3
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	310	U	1	59.5	310	ug/Kg	10/21/25 18:01	PB170165
101-55-3	4-Bromophenyl-phenylether	310	U	1	50.3	310	ug/Kg	10/21/25 18:01	PB170165
118-74-1	Hexachlorobenzene	310	U	1	45.7	310	ug/Kg	10/21/25 18:01	PB170165
1912-24-9	Atrazine	310	U	1	61.5	310	ug/Kg	10/21/25 18:01	PB170165
87-86-5	Pentachlorophenol	600	U	1	92.7	600	ug/Kg	10/21/25 18:01	PB170165
85-01-8	Phenanthrene	310	U	1	37.8	310	ug/Kg	10/21/25 18:01	PB170165
120-12-7	Anthracene	310	U	1	60.2	310	ug/Kg	10/21/25 18:01	PB170165
86-74-8	Carbazole	310	U	1	56.4	310	ug/Kg	10/21/25 18:01	PB170165
84-74-2	Di-n-butylphthalate	310	U	1	86.6	310	ug/Kg	10/21/25 18:01	PB170165
206-44-0	Fluoranthene	310	U	1	54.2	310	ug/Kg	10/21/25 18:01	PB170165
129-00-0	Pyrene	310	U	1	65.1	310	ug/Kg	10/21/25 18:01	PB170165
85-68-7	Butylbenzylphthalate	310	U	1	130	310	ug/Kg	10/21/25 18:01	PB170165
91-94-1	3,3-Dichlorobenzidine	600	U	1	66.3	600	ug/Kg	10/21/25 18:01	PB170165
56-55-3	Benzo(a)anthracene	310	U	1	41.6	310	ug/Kg	10/21/25 18:01	PB170165
218-01-9	Chrysene	310	U	1	36.0	310	ug/Kg	10/21/25 18:01	PB170165
117-81-7	Bis(2-ethylhexyl)phthalate	310	U	1	110	310	ug/Kg	10/21/25 18:01	PB170165
117-84-0	Di-n-octyl phthalate	600	U	1	160	600	ug/Kg	10/21/25 18:01	PB170165
205-99-2	Benzo(b)fluoranthene	310	U	1	34.3	310	ug/Kg	10/21/25 18:01	PB170165
207-08-9	Benzo(k)fluoranthene	310	U	1	40.5	310	ug/Kg	10/21/25 18:01	PB170165
50-32-8	Benzo(a)pyrene	130	J	1	53.3	310	ug/Kg	10/21/25 18:01	PB170165
193-39-5	Indeno(1,2,3-cd)pyrene	310	U	1	52.6	310	ug/Kg	10/21/25 18:01	PB170165
53-70-3	Dibenzo(a,h)anthracene	310	U	1	49.5	310	ug/Kg	10/21/25 18:01	PB170165
191-24-2	Benzo(g,h,i)perylene	310	U	1	46.5	310	ug/Kg	10/21/25 18:01	PB170165
95-94-3	1,2,4,5-Tetrachlorobenzene	310	U	1	46.3	310	ug/Kg	10/21/25 18:01	PB170165
123-91-1	1,4-Dioxane	310	U	1	81.7	310	ug/Kg	10/21/25 18:01	PB170165
58-90-2	2,3,4,6-Tetrachlorophenol	310	U	1	49.5	310	ug/Kg	10/21/25 18:01	PB170165
SURROGATES									
367-12-4	2-Fluorophenol	84.6			18 - 112	56%	SPK: 150		
13127-88-3	Phenol-d6	82.3			15 - 107	55%	SPK: 150		
4165-60-0	Nitrobenzene-d5	57.6			18 - 107	58%	SPK: 100		
321-60-8	2-Fluorobiphenyl	50.7			20 - 109	51%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	72.6			10 - 116	48%	SPK: 150		
1718-51-0	Terphenyl-d14	35.4			10 - 105	35%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	115000							
1146-65-2	Naphthalene-d8	413000							
15067-26-2	Acenaphthene-d10	191000							
1517-22-2	Phenanthrene-d10	290000							
1719-03-5	Chrysene-d12	267000							
1520-96-3	Perylene-d12	332000							
TENTATIVE IDENTIFIED COMPOUNDS									
017301-23-4	Undecane, 2,6-dimethyl-	140	J			8.22	ug/Kg		
074645-98-0	Dodecane, 2,7,10-trimethyl-	170	J			9.18	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-010074-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.3
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000119-61-9	Benzophenone	460	J			10.6	ug/Kg		
000629-50-5	Tridecane	180	J			11.3	ug/Kg		
000638-53-9	Tridecanoic acid	330	J			11.9	ug/Kg		
015594-90-8	1-Heneicosanol	270	J			13.9	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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP02-074099-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	66.7
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	490	U	1	230	490	ug/Kg	10/21/25 18:30	PB170165
108-95-2	Phenol	250	U	1	33.1	250	ug/Kg	10/21/25 18:30	PB170165
111-44-4	bis(2-Chloroethyl)ether	250	U	1	36.4	250	ug/Kg	10/21/25 18:30	PB170165
95-57-8	2-Chlorophenol	250	U	1	36.5	250	ug/Kg	10/21/25 18:30	PB170165
95-48-7	2-Methylphenol	250	U	1	44.8	250	ug/Kg	10/21/25 18:30	PB170165
108-60-1	2,2-oxybis(1-Chloropropane)	250	U	1	56.1	250	ug/Kg	10/21/25 18:30	PB170165
98-86-2	Acetophenone	250	U	1	44.2	250	ug/Kg	10/21/25 18:30	PB170165
65794-96-9	3+4-Methylphenols	490	U	1	61.5	490	ug/Kg	10/21/25 18:30	PB170165
621-64-7	n-Nitroso-di-n-propylamine	120	U	1	71.0	120	ug/Kg	10/21/25 18:30	PB170165
67-72-1	Hexachloroethane	250	U	1	26.4	250	ug/Kg	10/21/25 18:30	PB170165
98-95-3	Nitrobenzene	250	U	1	27.4	250	ug/Kg	10/21/25 18:30	PB170165
78-59-1	Isophorone	250	U	1	49.1	250	ug/Kg	10/21/25 18:30	PB170165
88-75-5	2-Nitrophenol	250	U	1	87.1	250	ug/Kg	10/21/25 18:30	PB170165
105-67-9	2,4-Dimethylphenol	250	U	1	97.0	250	ug/Kg	10/21/25 18:30	PB170165
111-91-1	bis(2-Chloroethoxy)methane	250	U	1	46.1	250	ug/Kg	10/21/25 18:30	PB170165
120-83-2	2,4-Dichlorophenol	250	U	1	42.4	250	ug/Kg	10/21/25 18:30	PB170165
91-20-3	Naphthalene	250	U	1	34.0	250	ug/Kg	10/21/25 18:30	PB170165
106-47-8	4-Chloroaniline	250	U	1	53.0	250	ug/Kg	10/21/25 18:30	PB170165
87-68-3	Hexachlorobutadiene	250	U	1	37.9	250	ug/Kg	10/21/25 18:30	PB170165
105-60-2	Caprolactam	490	U	1	78.0	490	ug/Kg	10/21/25 18:30	PB170165
59-50-7	4-Chloro-3-methylphenol	250	U	1	43.0	250	ug/Kg	10/21/25 18:30	PB170165
91-57-6	2-Methylnaphthalene	250	U	1	38.3	250	ug/Kg	10/21/25 18:30	PB170165
77-47-4	Hexachlorocyclopentadiene	490	U	1	170	490	ug/Kg	10/21/25 18:30	PB170165
88-06-2	2,4,6-Trichlorophenol	250	U	1	29.6	250	ug/Kg	10/21/25 18:30	PB170165
95-95-4	2,4,5-Trichlorophenol	250	U	1	43.6	250	ug/Kg	10/21/25 18:30	PB170165
92-52-4	1,1-Biphenyl	250	U	1	32.6	250	ug/Kg	10/21/25 18:30	PB170165
91-58-7	2-Chloronaphthalene	250	U	1	33.7	250	ug/Kg	10/21/25 18:30	PB170165
88-74-4	2-Nitroaniline	250	U	1	72.0	250	ug/Kg	10/21/25 18:30	PB170165
131-11-3	Dimethylphthalate	250	U	1	40.6	250	ug/Kg	10/21/25 18:30	PB170165
208-96-8	Acenaphthylene	250	U	1	43.3	250	ug/Kg	10/21/25 18:30	PB170165
606-20-2	2,6-Dinitrotoluene	250	U	1	50.3	250	ug/Kg	10/21/25 18:30	PB170165
99-09-2	3-Nitroaniline	250	U	1	68.9	250	ug/Kg	10/21/25 18:30	PB170165
83-32-9	Acenaphthene	250	U	1	31.9	250	ug/Kg	10/21/25 18:30	PB170165
51-28-5	2,4-Dinitrophenol	490	U	1	340	490	ug/Kg	10/21/25 18:30	PB170165
100-02-7	4-Nitrophenol	490	U	1	160	490	ug/Kg	10/21/25 18:30	PB170165
132-64-9	Dibenzofuran	250	U	1	34.0	250	ug/Kg	10/21/25 18:30	PB170165
121-14-2	2,4-Dinitrotoluene	250	U	1	75.0	250	ug/Kg	10/21/25 18:30	PB170165
84-66-2	Diethylphthalate	250	U	1	42.4	250	ug/Kg	10/21/25 18:30	PB170165
7005-72-3	4-Chlorophenyl-phenylether	250	U	1	40.0	250	ug/Kg	10/21/25 18:30	PB170165
86-73-7	Fluorene	250	U	1	37.9	250	ug/Kg	10/21/25 18:30	PB170165
100-01-6	4-Nitroaniline	250	U	1	96.1	250	ug/Kg	10/21/25 18:30	PB170165
534-52-1	4,6-Dinitro-2-methylphenol	490	U	1	150	490	ug/Kg	10/21/25 18:30	PB170165

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP02-074099-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	66.7
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	250	U	1	49.3	250	ug/Kg	10/21/25 18:30	PB170165
101-55-3	4-Bromophenyl-phenylether	250	U	1	41.6	250	ug/Kg	10/21/25 18:30	PB170165
118-74-1	Hexachlorobenzene	250	U	1	37.9	250	ug/Kg	10/21/25 18:30	PB170165
1912-24-9	Atrazine	250	U	1	50.9	250	ug/Kg	10/21/25 18:30	PB170165
87-86-5	Pentachlorophenol	490	U	1	76.8	490	ug/Kg	10/21/25 18:30	PB170165
85-01-8	Phenanthrene	99.8	J	1	31.3	250	ug/Kg	10/21/25 18:30	PB170165
120-12-7	Anthracene	250	U	1	49.9	250	ug/Kg	10/21/25 18:30	PB170165
86-74-8	Carbazole	250	U	1	46.7	250	ug/Kg	10/21/25 18:30	PB170165
84-74-2	Di-n-butylphthalate	250	U	1	71.7	250	ug/Kg	10/21/25 18:30	PB170165
206-44-0	Fluoranthene	160	J	1	44.9	250	ug/Kg	10/21/25 18:30	PB170165
129-00-0	Pyrene	250	U	1	53.9	250	ug/Kg	10/21/25 18:30	PB170165
85-68-7	Butylbenzylphthalate	250	U	1	110	250	ug/Kg	10/21/25 18:30	PB170165
91-94-1	3,3-Dichlorobenzidine	490	U	1	54.9	490	ug/Kg	10/21/25 18:30	PB170165
56-55-3	Benzo(a)anthracene	250	U	1	34.4	250	ug/Kg	10/21/25 18:30	PB170165
218-01-9	Chrysene	250	U	1	29.8	250	ug/Kg	10/21/25 18:30	PB170165
117-81-7	Bis(2-ethylhexyl)phthalate	130	J	1	88.6	250	ug/Kg	10/21/25 18:30	PB170165
117-84-0	Di-n-octyl phthalate	490	U	1	130	490	ug/Kg	10/21/25 18:30	PB170165
205-99-2	Benzo(b)fluoranthene	250	U	1	28.4	250	ug/Kg	10/21/25 18:30	PB170165
207-08-9	Benzo(k)fluoranthene	250	U	1	33.5	250	ug/Kg	10/21/25 18:30	PB170165
50-32-8	Benzo(a)pyrene	250	U	1	44.2	250	ug/Kg	10/21/25 18:30	PB170165
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	1	43.6	250	ug/Kg	10/21/25 18:30	PB170165
53-70-3	Dibenzo(a,h)anthracene	250	U	1	41.0	250	ug/Kg	10/21/25 18:30	PB170165
191-24-2	Benzo(g,h,i)perylene	250	U	1	38.5	250	ug/Kg	10/21/25 18:30	PB170165
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	1	38.3	250	ug/Kg	10/21/25 18:30	PB170165
123-91-1	1,4-Dioxane	250	U	1	67.7	250	ug/Kg	10/21/25 18:30	PB170165
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	1	41.0	250	ug/Kg	10/21/25 18:30	PB170165
SURROGATES									
367-12-4	2-Fluorophenol	82.9			18 - 112	55%	SPK: 150		
13127-88-3	Phenol-d6	78.6			15 - 107	52%	SPK: 150		
4165-60-0	Nitrobenzene-d5	57.5			18 - 107	57%	SPK: 100		
321-60-8	2-Fluorobiphenyl	50.3			20 - 109	50%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	70.8			10 - 116	47%	SPK: 150		
1718-51-0	Terphenyl-d14	35.0			10 - 105	35%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	117000							
1146-65-2	Naphthalene-d8	418000							
15067-26-2	Acenaphthene-d10	205000							
1517-22-2	Phenanthrene-d10	300000							
1719-03-5	Chrysene-d12	263000							
1520-96-3	Perylene-d12	321000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	300	J			10.6	ug/Kg		
000057-10-3	n-Hexadecanoic acid	280	J			11.9	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP02-074099-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	66.7
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000295-48-7	Cyclopentadecane	150	J			13.9	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

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: Q3375

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170165BL	PB170165BL	2-Fluorophenol	150	143	95		18	112
		Phenol-d6	150	133	89		15	107
		Nitrobenzene-d5	100	96.4	96		18	107
		2-Fluorobiphenyl	100	96.2	96		20	109
		2,4,6-Tribromophenol	150	158	105		10	116
		Terphenyl-d14	100	103	103		10	105
PB170165BS	PB170165BS	2-Fluorophenol	150	109	73		18	112
		Phenol-d6	150	125	84		15	107
		Nitrobenzene-d5	100	83.5	84		18	107
		2-Fluorobiphenyl	100	82.8	83		20	109
		2,4,6-Tribromophenol	150	135	90		10	116
		Terphenyl-d14	100	86.2	86		10	105
Q3375-01	PR132-S02-074099-20251016	2-Fluorophenol	150	67.8	45		18	112
		Phenol-d6	150	65.1	43		15	107
		Nitrobenzene-d5	100	43.7	44		18	107
		2-Fluorobiphenyl	100	38.6	39		20	109
		2,4,6-Tribromophenol	150	57.6	38		10	116
		Terphenyl-d14	100	28.1	28		10	105
Q3375-02	PR132-S04-000013-20251016	2-Fluorophenol	150	87.8	59		18	112
		Phenol-d6	150	85.8	57		15	107
		Nitrobenzene-d5	100	61.3	61		18	107
		2-Fluorobiphenyl	100	61.2	61		20	109
		2,4,6-Tribromophenol	150	79.9	53		10	116
		Terphenyl-d14	100	44.1	44		10	105
Q3375-03	PR132-S05-000057-20251016	2-Fluorophenol	150	59.8	40		18	112
		Phenol-d6	150	57.6	38		15	107
		Nitrobenzene-d5	100	40.5	40		18	107
		2-Fluorobiphenyl	100	36.8	37		20	109
		2,4,6-Tribromophenol	150	47.6	32		10	116
		Terphenyl-d14	100	23.4	23		10	105
Q3375-04	PR132-S02-010074-20251016	2-Fluorophenol	150	84.6	56		18	112
		Phenol-d6	150	82.3	55		15	107
		Nitrobenzene-d5	100	57.6	58		18	107
		2-Fluorobiphenyl	100	50.7	51		20	109
		2,4,6-Tribromophenol	150	72.6	48		10	116
		Terphenyl-d14	100	35.4	35		10	105
Q3375-05	PR132-DP02-074099-20251016	2-Fluorophenol	150	82.9	55		18	112
		Phenol-d6	150	78.6	52		15	107
		Nitrobenzene-d5	100	57.5	57		18	107
		2-Fluorobiphenyl	100	50.3	50		20	109
		2,4,6-Tribromophenol	150	70.8	47		10	116
		Terphenyl-d14	100	35.0	35		10	105
Q3381-03MS	VNJ-245MS	2-Fluorophenol	150	67.4	45		18	112
		Phenol-d6	150	68.3	46		15	107
		Nitrobenzene-d5	100	46.1	46		18	107
		2-Fluorobiphenyl	100	32.4	32		20	109
		2,4,6-Tribromophenol	150	59.5	40		10	116
		Terphenyl-d14	100	35.4	35		10	105
Q3381-03MSD	VNJ-245MSD	2-Fluorophenol	150	67.2	45		18	112
		Phenol-d6	150	68.8	46		15	107
		Nitrobenzene-d5	100	46.4	46		18	107

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Surrogate Summary

SW-846

SDG No.: Q3375

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3381-03MSD	VNJ-245MSD	2-Fluorobiphenyl	100	32.2	32		20	109
		2,4,6-Tribromophenol	150	55.9	37		10	116
		Terphenyl-d14	100	32.9	33		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144000.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3381-03MS		**Client Sample ID: VNJ-245MS**									
Benzaldehyde	1200	0	650	ug/Kg	54				10	171	
Phenol	1200	0	1100	ug/Kg	92				51	122	
bis(2-Chloroethyl)ether	1200	0	1100	ug/Kg	92				54	125	
2-Chlorophenol	1200	0	1100	ug/Kg	92				51	121	
2-Methylphenol	1200	0	1100	ug/Kg	92				47	125	
2,2-oxybis(1-Chloropropane)	1200	0	1100	ug/Kg	92				46	119	
Acetophenone	1200	0	1200	ug/Kg	100				55	128	
3+4-Methylphenols	1200	0	1100	ug/Kg	92				49	125	
N-Nitroso-di-n-propylamine	1200	0	1000	ug/Kg	83				59	119	
Hexachloroethane	1200	0	1100	ug/Kg	92				51	116	
Nitrobenzene	1200	0	1200	ug/Kg	100				47	124	
Isophorone	1200	0	1100	ug/Kg	92				49	127	
2-Nitrophenol	1200	0	1300	ug/Kg	108				43	131	
2,4-Dimethylphenol	1200	0	1200	ug/Kg	100				63	151	
bis(2-Chloroethoxy)methane	1200	0	1100	ug/Kg	92				51	119	
2,4-Dichlorophenol	1200	0	1100	ug/Kg	92				50	122	
Naphthalene	1200	0	1100	ug/Kg	92				51	121	
4-Chloroaniline	1200	0	540	ug/Kg	45				10	100	
Hexachlorobutadiene	1200	0	1100	ug/Kg	92				44	126	
Caprolactam	1200	0	1100	ug/Kg	92				51	134	
4-Chloro-3-methylphenol	1200	0	1100	ug/Kg	92				57	132	
2-Methylnaphthalene	1200	0	1000	ug/Kg	83				59	123	
Hexachlorocyclopentadiene	2400	0	2400	ug/Kg	100				10	175	
2,4,6-Trichlorophenol	1200	0	1100	ug/Kg	92				33	141	
2,4,5-Trichlorophenol	1200	0	1100	ug/Kg	92				38	135	
1,1-Biphenyl	1200	0	1300	ug/Kg	108				55	131	
2-Chloronaphthalene	1200	0	1100	ug/Kg	92				48	124	
2-Nitroaniline	1200	0	1200	ug/Kg	100				47	134	
Dimethylphthalate	1200	0	1100	ug/Kg	92				54	120	
Acenaphthylene	1200	0	1300	ug/Kg	108				57	125	
2,6-Dinitrotoluene	1200	0	1300	ug/Kg	108				48	127	
3-Nitroaniline	1200	0	780	ug/Kg	65				10	112	
Acenaphthene	1200	0	1100	ug/Kg	92				70	121	
2,4-Dinitrophenol	2400	0	1400	ug/Kg	58				10	155	
4-Nitrophenol	2400	0	2100	ug/Kg	88				10	175	
Dibenzofuran	1200	0	1100	ug/Kg	92				52	114	
2,4-Dinitrotoluene	1200	0	1300	ug/Kg	108				41	140	
Diethylphthalate	1200	0	1100	ug/Kg	92				51	119	
4-Chlorophenyl-phenylether	1200	0	1100	ug/Kg	92				48	122	
Fluorene	1200	0	1200	ug/Kg	100				53	118	
4-Nitroaniline	1200	0	1100	ug/Kg	92				29	140	
4,6-Dinitro-2-methylphenol	1200	0	1100	ug/Kg	92				10	160	
N-Nitrosodiphenylamine	1200	0	1200	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	1200	0	1200	ug/Kg	100				65	121	
Hexachlorobenzene	1200	0	1200	ug/Kg	100				67	118	
Atrazine	1200	0	1200	ug/Kg	100				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144000.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2400	0	1900	ug/Kg	79				13	153	
Phenanthrene	1200	210	1300	ug/Kg	91				52	128	
Anthracene	1200	120	1200	ug/Kg	90				62	124	
Carbazole	1200	0	1200	ug/Kg	100				59	119	
Di-n-butylphthalate	1200	0	1200	ug/Kg	100				55	125	
Fluoranthene	1200	330	1400	ug/Kg	89				44	125	
Pyrene	1200	240	1200	ug/Kg	80				37	122	
Butylbenzylphthalate	1200	0	1200	ug/Kg	100				44	135	
3,3-Dichlorobenzidine	1200	0	820	ug/Kg	68				15	112	
Benzo(a)anthracene	1200	230	1500	ug/Kg	106				53	119	
Chrysene	1200	360	1400	ug/Kg	87				57	121	
bis(2-Ethylhexyl)phthalate	1200	0	1300	ug/Kg	108				42	169	
Di-n-octyl phthalate	1200	0	1500	ug/Kg	125				51	156	
Benzo(b)fluoranthene	1200	420	1400	ug/Kg	82				52	117	
Benzo(k)fluoranthene	1200	130	1100	ug/Kg	81				57	134	
Benzo(a)pyrene	1200	250	1400	ug/Kg	96				70	142	
Indeno(1,2,3-cd)pyrene	1200	120	1300	ug/Kg	98				40	129	
Dibenz(a,h)anthracene	1200	51.1	1200	ug/Kg	96				43	123	
Benzo(g,h,i)perylene	1200	130	1300	ug/Kg	98				24	125	
1,2,4,5-Tetrachlorobenzene	1200	0	1300	ug/Kg	108				52	134	
1,4-Dioxane	1200	0	1100	ug/Kg	92				46	112	
2,3,4,6-Tetrachlorophenol	1200	0	1100	ug/Kg	92				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144001.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q3381-03MSD		**Client Sample ID: VNJ-245MSD**									
Benzaldehyde	1200	0	660	ug/Kg	55		2		10	171	20
Phenol	1200	0	1200	ug/Kg	100		8		51	122	20
bis(2-Chloroethyl)ether	1200	0	1100	ug/Kg	92		0		54	125	20
2-Chlorophenol	1200	0	1100	ug/Kg	92		0		51	121	20
2-Methylphenol	1200	0	1100	ug/Kg	92		0		47	125	20
2,2-oxybis(1-Chloropropane)	1200	0	1100	ug/Kg	92		0		46	119	20
Acetophenone	1200	0	1200	ug/Kg	100		0		55	128	20
3+4-Methylphenols	1200	0	1100	ug/Kg	92		0		49	125	20
N-Nitroso-di-n-propylamine	1200	0	1000	ug/Kg	83		0		59	119	20
Hexachloroethane	1200	0	1100	ug/Kg	92		0		51	116	20
Nitrobenzene	1200	0	1200	ug/Kg	100		0		47	124	20
Isophorone	1200	0	1100	ug/Kg	92		0		49	127	20
2-Nitrophenol	1200	0	1300	ug/Kg	108		0		43	131	20
2,4-Dimethylphenol	1200	0	1200	ug/Kg	100		0		63	151	20
bis(2-Chloroethoxy)methane	1200	0	1100	ug/Kg	92		0		51	119	20
2,4-Dichlorophenol	1200	0	1100	ug/Kg	92		0		50	122	20
Naphthalene	1200	0	1100	ug/Kg	92		0		51	121	20
4-Chloroaniline	1200	0	480	ug/Kg	40		12		10	100	20
Hexachlorobutadiene	1200	0	1100	ug/Kg	92		0		44	126	20
Caprolactam	1200	0	1100	ug/Kg	92		0		51	134	20
4-Chloro-3-methylphenol	1200	0	1100	ug/Kg	92		0		57	132	20
2-Methylnaphthalene	1200	0	1000	ug/Kg	83		0		59	123	20
Hexachlorocyclopentadiene	2500	0	2400	ug/Kg	96		4		10	175	20
2,4,6-Trichlorophenol	1200	0	1100	ug/Kg	92		0		33	141	20
2,4,5-Trichlorophenol	1200	0	1100	ug/Kg	92		0		38	135	20
1,1-Biphenyl	1200	0	1300	ug/Kg	108		0		55	131	20
2-Chloronaphthalene	1200	0	1100	ug/Kg	92		0		48	124	20
2-Nitroaniline	1200	0	1200	ug/Kg	100		0		47	134	20
Dimethylphthalate	1200	0	1100	ug/Kg	92		0		54	120	20
Acenaphthylene	1200	0	1300	ug/Kg	108		0		57	125	20
2,6-Dinitrotoluene	1200	0	1300	ug/Kg	108		0		48	127	20
3-Nitroaniline	1200	0	720	ug/Kg	60		8		10	112	20
Acenaphthene	1200	0	1200	ug/Kg	100		8		70	121	20
2,4-Dinitrophenol	2500	0	1500	ug/Kg	60		3		10	155	20
4-Nitrophenol	2500	0	2000	ug/Kg	80		10		10	175	20
Dibenzofuran	1200	0	1100	ug/Kg	92		0		52	114	20
2,4-Dinitrotoluene	1200	0	1300	ug/Kg	108		0		41	140	20
Diethylphthalate	1200	0	1100	ug/Kg	92		0		51	119	20
4-Chlorophenyl-phenylether	1200	0	1100	ug/Kg	92		0		48	122	20
Fluorene	1200	0	1100	ug/Kg	92		8		53	118	20
4-Nitroaniline	1200	0	1000	ug/Kg	83		10		29	140	20
4,6-Dinitro-2-methylphenol	1200	0	1100	ug/Kg	92		0		10	160	20
N-Nitrosodiphenylamine	1200	0	1300	ug/Kg	108		8		73	118	20
4-Bromophenyl-phenylether	1200	0	1200	ug/Kg	100		0		65	121	20
Hexachlorobenzene	1200	0	1200	ug/Kg	100		0		67	118	20
Atrazine	1200	0	1200	ug/Kg	100		0		45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144001.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2500	0	1900	ug/Kg	76		4		13	153	20
Phenanthrene	1200	210	1300	ug/Kg	91		0		52	128	20
Anthracene	1200	120	1200	ug/Kg	90		0		62	124	20
Carbazole	1200	0	1200	ug/Kg	100		0		59	119	20
Di-n-butylphthalate	1200	0	1100	ug/Kg	92		8		55	125	20
Fluoranthene	1200	330	1300	ug/Kg	81		9		44	125	20
Pyrene	1200	240	1100	ug/Kg	72		11		37	122	20
Butylbenzylphthalate	1200	0	1100	ug/Kg	92		8		44	135	20
3,3-Dichlorobenzidine	1200	0	810	ug/Kg	68		0		15	112	20
Benzo(a)anthracene	1200	230	1400	ug/Kg	98		8		53	119	20
Chrysene	1200	360	1400	ug/Kg	87		0		57	121	20
bis(2-Ethylhexyl)phthalate	1200	0	1200	ug/Kg	100		8		42	169	20
Di-n-octyl phthalate	1200	0	1400	ug/Kg	117		7		51	156	20
Benzo(b)fluoranthene	1200	420	1400	ug/Kg	82		0		52	117	20
Benzo(k)fluoranthene	1200	130	1200	ug/Kg	89		9		57	134	20
Benzo(a)pyrene	1200	250	1400	ug/Kg	96		0		70	142	20
Indeno(1,2,3-cd)pyrene	1200	120	1300	ug/Kg	98		0		40	129	20
Dibenz(a,h)anthracene	1200	51.1	1200	ug/Kg	96		0		43	123	20
Benzo(g,h,i)perylene	1200	130	1300	ug/Kg	98		0		24	125	20
1,2,4,5-Tetrachlorobenzene	1200	0	1200	ug/Kg	100		8		52	134	20
1,4-Dioxane	1200	0	1100	ug/Kg	92		0		46	112	20
2,3,4,6-Tetrachlorophenol	1200	0	1100	ug/Kg	92		0		24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BG064549.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170165BS	Benzaldehyde	1700	630	ug/Kg	37				10	133	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1200	ug/Kg	71				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1300	ug/Kg	76				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	900	ug/Kg	53				16	100	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	4200	ug/Kg	127				45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	2600	ug/Kg	79				37	128	
	4-Nitrophenol	3300	2900	ug/Kg	88				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				71	99	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BG064549.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170165BS	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	3200	ug/Kg	97				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				54	135	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				52	137	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	990	ug/Kg	58				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170165BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3375

Lab File ID: BG064548.D | Lab Sample ID: PB170165BL

Instrument ID: BNA_G | Date Extracted: 10/20/2025

Matrix: (soil/water) SOIL | Date Analyzed: 10/20/2025

Level: (low/med) LOW | Time Analyzed: 13:44

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170165BS	PB170165BS	BG064549.D	10/20/2025
VNJ-245MS	Q3381-03MS	BF144000.D	10/20/2025
VNJ-245MSD	Q3381-03MSD	BF144001.D	10/20/2025
PR132-S02-074099-20251016	Q3375-01	BF144015.D	10/21/2025
PR132-S04-000013-20251016	Q3375-02	BF144016.D	10/21/2025
PR132-S05-000057-20251016	Q3375-03	BF144017.D	10/21/2025
PR132-S02-010074-20251016	Q3375-04	BF144018.D	10/21/2025
PR132-DP02-074099-20251016	Q3375-05	BF144019.D	10/21/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3375

Lab File ID: BF143874.D DFTPP Injection Date: 10/06/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	78.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF143875.D	10/06/2025	09:59
SSTDICC005	SSTDICC005	BF143876.D	10/06/2025	10:28
SSTDICC010	SSTDICC010	BF143877.D	10/06/2025	10:57
SSTDICC020	SSTDICC020	BF143878.D	10/06/2025	11:56
SSTDICCC040	SSTDICCC040	BF143879.D	10/06/2025	12:54
SSTDICC050	SSTDICC050	BF143880.D	10/06/2025	13:23
SSTDICC060	SSTDICC060	BF143881.D	10/06/2025	13:53
SSTDICC080	SSTDICC080	BF143882.D	10/06/2025	14:22

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3375

Lab File ID: BF143996.D DFTPP Injection Date: 10/20/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:02

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.3) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.8) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	82.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143997.D	10/20/2025	13:28
VNJ-245MS	Q3381-03MS	BF144000.D	10/20/2025	15:57
VNJ-245MSD	Q3381-03MSD	BF144001.D	10/20/2025	16:27

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3375

Lab File ID: BF144008.D DFTPP Injection Date: 10/21/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6
365	Greater than 1% of mass 198	7.0
441	Present, but less than mass 443	3.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF144009.D	10/21/2025	13:29
PR132-S02-074099-20251016	Q3375-01	BF144015.D	10/21/2025	16:32
PR132-S04-000013-20251016	Q3375-02	BF144016.D	10/21/2025	17:02
PR132-S05-000057-20251016	Q3375-03	BF144017.D	10/21/2025	17:31
PR132-S02-010074-20251016	Q3375-04	BF144018.D	10/21/2025	18:01
PR132-DP02-074099-20251016	Q3375-05	BF144019.D	10/21/2025	18:30

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3375

Lab File ID: BG064472.D DFTPP Injection Date: 10/02/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.1) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	7.1
441	Present, but less than mass 443	86.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG064473.D	10/02/2025	09:01
SSTDICC005	SSTDICC005	BG064474.D	10/02/2025	09:42
SSTDICC020	SSTDICC020	BG064476.D	10/02/2025	11:33
SSTDICCC040	SSTDICCC040	BG064477.D	10/02/2025	12:14
SSTDICC050	SSTDICC050	BG064478.D	10/02/2025	12:55
SSTDICC060	SSTDICC060	BG064479.D	10/02/2025	13:35
SSTDICC080	SSTDICC080	BG064480.D	10/02/2025	14:16
SSTDICC010	SSTDICC010	BG064481.D	10/02/2025	15:49

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3375

Lab File ID: BG064546.D DFTPP Injection Date: 10/20/2025

Instrument ID: BNA_G DFTPP Injection Time: 12:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (0.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.3) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
365	Greater than 1% of mass 198	7.0
441	Present, but less than mass 443	23.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064547.D	10/20/2025	12:44
PB170165BL	PB170165BL	BG064548.D	10/20/2025	13:44
PB170165BS	PB170165BS	BG064549.D	10/20/2025	14:25

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3375

Client ID : SSTDCCC040 Date Analyzed: 10/20/2025

Lab File ID: BF143997.D Time Analyzed: 13:28

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	108923	6.881	424804	8.16	230266	9.92
	UPPER LIMIT	217846	7.381	849608	8.663	460532	10.422
	LOWER LIMIT	54461.5	6.381	212402	7.663	115133	9.422
	EPA SAMPLE NO.						
01	VNJ-245MS	103333	6.88	382013	8.16	200713	9.92
02	VNJ-245MSD	100371	6.88	371973	8.16	192676	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3375

Client ID: SSTDCCC040 Date Analyzed: 10/20/2025

Lab File ID: BF143997.D Time Analyzed: 13:28

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	385198	11.416	224376	14.063	212318	15.545
	UPPER LIMIT	770396	11.916	448752	14.563	424636	16.045
	LOWER LIMIT	192599	10.916	112188	13.563	106159	15.045
	EPA SAMPLE NO.						
01	VNJ-245MS	318387	11.42	223763	14.06	294781	15.55
02	VNJ-245MSD	292615	11.41	212179	14.06	285074	15.55

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3375

Client ID : SSTDCCC040 Date Analyzed: 10/21/2025

Lab File ID: BF144009.D Time Analyzed: 13:29

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	126907	6.881	483648	8.16	263342	9.92
	UPPER LIMIT	253814	7.381	967296	8.663	526684	10.422
	LOWER LIMIT	63453.5	6.381	241824	7.663	131671	9.422
	EPA SAMPLE NO.						
01	PR132-S02-074099-20251016	109716	6.88	402386	8.16	203476	9.92
02	PR132-S04-000013-20251016	116615	6.88	420206	8.16	202155	9.92
03	PR132-S05-000057-20251016	111644	6.88	395479	8.16	186629	9.92
04	PR132-S02-010074-20251016	114769	6.88	412633	8.16	190672	9.92
05	PR132-DP02-074099-20251016	116635	6.88	418260	8.16	205210	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3375

Client ID: SSTDCCC040 Date Analyzed: 10/21/2025

Lab File ID: BF144009.D Time Analyzed: 13:29

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	430811	11.416	235758	14.063	243917	15.545
	UPPER LIMIT	861622	11.916	471516	14.563	487834	16.045
	LOWER LIMIT	215406	10.916	117879	13.563	121959	15.045
	EPA SAMPLE NO.						
01	PR132-S02-074099-20251016	318797	11.41	282059	14.06	335097	15.55
02	PR132-S04-000013-20251016	308753	11.41	254161	14.06	318784	15.55
03	PR132-S05-000057-20251016	279883	11.41	258346	14.06	324753	15.55
04	PR132-S02-010074-20251016	289518	11.41	267469	14.06	332355	15.55
05	PR132-DP02-074099-20251016	299829	11.41	262654	14.06	320945	15.55

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3375

Client ID : SSTDCCC040 Date Analyzed: 10/20/2025

Lab File ID: BG064547.D Time Analyzed: 12:44

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	12980	7.817	58801	10.61	45965	14.44
	UPPER LIMIT	25960	8.317	117602	11.107	91930	14.944
	LOWER LIMIT	6490	7.317	29400.5	10.107	22982.5	13.944
	EPA SAMPLE NO.						
01	PB170165BL	14412	7.81	55177	10.60	43937	14.45
02	PB170165BS	13636	7.82	56148	10.61	44549	14.45

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3375

Client ID: SSTDCCC040 Date Analyzed: 10/20/2025

Lab File ID: BG064547.D Time Analyzed: 12:44

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	112639	17.188	113403	21.418	125032	24.403
	UPPER LIMIT	225278	17.688	226806	21.918	250064	24.903
	LOWER LIMIT	56319.5	16.688	56701.5	20.918	62516	23.903
	EPA SAMPLE NO.						
01	PB170165BL	117288	17.19	124365	21.41	134795	24.41
02	PB170165BS	109767	17.19	115066	21.42	122784	24.41

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170165BL	SDG No.:	Q3375
Lab Sample ID:	PB170165BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	330	U	1	160	330	ug/Kg	10/20/25 13:44	PB170165
108-95-2	Phenol	170	U	1	22.1	170	ug/Kg	10/20/25 13:44	PB170165
111-44-4	bis(2-Chloroethyl)ether	170	U	1	24.3	170	ug/Kg	10/20/25 13:44	PB170165
95-57-8	2-Chlorophenol	170	U	1	24.4	170	ug/Kg	10/20/25 13:44	PB170165
95-48-7	2-Methylphenol	170	U	1	29.9	170	ug/Kg	10/20/25 13:44	PB170165
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	1	37.5	170	ug/Kg	10/20/25 13:44	PB170165
98-86-2	Acetophenone	170	U	1	29.5	170	ug/Kg	10/20/25 13:44	PB170165
65794-96-9	3+4-Methylphenols	330	U	1	41.1	330	ug/Kg	10/20/25 13:44	PB170165
621-64-7	n-Nitroso-di-n-propylamine	79.9	U	1	47.4	79.9	ug/Kg	10/20/25 13:44	PB170165
67-72-1	Hexachloroethane	170	U	1	17.6	170	ug/Kg	10/20/25 13:44	PB170165
98-95-3	Nitrobenzene	170	U	1	18.3	170	ug/Kg	10/20/25 13:44	PB170165
78-59-1	Isophorone	170	U	1	32.8	170	ug/Kg	10/20/25 13:44	PB170165
88-75-5	2-Nitrophenol	170	U	1	58.2	170	ug/Kg	10/20/25 13:44	PB170165
105-67-9	2,4-Dimethylphenol	170	U	1	64.8	170	ug/Kg	10/20/25 13:44	PB170165
111-91-1	bis(2-Chloroethoxy)methane	170	U	1	30.8	170	ug/Kg	10/20/25 13:44	PB170165
120-83-2	2,4-Dichlorophenol	170	U	1	28.3	170	ug/Kg	10/20/25 13:44	PB170165
91-20-3	Naphthalene	170	U	1	22.7	170	ug/Kg	10/20/25 13:44	PB170165
106-47-8	4-Chloroaniline	170	U	1	35.4	170	ug/Kg	10/20/25 13:44	PB170165
87-68-3	Hexachlorobutadiene	170	U	1	25.3	170	ug/Kg	10/20/25 13:44	PB170165
105-60-2	Caprolactam	330	U	1	52.1	330	ug/Kg	10/20/25 13:44	PB170165
59-50-7	4-Chloro-3-methylphenol	170	U	1	28.7	170	ug/Kg	10/20/25 13:44	PB170165
91-57-6	2-Methylnaphthalene	170	U	1	25.6	170	ug/Kg	10/20/25 13:44	PB170165
77-47-4	Hexachlorocyclopentadiene	330	U	1	120	330	ug/Kg	10/20/25 13:44	PB170165
88-06-2	2,4,6-Trichlorophenol	170	U	1	19.8	170	ug/Kg	10/20/25 13:44	PB170165
95-95-4	2,4,5-Trichlorophenol	170	U	1	29.1	170	ug/Kg	10/20/25 13:44	PB170165
92-52-4	1,1-Biphenyl	170	U	1	21.8	170	ug/Kg	10/20/25 13:44	PB170165
91-58-7	2-Chloronaphthalene	170	U	1	22.5	170	ug/Kg	10/20/25 13:44	PB170165
88-74-4	2-Nitroaniline	170	U	1	48.1	170	ug/Kg	10/20/25 13:44	PB170165
131-11-3	Dimethylphthalate	170	U	1	27.1	170	ug/Kg	10/20/25 13:44	PB170165
208-96-8	Acenaphthylene	170	U	1	28.9	170	ug/Kg	10/20/25 13:44	PB170165
606-20-2	2,6-Dinitrotoluene	170	U	1	33.6	170	ug/Kg	10/20/25 13:44	PB170165
99-09-2	3-Nitroaniline	170	U	1	46.0	170	ug/Kg	10/20/25 13:44	PB170165
83-32-9	Acenaphthene	170	U	1	21.3	170	ug/Kg	10/20/25 13:44	PB170165
51-28-5	2,4-Dinitrophenol	330	U	1	230	330	ug/Kg	10/20/25 13:44	PB170165
100-02-7	4-Nitrophenol	330	U	1	110	330	ug/Kg	10/20/25 13:44	PB170165
132-64-9	Dibenzofuran	170	U	1	22.7	170	ug/Kg	10/20/25 13:44	PB170165
121-14-2	2,4-Dinitrotoluene	170	U	1	50.1	170	ug/Kg	10/20/25 13:44	PB170165
84-66-2	Diethylphthalate	170	U	1	28.3	170	ug/Kg	10/20/25 13:44	PB170165
7005-72-3	4-Chlorophenyl-phenylether	170	U	1	26.7	170	ug/Kg	10/20/25 13:44	PB170165
86-73-7	Fluorene	170	U	1	25.3	170	ug/Kg	10/20/25 13:44	PB170165
100-01-6	4-Nitroaniline	170	U	1	64.2	170	ug/Kg	10/20/25 13:44	PB170165
534-52-1	4,6-Dinitro-2-methylphenol	330	U	1	100	330	ug/Kg	10/20/25 13:44	PB170165

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170165BL	SDG No.:	Q3375
Lab Sample ID:	PB170165BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	170	U	1	32.9	170	ug/Kg	10/20/25 13:44	PB170165
101-55-3	4-Bromophenyl-phenylether	170	U	1	27.8	170	ug/Kg	10/20/25 13:44	PB170165
118-74-1	Hexachlorobenzene	170	U	1	25.3	170	ug/Kg	10/20/25 13:44	PB170165
1912-24-9	Atrazine	170	U	1	34.0	170	ug/Kg	10/20/25 13:44	PB170165
87-86-5	Pentachlorophenol	330	U	1	51.3	330	ug/Kg	10/20/25 13:44	PB170165
85-01-8	Phenanthrene	170	U	1	20.9	170	ug/Kg	10/20/25 13:44	PB170165
120-12-7	Anthracene	170	U	1	33.3	170	ug/Kg	10/20/25 13:44	PB170165
86-74-8	Carbazole	170	U	1	31.2	170	ug/Kg	10/20/25 13:44	PB170165
84-74-2	Di-n-butylphthalate	170	U	1	47.9	170	ug/Kg	10/20/25 13:44	PB170165
206-44-0	Fluoranthene	170	U	1	30.0	170	ug/Kg	10/20/25 13:44	PB170165
129-00-0	Pyrene	170	U	1	36.0	170	ug/Kg	10/20/25 13:44	PB170165
85-68-7	Butylbenzylphthalate	170	U	1	71.4	170	ug/Kg	10/20/25 13:44	PB170165
91-94-1	3,3-Dichlorobenzidine	330	U	1	36.7	330	ug/Kg	10/20/25 13:44	PB170165
56-55-3	Benzo(a)anthracene	170	U	1	23.0	170	ug/Kg	10/20/25 13:44	PB170165
218-01-9	Chrysene	170	U	1	19.9	170	ug/Kg	10/20/25 13:44	PB170165
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	1	59.2	170	ug/Kg	10/20/25 13:44	PB170165
117-84-0	Di-n-octyl phthalate	330	U	1	86.7	330	ug/Kg	10/20/25 13:44	PB170165
205-99-2	Benzo(b)fluoranthene	170	U	1	19.0	170	ug/Kg	10/20/25 13:44	PB170165
207-08-9	Benzo(k)fluoranthene	170	U	1	22.4	170	ug/Kg	10/20/25 13:44	PB170165
50-32-8	Benzo(a)pyrene	170	U	1	29.5	170	ug/Kg	10/20/25 13:44	PB170165
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	1	29.1	170	ug/Kg	10/20/25 13:44	PB170165
53-70-3	Dibenzo(a,h)anthracene	170	U	1	27.4	170	ug/Kg	10/20/25 13:44	PB170165
191-24-2	Benzo(g,h,i)perylene	170	U	1	25.7	170	ug/Kg	10/20/25 13:44	PB170165
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	1	25.6	170	ug/Kg	10/20/25 13:44	PB170165
123-91-1	1,4-Dioxane	170	U	1	45.2	170	ug/Kg	10/20/25 13:44	PB170165
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	1	27.4	170	ug/Kg	10/20/25 13:44	PB170165
SURROGATES									
367-12-4	2-Fluorophenol	143			18 - 112	95%	SPK: 150		
13127-88-3	Phenol-d6	133			15 - 107	89%	SPK: 150		
4165-60-0	Nitrobenzene-d5	96.4			18 - 107	96%	SPK: 100		
321-60-8	2-Fluorobiphenyl	96.2			20 - 109	96%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	158			10 - 116	105%	SPK: 150		
1718-51-0	Terphenyl-d14	103			10 - 105	103%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	14400							
1146-65-2	Naphthalene-d8	55200							
15067-26-2	Acenaphthene-d10	43900							
1517-22-2	Phenanthrene-d10	117000							
1719-03-5	Chrysene-d12	124000							
1520-96-3	Perylene-d12	135000							

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170165BL	SDG No.:	Q3375
Lab Sample ID:	PB170165BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170165BS	SDG No.:	Q3375
Lab Sample ID:	PB170165BS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	630		1	160	330	ug/Kg	10/20/25 14:25	PB170165
108-95-2	Phenol	1500		1	22.1	170	ug/Kg	10/20/25 14:25	PB170165
111-44-4	bis(2-Chloroethyl)ether	1400		1	24.3	170	ug/Kg	10/20/25 14:25	PB170165
95-57-8	2-Chlorophenol	1500		1	24.4	170	ug/Kg	10/20/25 14:25	PB170165
95-48-7	2-Methylphenol	1500		1	29.9	170	ug/Kg	10/20/25 14:25	PB170165
108-60-1	2,2-oxybis(1-Chloropropane)	1200		1	37.5	170	ug/Kg	10/20/25 14:25	PB170165
98-86-2	Acetophenone	1600		1	29.5	170	ug/Kg	10/20/25 14:25	PB170165
65794-96-9	3+4-Methylphenols	1500		1	41.1	330	ug/Kg	10/20/25 14:25	PB170165
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	79.9	ug/Kg	10/20/25 14:25	PB170165
67-72-1	Hexachloroethane	1300		1	17.6	170	ug/Kg	10/20/25 14:25	PB170165
98-95-3	Nitrobenzene	1500		1	18.3	170	ug/Kg	10/20/25 14:25	PB170165
78-59-1	Isophorone	1400		1	32.8	170	ug/Kg	10/20/25 14:25	PB170165
88-75-5	2-Nitrophenol	1500		1	58.1	170	ug/Kg	10/20/25 14:25	PB170165
105-67-9	2,4-Dimethylphenol	1700		1	64.7	170	ug/Kg	10/20/25 14:25	PB170165
111-91-1	bis(2-Chloroethoxy)methane	1500		1	30.8	170	ug/Kg	10/20/25 14:25	PB170165
120-83-2	2,4-Dichlorophenol	1600		1	28.3	170	ug/Kg	10/20/25 14:25	PB170165
91-20-3	Naphthalene	1500		1	22.7	170	ug/Kg	10/20/25 14:25	PB170165
106-47-8	4-Chloroaniline	900		1	35.4	170	ug/Kg	10/20/25 14:25	PB170165
87-68-3	Hexachlorobutadiene	1600		1	25.3	170	ug/Kg	10/20/25 14:25	PB170165
105-60-2	Caprolactam	1500		1	52.0	330	ug/Kg	10/20/25 14:25	PB170165
59-50-7	4-Chloro-3-methylphenol	1600		1	28.7	170	ug/Kg	10/20/25 14:25	PB170165
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/20/25 14:25	PB170165
77-47-4	Hexachlorocyclopentadiene	4200	E	1	120	330	ug/Kg	10/20/25 14:25	PB170165
88-06-2	2,4,6-Trichlorophenol	1500		1	19.8	170	ug/Kg	10/20/25 14:25	PB170165
95-95-4	2,4,5-Trichlorophenol	1600		1	29.1	170	ug/Kg	10/20/25 14:25	PB170165
92-52-4	1,1-Biphenyl	1600		1	21.8	170	ug/Kg	10/20/25 14:25	PB170165
91-58-7	2-Chloronaphthalene	1400		1	22.5	170	ug/Kg	10/20/25 14:25	PB170165
88-74-4	2-Nitroaniline	1500		1	48.1	170	ug/Kg	10/20/25 14:25	PB170165
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	10/20/25 14:25	PB170165
208-96-8	Acenaphthylene	1700		1	28.9	170	ug/Kg	10/20/25 14:25	PB170165
606-20-2	2,6-Dinitrotoluene	1600		1	33.6	170	ug/Kg	10/20/25 14:25	PB170165
99-09-2	3-Nitroaniline	1100		1	46.0	170	ug/Kg	10/20/25 14:25	PB170165
83-32-9	Acenaphthene	1500		1	21.3	170	ug/Kg	10/20/25 14:25	PB170165
51-28-5	2,4-Dinitrophenol	2600		1	230	330	ug/Kg	10/20/25 14:25	PB170165
100-02-7	4-Nitrophenol	2900	E	1	110	330	ug/Kg	10/20/25 14:25	PB170165
132-64-9	Dibenzofuran	1500		1	22.7	170	ug/Kg	10/20/25 14:25	PB170165
121-14-2	2,4-Dinitrotoluene	1600		1	50.0	170	ug/Kg	10/20/25 14:25	PB170165
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/20/25 14:25	PB170165
7005-72-3	4-Chlorophenyl-phenylether	1500		1	26.7	170	ug/Kg	10/20/25 14:25	PB170165
86-73-7	Fluorene	1600		1	25.3	170	ug/Kg	10/20/25 14:25	PB170165
100-01-6	4-Nitroaniline	1500		1	64.1	170	ug/Kg	10/20/25 14:25	PB170165
534-52-1	4,6-Dinitro-2-methylphenol	1600		1	100	330	ug/Kg	10/20/25 14:25	PB170165

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170165BS	SDG No.:	Q3375
Lab Sample ID:	PB170165BS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1600		1	32.9	170	ug/Kg	10/20/25 14:25	PB170165
101-55-3	4-Bromophenyl-phenylether	1500		1	27.8	170	ug/Kg	10/20/25 14:25	PB170165
118-74-1	Hexachlorobenzene	1600		1	25.3	170	ug/Kg	10/20/25 14:25	PB170165
1912-24-9	Atrazine	1600		1	34.0	170	ug/Kg	10/20/25 14:25	PB170165
87-86-5	Pentachlorophenol	3200	E	1	51.2	330	ug/Kg	10/20/25 14:25	PB170165
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	10/20/25 14:25	PB170165
120-12-7	Anthracene	1600		1	33.3	170	ug/Kg	10/20/25 14:25	PB170165
86-74-8	Carbazole	1600		1	31.2	170	ug/Kg	10/20/25 14:25	PB170165
84-74-2	Di-n-butylphthalate	1500		1	47.9	170	ug/Kg	10/20/25 14:25	PB170165
206-44-0	Fluoranthene	1500		1	30.0	170	ug/Kg	10/20/25 14:25	PB170165
129-00-0	Pyrene	1400		1	36.0	170	ug/Kg	10/20/25 14:25	PB170165
85-68-7	Butylbenzylphthalate	1500		1	71.3	170	ug/Kg	10/20/25 14:25	PB170165
91-94-1	3,3-Dichlorobenzidine	1100		1	36.7	330	ug/Kg	10/20/25 14:25	PB170165
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	10/20/25 14:25	PB170165
218-01-9	Chrysene	1500		1	19.9	170	ug/Kg	10/20/25 14:25	PB170165
117-81-7	Bis(2-ethylhexyl)phthalate	1500		1	59.1	170	ug/Kg	10/20/25 14:25	PB170165
117-84-0	Di-n-octyl phthalate	1500		1	86.7	330	ug/Kg	10/20/25 14:25	PB170165
205-99-2	Benzo(b)fluoranthene	1600		1	19.0	170	ug/Kg	10/20/25 14:25	PB170165
207-08-9	Benzo(k)fluoranthene	1500		1	22.4	170	ug/Kg	10/20/25 14:25	PB170165
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	10/20/25 14:25	PB170165
193-39-5	Indeno(1,2,3-cd)pyrene	1600		1	29.1	170	ug/Kg	10/20/25 14:25	PB170165
53-70-3	Dibenzo(a,h)anthracene	1600		1	27.4	170	ug/Kg	10/20/25 14:25	PB170165
191-24-2	Benzo(g,h,i)perylene	1600		1	25.7	170	ug/Kg	10/20/25 14:25	PB170165
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		1	25.6	170	ug/Kg	10/20/25 14:25	PB170165
123-91-1	1,4-Dioxane	990		1	45.2	170	ug/Kg	10/20/25 14:25	PB170165
58-90-2	2,3,4,6-Tetrachlorophenol	1600		1	27.4	170	ug/Kg	10/20/25 14:25	PB170165
SURROGATES									
367-12-4	2-Fluorophenol	109			18 - 112	73%	SPK: 150		
13127-88-3	Phenol-d6	125			15 - 107	84%	SPK: 150		
4165-60-0	Nitrobenzene-d5	83.5			18 - 107	84%	SPK: 100		
321-60-8	2-Fluorobiphenyl	82.8			20 - 109	83%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	135			10 - 116	90%	SPK: 150		
1718-51-0	Terphenyl-d14	86.2			10 - 105	86%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	13600							
1146-65-2	Naphthalene-d8	56100							
15067-26-2	Acenaphthene-d10	44500							
1517-22-2	Phenanthrene-d10	110000							
1719-03-5	Chrysene-d12	115000							
1520-96-3	Perylene-d12	123000							

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170165BS	SDG No.:	Q3375
Lab Sample ID:	PB170165BS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	VNJ-245MS	SDG No.:	Q3375
Lab Sample ID:	Q3381-03MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	81.6
Sample Wt/Vol:	50.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	650		1	110	240	ug/Kg	10/20/25 15:57	PB170165
108-95-2	Phenol	1100		1	16.2	120	ug/Kg	10/20/25 15:57	PB170165
111-44-4	bis(2-Chloroethyl)ether	1100		1	17.8	120	ug/Kg	10/20/25 15:57	PB170165
95-57-8	2-Chlorophenol	1100		1	17.9	120	ug/Kg	10/20/25 15:57	PB170165
95-48-7	2-Methylphenol	1100		1	22.0	120	ug/Kg	10/20/25 15:57	PB170165
108-60-1	2,2-oxybis(1-Chloropropane)	1100		1	27.5	120	ug/Kg	10/20/25 15:57	PB170165
98-86-2	Acetophenone	1200		1	21.7	120	ug/Kg	10/20/25 15:57	PB170165
65794-96-9	3+4-Methylphenols	1100		1	30.2	240	ug/Kg	10/20/25 15:57	PB170165
621-64-7	n-Nitroso-di-n-propylamine	1000		1	34.8	58.7	ug/Kg	10/20/25 15:57	PB170165
67-72-1	Hexachloroethane	1100		1	12.9	120	ug/Kg	10/20/25 15:57	PB170165
98-95-3	Nitrobenzene	1200		1	13.4	120	ug/Kg	10/20/25 15:57	PB170165
78-59-1	Isophorone	1100		1	24.1	120	ug/Kg	10/20/25 15:57	PB170165
88-75-5	2-Nitrophenol	1300		1	42.7	120	ug/Kg	10/20/25 15:57	PB170165
105-67-9	2,4-Dimethylphenol	1200		1	47.6	120	ug/Kg	10/20/25 15:57	PB170165
111-91-1	bis(2-Chloroethoxy)methane	1100		1	22.6	120	ug/Kg	10/20/25 15:57	PB170165
120-83-2	2,4-Dichlorophenol	1100		1	20.8	120	ug/Kg	10/20/25 15:57	PB170165
91-20-3	Naphthalene	1100		1	16.7	120	ug/Kg	10/20/25 15:57	PB170165
106-47-8	4-Chloroaniline	540		1	26.0	120	ug/Kg	10/20/25 15:57	PB170165
87-68-3	Hexachlorobutadiene	1100		1	18.6	120	ug/Kg	10/20/25 15:57	PB170165
105-60-2	Caprolactam	1100		1	38.3	240	ug/Kg	10/20/25 15:57	PB170165
59-50-7	4-Chloro-3-methylphenol	1100		1	21.1	120	ug/Kg	10/20/25 15:57	PB170165
91-57-6	2-Methylnaphthalene	1000		1	18.8	120	ug/Kg	10/20/25 15:57	PB170165
77-47-4	Hexachlorocyclopentadiene	2400	E	1	85.2	240	ug/Kg	10/20/25 15:57	PB170165
88-06-2	2,4,6-Trichlorophenol	1100		1	14.5	120	ug/Kg	10/20/25 15:57	PB170165
95-95-4	2,4,5-Trichlorophenol	1100		1	21.4	120	ug/Kg	10/20/25 15:57	PB170165
92-52-4	1,1-Biphenyl	1300		1	16.0	120	ug/Kg	10/20/25 15:57	PB170165
91-58-7	2-Chloronaphthalene	1100		1	16.5	120	ug/Kg	10/20/25 15:57	PB170165
88-74-4	2-Nitroaniline	1200		1	35.3	120	ug/Kg	10/20/25 15:57	PB170165
131-11-3	Dimethylphthalate	1100		1	19.9	120	ug/Kg	10/20/25 15:57	PB170165
208-96-8	Acenaphthylene	1300		1	21.2	120	ug/Kg	10/20/25 15:57	PB170165
606-20-2	2,6-Dinitrotoluene	1300		1	24.7	120	ug/Kg	10/20/25 15:57	PB170165
99-09-2	3-Nitroaniline	780		1	33.8	120	ug/Kg	10/20/25 15:57	PB170165
83-32-9	Acenaphthene	1100		1	15.6	120	ug/Kg	10/20/25 15:57	PB170165
51-28-5	2,4-Dinitrophenol	1400		1	170	240	ug/Kg	10/20/25 15:57	PB170165
100-02-7	4-Nitrophenol	2100	E	1	78.6	240	ug/Kg	10/20/25 15:57	PB170165
132-64-9	Dibenzofuran	1100		1	16.7	120	ug/Kg	10/20/25 15:57	PB170165
121-14-2	2,4-Dinitrotoluene	1300		1	36.8	120	ug/Kg	10/20/25 15:57	PB170165
84-66-2	Diethylphthalate	1100		1	20.8	120	ug/Kg	10/20/25 15:57	PB170165
7005-72-3	4-Chlorophenyl-phenylether	1100		1	19.6	120	ug/Kg	10/20/25 15:57	PB170165
86-73-7	Fluorene	1200		1	18.6	120	ug/Kg	10/20/25 15:57	PB170165
100-01-6	4-Nitroaniline	1100		1	47.1	120	ug/Kg	10/20/25 15:57	PB170165
534-52-1	4,6-Dinitro-2-methylphenol	1100		1	75.6	240	ug/Kg	10/20/25 15:57	PB170165

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	VNJ-245MS	SDG No.:	Q3375
Lab Sample ID:	Q3381-03MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	81.6
Sample Wt/Vol:	50.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1200		1	24.2	120	ug/Kg	10/20/25 15:57	PB170165
101-55-3	4-Bromophenyl-phenylether	1200		1	20.4	120	ug/Kg	10/20/25 15:57	PB170165
118-74-1	Hexachlorobenzene	1200		1	18.6	120	ug/Kg	10/20/25 15:57	PB170165
1912-24-9	Atrazine	1200		1	25.0	120	ug/Kg	10/20/25 15:57	PB170165
87-86-5	Pentachlorophenol	1900		1	37.7	240	ug/Kg	10/20/25 15:57	PB170165
85-01-8	Phenanthrene	1300		1	15.3	120	ug/Kg	10/20/25 15:57	PB170165
120-12-7	Anthracene	1200		1	24.5	120	ug/Kg	10/20/25 15:57	PB170165
86-74-8	Carbazole	1200		1	22.9	120	ug/Kg	10/20/25 15:57	PB170165
84-74-2	Di-n-butylphthalate	1200		1	35.2	120	ug/Kg	10/20/25 15:57	PB170165
206-44-0	Fluoranthene	1400		1	22.0	120	ug/Kg	10/20/25 15:57	PB170165
129-00-0	Pyrene	1200		1	26.4	120	ug/Kg	10/20/25 15:57	PB170165
85-68-7	Butylbenzylphthalate	1200		1	52.4	120	ug/Kg	10/20/25 15:57	PB170165
91-94-1	3,3-Dichlorobenzidine	820		1	26.9	240	ug/Kg	10/20/25 15:57	PB170165
56-55-3	Benzo(a)anthracene	1500		1	16.9	120	ug/Kg	10/20/25 15:57	PB170165
218-01-9	Chrysene	1400		1	14.6	120	ug/Kg	10/20/25 15:57	PB170165
117-81-7	Bis(2-ethylhexyl)phthalate	1300		1	43.5	120	ug/Kg	10/20/25 15:57	PB170165
117-84-0	Di-n-octyl phthalate	1500		1	63.7	240	ug/Kg	10/20/25 15:57	PB170165
205-99-2	Benzo(b)fluoranthene	1400		1	14.0	120	ug/Kg	10/20/25 15:57	PB170165
207-08-9	Benzo(k)fluoranthene	1100		1	16.4	120	ug/Kg	10/20/25 15:57	PB170165
50-32-8	Benzo(a)pyrene	1400		1	21.7	120	ug/Kg	10/20/25 15:57	PB170165
193-39-5	Indeno(1,2,3-cd)pyrene	1300		1	21.4	120	ug/Kg	10/20/25 15:57	PB170165
53-70-3	Dibenzo(a,h)anthracene	1200		1	20.1	120	ug/Kg	10/20/25 15:57	PB170165
191-24-2	Benzo(g,h,i)perylene	1300		1	18.9	120	ug/Kg	10/20/25 15:57	PB170165
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		1	18.8	120	ug/Kg	10/20/25 15:57	PB170165
123-91-1	1,4-Dioxane	1100		1	33.2	120	ug/Kg	10/20/25 15:57	PB170165
58-90-2	2,3,4,6-Tetrachlorophenol	1100		1	20.1	120	ug/Kg	10/20/25 15:57	PB170165
SURROGATES									
367-12-4	2-Fluorophenol	67.4			18 - 112	45%	SPK: 150		
13127-88-3	Phenol-d6	68.3			15 - 107	46%	SPK: 150		
4165-60-0	Nitrobenzene-d5	46.1			18 - 107	46%	SPK: 100		
321-60-8	2-Fluorobiphenyl	32.4			20 - 109	32%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	59.5			10 - 116	40%	SPK: 150		
1718-51-0	Terphenyl-d14	35.4			10 - 105	35%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	103000							
1146-65-2	Naphthalene-d8	382000							
15067-26-2	Acenaphthene-d10	201000							
1517-22-2	Phenanthrene-d10	318000							
1719-03-5	Chrysene-d12	224000							
1520-96-3	Perylene-d12	295000							

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	VNJ-245MS	SDG No.:	Q3375
Lab Sample ID:	Q3381-03MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	81.6
Sample Wt/Vol:	50.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	VNJ-245MSD	SDG No.:	Q3375
Lab Sample ID:	Q3381-03MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	81.6
Sample Wt/Vol:	50.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	660		1	110	240	ug/Kg	10/20/25 16:27	PB170165
108-95-2	Phenol	1200		1	16.2	120	ug/Kg	10/20/25 16:27	PB170165
111-44-4	bis(2-Chloroethyl)ether	1100		1	17.9	120	ug/Kg	10/20/25 16:27	PB170165
95-57-8	2-Chlorophenol	1100		1	17.9	120	ug/Kg	10/20/25 16:27	PB170165
95-48-7	2-Methylphenol	1100		1	22.0	120	ug/Kg	10/20/25 16:27	PB170165
108-60-1	2,2-oxybis(1-Chloropropane)	1100		1	27.6	120	ug/Kg	10/20/25 16:27	PB170165
98-86-2	Acetophenone	1200		1	21.7	120	ug/Kg	10/20/25 16:27	PB170165
65794-96-9	3+4-Methylphenols	1100		1	30.2	240	ug/Kg	10/20/25 16:27	PB170165
621-64-7	n-Nitroso-di-n-propylamine	1000		1	34.8	58.8	ug/Kg	10/20/25 16:27	PB170165
67-72-1	Hexachloroethane	1100		1	12.9	120	ug/Kg	10/20/25 16:27	PB170165
98-95-3	Nitrobenzene	1200		1	13.5	120	ug/Kg	10/20/25 16:27	PB170165
78-59-1	Isophorone	1100		1	24.1	120	ug/Kg	10/20/25 16:27	PB170165
88-75-5	2-Nitrophenol	1300		1	42.8	120	ug/Kg	10/20/25 16:27	PB170165
105-67-9	2,4-Dimethylphenol	1200		1	47.6	120	ug/Kg	10/20/25 16:27	PB170165
111-91-1	bis(2-Chloroethoxy)methane	1100		1	22.6	120	ug/Kg	10/20/25 16:27	PB170165
120-83-2	2,4-Dichlorophenol	1100		1	20.8	120	ug/Kg	10/20/25 16:27	PB170165
91-20-3	Naphthalene	1100		1	16.7	120	ug/Kg	10/20/25 16:27	PB170165
106-47-8	4-Chloroaniline	480		1	26.0	120	ug/Kg	10/20/25 16:27	PB170165
87-68-3	Hexachlorobutadiene	1100		1	18.6	120	ug/Kg	10/20/25 16:27	PB170165
105-60-2	Caprolactam	1100		1	38.3	240	ug/Kg	10/20/25 16:27	PB170165
59-50-7	4-Chloro-3-methylphenol	1100		1	21.1	120	ug/Kg	10/20/25 16:27	PB170165
91-57-6	2-Methylnaphthalene	1000		1	18.8	120	ug/Kg	10/20/25 16:27	PB170165
77-47-4	Hexachlorocyclopentadiene	2400	E	1	85.3	240	ug/Kg	10/20/25 16:27	PB170165
88-06-2	2,4,6-Trichlorophenol	1100		1	14.6	120	ug/Kg	10/20/25 16:27	PB170165
95-95-4	2,4,5-Trichlorophenol	1100		1	21.4	120	ug/Kg	10/20/25 16:27	PB170165
92-52-4	1,1-Biphenyl	1300		1	16.0	120	ug/Kg	10/20/25 16:27	PB170165
91-58-7	2-Chloronaphthalene	1100		1	16.5	120	ug/Kg	10/20/25 16:27	PB170165
88-74-4	2-Nitroaniline	1200		1	35.4	120	ug/Kg	10/20/25 16:27	PB170165
131-11-3	Dimethylphthalate	1100		1	19.9	120	ug/Kg	10/20/25 16:27	PB170165
208-96-8	Acenaphthylene	1300		1	21.2	120	ug/Kg	10/20/25 16:27	PB170165
606-20-2	2,6-Dinitrotoluene	1300		1	24.7	120	ug/Kg	10/20/25 16:27	PB170165
99-09-2	3-Nitroaniline	720		1	33.8	120	ug/Kg	10/20/25 16:27	PB170165
83-32-9	Acenaphthene	1200		1	15.7	120	ug/Kg	10/20/25 16:27	PB170165
51-28-5	2,4-Dinitrophenol	1500		1	170	240	ug/Kg	10/20/25 16:27	PB170165
100-02-7	4-Nitrophenol	2000	E	1	78.6	240	ug/Kg	10/20/25 16:27	PB170165
132-64-9	Dibenzofuran	1100		1	16.7	120	ug/Kg	10/20/25 16:27	PB170165
121-14-2	2,4-Dinitrotoluene	1300		1	36.8	120	ug/Kg	10/20/25 16:27	PB170165
84-66-2	Diethylphthalate	1100		1	20.8	120	ug/Kg	10/20/25 16:27	PB170165
7005-72-3	4-Chlorophenyl-phenylether	1100		1	19.6	120	ug/Kg	10/20/25 16:27	PB170165
86-73-7	Fluorene	1100		1	18.6	120	ug/Kg	10/20/25 16:27	PB170165
100-01-6	4-Nitroaniline	1000		1	47.2	120	ug/Kg	10/20/25 16:27	PB170165
534-52-1	4,6-Dinitro-2-methylphenol	1100		1	75.7	240	ug/Kg	10/20/25 16:27	PB170165

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	VNJ-245MSD	SDG No.:	Q3375
Lab Sample ID:	Q3381-03MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	81.6
Sample Wt/Vol:	50.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1300		1	24.2	120	ug/Kg	10/20/25 16:27	PB170165
101-55-3	4-Bromophenyl-phenylether	1200		1	20.4	120	ug/Kg	10/20/25 16:27	PB170165
118-74-1	Hexachlorobenzene	1200		1	18.6	120	ug/Kg	10/20/25 16:27	PB170165
1912-24-9	Atrazine	1200		1	25.0	120	ug/Kg	10/20/25 16:27	PB170165
87-86-5	Pentachlorophenol	1900		1	37.7	240	ug/Kg	10/20/25 16:27	PB170165
85-01-8	Phenanthrene	1300		1	15.4	120	ug/Kg	10/20/25 16:27	PB170165
120-12-7	Anthracene	1200		1	24.5	120	ug/Kg	10/20/25 16:27	PB170165
86-74-8	Carbazole	1200		1	22.9	120	ug/Kg	10/20/25 16:27	PB170165
84-74-2	Di-n-butylphthalate	1100		1	35.2	120	ug/Kg	10/20/25 16:27	PB170165
206-44-0	Fluoranthene	1300		1	22.1	120	ug/Kg	10/20/25 16:27	PB170165
129-00-0	Pyrene	1100		1	26.5	120	ug/Kg	10/20/25 16:27	PB170165
85-68-7	Butylbenzylphthalate	1100		1	52.5	120	ug/Kg	10/20/25 16:27	PB170165
91-94-1	3,3-Dichlorobenzidine	810		1	27.0	240	ug/Kg	10/20/25 16:27	PB170165
56-55-3	Benzo(a)anthracene	1400		1	16.9	120	ug/Kg	10/20/25 16:27	PB170165
218-01-9	Chrysene	1400		1	14.6	120	ug/Kg	10/20/25 16:27	PB170165
117-81-7	Bis(2-ethylhexyl)phthalate	1200		1	43.5	120	ug/Kg	10/20/25 16:27	PB170165
117-84-0	Di-n-octyl phthalate	1400		1	63.8	240	ug/Kg	10/20/25 16:27	PB170165
205-99-2	Benzo(b)fluoranthene	1400		1	14.0	120	ug/Kg	10/20/25 16:27	PB170165
207-08-9	Benzo(k)fluoranthene	1200		1	16.5	120	ug/Kg	10/20/25 16:27	PB170165
50-32-8	Benzo(a)pyrene	1400		1	21.7	120	ug/Kg	10/20/25 16:27	PB170165
193-39-5	Indeno(1,2,3-cd)pyrene	1300		1	21.4	120	ug/Kg	10/20/25 16:27	PB170165
53-70-3	Dibenzo(a,h)anthracene	1200		1	20.1	120	ug/Kg	10/20/25 16:27	PB170165
191-24-2	Benzo(g,h,i)perylene	1300		1	18.9	120	ug/Kg	10/20/25 16:27	PB170165
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		1	18.8	120	ug/Kg	10/20/25 16:27	PB170165
123-91-1	1,4-Dioxane	1100		1	33.2	120	ug/Kg	10/20/25 16:27	PB170165
58-90-2	2,3,4,6-Tetrachlorophenol	1100		1	20.1	120	ug/Kg	10/20/25 16:27	PB170165
SURROGATES									
367-12-4	2-Fluorophenol	67.2			18 - 112	45%	SPK: 150		
13127-88-3	Phenol-d6	68.8			15 - 107	46%	SPK: 150		
4165-60-0	Nitrobenzene-d5	46.4			18 - 107	46%	SPK: 100		
321-60-8	2-Fluorobiphenyl	32.2			20 - 109	32%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	55.9			10 - 116	37%	SPK: 150		
1718-51-0	Terphenyl-d14	32.9			10 - 105	33%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	100000							
1146-65-2	Naphthalene-d8	372000							
15067-26-2	Acenaphthene-d10	193000							
1517-22-2	Phenanthrene-d10	293000							
1719-03-5	Chrysene-d12	212000							
1520-96-3	Perylene-d12	285000							

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Oct 06 15:29:47 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143875.D 5 =BF143876.D 10 =BF143877.D 20 =BF143878.D 40 =BF143879.D 50 =BF143880.D 60 =BF143881.D 80 =BF1438
82.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.614	0.595	0.597	0.609	0.544	0.576	0.544	0.583	4.96
3)		Pyridine		1.691	1.672	1.749	1.772	1.668	1.680	1.644	1.697	2.74
4)		n-Nitrosodimet...			0.825	0.895	0.909	0.917	0.909	0.900	0.893	3.81
5)	S	2-Fluorophenol		1.378	1.349	1.352	1.307	1.173	1.177	1.079	1.259	9.15
6)		Aniline		2.400	2.327	2.361	2.343	2.185	2.134	1.997	2.250	6.58
7)	S	Phenol-d6		1.626	1.631	1.601	1.542	1.404	1.387	1.317	1.501	8.62
8)		2-Chlorophenol		1.324	1.229	1.274	1.294	1.201	1.182	1.113	1.231	5.90
9)		Benzaldehyde			1.115	1.026	1.329	1.198	1.390	0.890	1.158	16.18
10)	C	Phenol		1.934	1.814	1.889	1.841	1.756	1.739	1.589	1.795	6.33
11)		bis(2-Chloroet...		1.487	1.457	1.467	1.446	1.308	1.302	1.238	1.386	7.25
12)		1,3-Dichlorobe...		1.742	1.591	1.589	1.516	1.336	1.327	1.215	1.474	12.64
13)	C	1,4-Dichlorobe...		1.653	1.606	1.567	1.499	1.326	1.340	1.185	1.454	11.88
14)		1,2-Dichlorobe...		1.581	1.507	1.501	1.434	1.283	1.288	1.153	1.392	11.06
15)		Benzyl Alcohol			1.118	1.138	1.173	1.134	1.104	1.082	1.125	2.79
16)		2,2'-oxybis(1-...		3.520	3.385	3.273	3.239	3.008	2.945	2.720	3.156	8.79
17)		2-Methylphenol		1.064	1.057	1.049	1.054	0.985	0.986	0.927	1.017	5.10
18)		Hexachloroethane		0.533	0.508	0.515	0.501	0.456	0.464	0.417	0.485	8.39
19)	P	n-Nitroso-di-n...	1.052	1.135	1.134	1.054	1.026	0.970	0.938	0.912	1.028	8.13
20)		3+4-Methylphenols			1.401	1.342	1.266	1.067	1.068	0.933	1.179	15.58
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.515	0.461	0.462	0.433	0.374	0.375	0.340	0.423	14.67
23)	S	Nitrobenzene-d5		0.325	0.333	0.347	0.345	0.323	0.325	0.307	0.329	4.19
24)		Nitrobenzene		0.369	0.349	0.389	0.391	0.352	0.365	0.342	0.366	5.26
25)		Isophorone		0.754	0.708	0.708	0.705	0.665	0.663	0.656	0.694	5.04
26)	C	2-Nitrophenol		0.121	0.133	0.163	0.174	0.167	0.173	0.166	0.157	13.39
27)		2,4-Dimethylph...		0.287	0.288	0.292	0.295	0.271	0.278	0.264	0.282	4.08
28)		bis(2-Chloroet...		0.510	0.474	0.463	0.444	0.398	0.401	0.380	0.438	10.79
29)	C	2,4-Dichloroph...		0.317	0.292	0.313	0.307	0.280	0.282	0.265	0.294	6.54
30)		1,2,4-Trichlor...		0.331	0.299	0.307	0.298	0.266	0.272	0.249	0.289	9.57
31)		Naphthalene		1.103	0.996	0.972	0.932	0.817	0.817	0.732	0.910	14.06
32)		Benzoic acid			0.131	0.173	0.200	0.216	0.222	0.228	0.195	18.95
33)		4-Chloroaniline		0.368	0.370	0.357	0.355	0.319	0.321	0.298	0.341	8.20
34)	C	Hexachlorobuta...		0.231	0.214	0.210	0.207	0.183	0.187	0.173	0.201	10.11
35)		Caprolactam			0.092	0.091	0.095	0.094	0.093	0.094	0.093	1.59
36)	C	4-Chloro-3-met...		0.301	0.302	0.289	0.287	0.269	0.270	0.256	0.282	6.27
37)		2-Methylnaphth...		0.742	0.683	0.654	0.616	0.527	0.533	0.487	0.606	15.46
38)		1-Methylnaphth...		0.719	0.656	0.629	0.605	0.517	0.523	0.465	0.588	15.23

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100625.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.610	0.592	0.595	0.590	0.500	0.519	0.464	0.553	10.38
41)	P	Hexachlorocycl...		0.182	0.216	0.257	0.246	0.240	0.235	0.229	11.77
42)	S	2,4,6-Tribromo...	0.194	0.192	0.210	0.207	0.198	0.200	0.193	0.199	3.51
43)	C	2,4,6-Trichlor...	0.408	0.394	0.426	0.445	0.383	0.395	0.376	0.404	6.07
44)		2,4,5-Trichlor...	0.443	0.444	0.460	0.456	0.401	0.403	0.380	0.427	7.34
45)	S	2-Fluorobiphenyl	1.568	1.424	1.335	1.224	0.984	1.028		1.260	18.04
46)		1,1'-Biphenyl	1.617	1.476	1.448	1.374	1.134	1.171	1.050	1.324	15.77
47)		2-Chloronaphth...	1.294	1.196	1.197	1.137	0.988	1.003	0.913	1.104	12.50
48)		2-Nitroaniline	0.293	0.322	0.371	0.392	0.354	0.365	0.348	0.349	9.43
49)		Acenaphthylene	1.797	1.701	1.648	1.623	1.386	1.426	1.284	1.552	12.11
50)		Dimethylphthalate	1.442	1.351	1.334	1.291	1.166	1.202	1.105	1.270	9.29
51)		2,6-Dinitrotol...	0.201	0.204	0.245	0.262	0.250	0.250	0.237	0.236	10.13
52)	C	Acenaphthene	1.177	1.115	1.096	1.052	0.897	0.934	0.847	1.017	12.21
53)		3-Nitroaniline	0.256	0.270	0.306	0.306	0.296	0.298	0.286	0.288	6.59
54)	P	2,4-Dinitrophenol		0.061	0.094	0.120	0.143	0.144	0.146	0.118	29.25
55)		Dibenzofuran	1.680	1.608	1.572	1.494	1.253	1.295	1.149	1.436	14.13
56)	P	4-Nitrophenol		0.173	0.215	0.234	0.230	0.228	0.230	0.218	10.55
57)		2,4-Dinitrotol...	0.252	0.284	0.341	0.365	0.335	0.346	0.320	0.320	12.30
58)		Fluorene	1.393	1.266	1.173	1.097	0.897	0.922	0.835	1.083	19.21
59)		2,3,4,6-Tetrac...	0.276	0.303	0.315	0.325	0.300	0.309	0.288	0.302	5.49
60)		Diethylphthalate	1.319	1.281	1.273	1.222	1.070	1.105	0.989	1.180	10.62
61)		4-Chlorophenyl...	0.689	0.662	0.626	0.596	0.485	0.505	0.446	0.573	16.43
62)		4-Nitroaniline	0.257	0.259	0.285	0.292	0.287	0.288	0.274	0.277	5.25
63)		Azobenzene	1.387	1.331	1.308	1.280	1.114	1.156	1.055	1.233	10.10
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.065	0.092	0.111	0.112	0.114	0.110	0.101	19.26
66)	c	n-Nitrosodiphe...	0.712	0.683	0.675	0.656	0.560	0.584	0.527	0.628	11.22
67)		4-Bromophenyl-...	0.247	0.234	0.231	0.231	0.201	0.207	0.196	0.221	8.74
68)		Hexachlorobenzene	0.277	0.268	0.263	0.267	0.242	0.245	0.231	0.256	6.59
69)		Atrazine	0.197	0.206	0.213	0.195	0.184	0.177	0.161	0.190	9.44
70)	C	Pentachlorophenol		0.117	0.152	0.157	0.154	0.154	0.147	0.147	10.10
71)		Phenanthrene	1.164	1.092	1.066	0.976	0.842	0.872	0.775	0.970	14.94
72)		Anthracene	1.161	1.097	1.057	1.025	0.854	0.881	0.781	0.980	14.43
73)		Carbazole	1.015	0.962	0.939	0.884	0.766	0.804	0.703	0.868	13.10
74)		Di-n-butylphth...	1.089	1.094	1.108	1.053	0.910	0.954	0.830	1.005	10.76
75)	C	Fluoranthene	1.156	1.153	1.094	1.032	0.876	0.910	0.789	1.002	14.43
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.701	0.719	0.761	0.651	0.640		0.694	7.16
78)		Pyrene	1.838	1.663	1.769	1.863	1.541	1.578	1.420	1.667	9.87
79)	S	Terphenyl-d14	1.301	1.209	1.271	1.279	1.066	1.080	0.984	1.170	10.70
80)		Butylbenzylpht...	0.466	0.503	0.579	0.620	0.545	0.553	0.524	0.542	9.31
81)		Benzo(a)anthra...	1.342	1.347	1.354	1.398	1.232	1.291	1.198	1.309	5.49
82)		3,3'-Dichlorob...		0.364	0.403	0.440	0.401	0.404	0.381	0.399	6.41
83)		Chrysene	1.373	1.188	1.267	1.294	1.116	1.126	1.115	1.211	8.41
84)		Bis(2-ethylhex...	0.591	0.619	0.687	0.739	0.642	0.672	0.619	0.653	7.70
85)	c	Di-n-octyl pht...		0.837	1.009	1.194	1.108	1.151	1.133	1.072	12.19

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100625.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.114	1.104	1.222	1.393	1.235	1.263	1.248	1.225	7.97
88)		Benzo(b)fluora...	1.207	1.138	1.131	1.269	1.095	1.202	1.000	1.149	7.63
89)		Benzo(k)fluora...	1.138	1.173	1.228	1.108	0.923	0.921	0.951	1.063	12.11
90)	C	Benzo(a)pyrene	1.000	1.006	1.037	1.102	0.936	0.970	0.923	0.996	6.17
91)		Dibenzo(a,h)an...	0.888	0.915	1.015	1.128	0.975	1.007	0.972	0.986	7.89
92)		Benzo(g,h,i)pe...	0.889	0.888	0.983	1.117	0.991	1.018	1.014	0.986	8.08

(#) = Out of Range

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 02 16:40:42 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064473.D 5 =BG064474.D 10 =BG064481.D 20 =BG064476.D 40 =BG064477.D 50 =BG064478.D 60 =BG064479.D 80 =BG0644
80.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.530	0.412	0.447	0.438	0.398	0.386	0.381	0.427	12.10
3)		Pyridine		1.225	1.151	1.147	1.236	1.102	1.095	1.086	1.149	5.33
4)		n-Nitrosodimet...			0.854	0.790	0.863	0.833	0.843	0.814	0.833	3.24
5)	S	2-Fluorophenol		1.066	1.018	1.053	1.195	1.071	1.108	1.053	1.081	5.26
6)		Aniline		1.913	1.738	1.827	2.020	1.772	1.823	1.729	1.832	5.68
7)	S	Phenol-d6		1.395	1.373	1.446	1.631	1.434	1.496	1.391	1.452	6.12
8)		2-Chlorophenol		1.387	1.264	1.312	1.455	1.264	1.336	1.271	1.327	5.45
9)		Benzaldehyde			1.437	1.039	1.527	1.146	1.548	1.037	1.289	18.76
10)	C	Phenol		1.518	1.397	1.530	1.683	1.517	1.583	1.496	1.532	5.68
11)		bis(2-Chloroet...		1.117	0.953	1.002	1.134	1.000	1.064	0.992	1.038	6.61
12)		1,3-Dichlorobe...		1.558	1.459	1.396	1.582	1.385	1.418	1.363	1.452	5.97
13)	C	1,4-Dichlorobe...		1.506	1.435	1.452	1.581	1.421	1.421	1.383	1.457	4.57
14)		1,2-Dichlorobe...		1.583	1.389	1.434	1.533	1.377	1.399	1.335	1.436	6.24
15)		Benzyl Alcohol			1.224	1.300	1.447	1.342	1.399	1.312	1.337	5.87
16)		2,2'-oxybis(1-...		1.720	1.610	1.657	1.804	1.650	1.708	1.558	1.672	4.80
17)		2-Methylphenol		1.105	1.063	1.087	1.215	1.076	1.143	1.077	1.109	4.81
18)		Hexachloroethane		0.586	0.630	0.534	0.604	0.562	0.566	0.544	0.575	5.87
19)	P	n-Nitroso-di-n...	0.813	1.008	0.913	1.006	1.096	0.959	1.048	0.926	0.971	9.10
20)		3+4-Methylphenols			1.472	1.510	1.700	1.492	1.622	1.494	1.548	5.91
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.476	0.450	0.477	0.516	0.491	0.495	0.486	0.484	4.21
23)	S	Nitrobenzene-d5		0.360	0.352	0.378	0.396	0.369	0.381	0.369	0.372	3.84
24)		Nitrobenzene		0.403	0.348	0.352	0.395	0.364	0.377	0.358	0.371	5.73
25)		Isophorone		0.672	0.654	0.674	0.721	0.660	0.686	0.650	0.674	3.59
26)	C	2-Nitrophenol		0.197	0.169	0.181	0.192	0.185	0.188	0.181	0.185	4.93
27)		2,4-Dimethylph...		0.277	0.257	0.279	0.299	0.285	0.298	0.281	0.282	4.97
28)		bis(2-Chloroet...		0.320	0.320	0.361	0.375	0.336	0.352	0.341	0.343	5.92
29)	C	2,4-Dichloroph...		0.323	0.305	0.321	0.343	0.322	0.336	0.332	0.326	3.78
30)		1,2,4-Trichlor...		0.383	0.333	0.360	0.377	0.339	0.349	0.347	0.356	5.27
31)		Naphthalene		1.062	0.980	1.013	1.107	0.995	1.041	1.011	1.030	4.26
32)		Benzoic acid			0.149	0.198	0.230	0.240	0.239	0.243	0.216	17.02
33)		4-Chloroaniline		0.392	0.398	0.373	0.417	0.388	0.406	0.392	0.395	3.53
34)	C	Hexachlorobuta...		0.331	0.289	0.308	0.316	0.296	0.300	0.291	0.304	4.94
35)		Caprolactam			0.108	0.120	0.115	0.111	0.110	0.107	0.112	4.36
36)	C	4-Chloro-3-met...		0.395	0.381	0.392	0.418	0.390	0.405	0.395	0.397	3.01
37)		2-Methylnaphth...		0.783	0.771	0.790	0.843	0.778	0.799	0.770	0.791	3.18
38)		1-Methylnaphth...		0.837	0.782	0.782	0.825	0.750	0.784	0.758	0.788	4.08

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG100225.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.622	0.604	0.622	0.708	0.640	0.678	0.646	0.646	5.60
41)	P	Hexachlorocycl...		0.279	0.296	0.363	0.356	0.378	0.356	0.338	11.95
42)	S	2,4,6-Tribromo...	0.364	0.352	0.367	0.381	0.364	0.361	0.349	0.363	2.89
43)	C	2,4,6-Trichlor...	0.391	0.390	0.396	0.445	0.416	0.436	0.414	0.413	5.30
44)		2,4,5-Trichlor...	0.451	0.452	0.430	0.486	0.465	0.473	0.470	0.461	3.93
45)	S	2-Fluorobiphenyl	1.355	1.338	1.346	1.434	1.325	1.389	1.310	1.357	3.11
46)		1,1'-Biphenyl	1.439	1.388	1.417	1.521	1.434	1.484	1.387	1.438	3.42
47)		2-Chloronaphth...	1.006	1.104	1.046	1.153	1.056	1.106	1.046	1.074	4.61
48)		2-Nitroaniline	0.301	0.362	0.371	0.397	0.386	0.385	0.365	0.367	8.60
49)		Acenaphthylene	1.591	1.534	1.573	1.704	1.574	1.638	1.546	1.594	3.68
50)		Dimethylphthalate	1.564	1.584	1.582	1.624	1.531	1.586	1.493	1.566	2.72
51)		2,6-Dinitrotol...	0.292	0.326	0.335	0.337	0.333	0.345	0.316	0.326	5.43
52)	C	Acenaphthene	1.108	1.099	1.086	1.159	1.106	1.138	1.058	1.108	2.98
53)		3-Nitroaniline	0.279	0.294	0.300	0.319	0.315	0.303	0.296	0.301	4.50
54)	P	2,4-Dinitrophenol		0.265	0.270	0.207	0.228	0.229	0.220	0.237	10.76
55)		Dibenzofuran	1.837	1.810	1.800	1.909	1.821	1.872	1.753	1.829	2.77
56)	P	4-Nitrophenol		0.192	0.227	0.260	0.256	0.253	0.232	0.237	10.85
57)		2,4-Dinitrotol...	0.481	0.499	0.488	0.527	0.513	0.506	0.477	0.499	3.60
58)		Fluorene	1.518	1.511	1.535	1.601	1.488	1.532	1.458	1.520	2.91
59)		2,3,4,6-Tetrac...	0.438	0.447	0.475	0.505	0.475	0.494	0.457	0.470	5.16
60)		Diethylphthalate	1.747	1.692	1.679	1.730	1.675	1.663	1.578	1.680	3.25
61)		4-Chlorophenyl...	0.866	0.809	0.839	0.868	0.817	0.819	0.794	0.830	3.42
62)		4-Nitroaniline	0.229	0.296	0.331	0.334	0.345	0.340	0.320	0.314	12.96
63)		Azobenzene	1.339	1.299	1.325	1.346	1.295	1.289	1.216	1.301	3.37
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.125	0.139	0.145	0.138	0.145	0.144	0.139	5.58
66)	c	n-Nitrosodiphe...	0.540	0.519	0.534	0.569	0.508	0.541	0.529	0.534	3.62
67)		4-Bromophenyl-...	0.235	0.229	0.227	0.253	0.224	0.237	0.241	0.235	4.21
68)		Hexachlorobenzene	0.256	0.261	0.272	0.288	0.260	0.280	0.270	0.269	4.36
69)		Atrazine	0.237	0.240	0.247	0.250	0.232	0.239	0.219	0.238	4.26
70)	C	Pentachlorophenol		0.118	0.146	0.169	0.166	0.170	0.175	0.157	13.66
71)		Phenanthrene	1.072	1.022	1.055	1.111	1.002	1.050	1.010	1.046	3.65
72)		Anthracene	1.045	1.028	1.044	1.130	1.001	1.068	1.029	1.049	3.93
73)		Carbazole	0.883	0.895	0.904	0.987	0.877	0.921	0.880	0.907	4.24
74)		Di-n-butylphth...	1.096	1.079	1.105	1.189	1.076	1.131	1.076	1.107	3.71
75)	C	Fluoranthene	1.269	1.226	1.272	1.330	1.192	1.253	1.204	1.250	3.77
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.393	0.424	0.649	0.540	0.621	0.359	0.498	24.67
78)		Pyrene	1.295	1.329	1.316	1.392	1.242	1.281	1.230	1.298	4.24
79)	S	Terphenyl-d14	1.067	1.061	1.069	1.123	1.030	1.044	1.003	1.057	3.55
80)		Butylbenzylpht...	0.437	0.438	0.464	0.497	0.447	0.479	0.458	0.460	4.78
81)		Benzo(a)anthra...	1.280	1.239	1.285	1.353	1.238	1.291	1.253	1.277	3.15
82)		3,3'-Dichlorob...		0.418	0.431	0.458	0.423	0.443	0.420	0.432	3.58
83)		Chrysene	1.226	1.200	1.195	1.297	1.173	1.210	1.178	1.211	3.48
84)		Bis(2-ethylhex...	0.605	0.637	0.640	0.692	0.641	0.670	0.658	0.649	4.26
85)	c	Di-n-octyl pht...		1.055	1.050	1.153	1.073	1.125	1.089	1.091	3.74

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG100225.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.368	1.320	1.378	1.493	1.387	1.431	1.368	1.392	3.98
88)		Benzo(b)fluora...	1.077	1.084	1.171	1.212	1.142	1.169	1.109	1.138	4.40
89)		Benzo(k)fluora...	1.139	1.082	1.145	1.233	1.123	1.156	1.142	1.146	3.97
90)	C	Benzo(a)pyrene	1.017	0.999	1.059	1.122	1.031	1.075	1.037	1.049	3.91
91)		Dibenzo(a,h)an...	1.047	1.053	1.121	1.190	1.115	1.151	1.116	1.113	4.55
92)		Benzo(g,h,i)pe...	1.059	1.053	1.088	1.153	1.069	1.104	1.048	1.082	3.41

(#) = Out of Range

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3375

Instrument ID: BNA_F Calibration Date/Time: 10/20/2025 13:28

Lab File ID: BF143997.D Init. Calib. Date(s): 10/06/2025 10/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.277		1.4	
Benzaldehyde	1.158	1.204		4.0	
Phenol-d6	1.501	1.495		-0.4	
Phenol	1.795	1.865		3.9	20.0
bis(2-Chloroethyl)ether	1.386	1.393		0.5	
2-Chlorophenol	1.231	1.238		0.6	
2-Methylphenol	1.017	1.013		-0.4	
2,2-oxybis(1-Chloropropane)	3.156	3.251		3.0	
Acetophenone	0.423	0.408		-3.5	
3+4-Methylphenols	1.179	1.202		2.0	
n-Nitroso-di-n-propylamine	1.028	0.963	0.050	-6.3	
Nitrobenzene-d5	0.329	0.338		2.7	
Hexachloroethane	0.485	0.497		2.5	
Nitrobenzene	0.366	0.371		1.4	
Isophorone	0.694	0.660		-4.9	
2-Nitrophenol	0.157	0.179		14.0	20.0
2,4-Dimethylphenol	0.282	0.286		1.4	
bis(2-Chloroethoxy)methane	0.438	0.428		-2.3	
2,4-Dichlorophenol	0.294	0.288		-2.0	20.0
Naphthalene	0.910	0.892		-2.0	
4-Chloroaniline	0.341	0.339		-0.6	
Hexachlorobutadiene	0.201	0.194		-3.5	20.0
Caprolactam	0.093	0.092		-1.1	
4-Chloro-3-methylphenol	0.282	0.273		-3.2	20.0
2-Methylnaphthalene	0.606	0.583		-3.8	
Hexachlorocyclopentadiene	0.229	0.236	0.050	3.1	
2,4,6-Trichlorophenol	0.404	0.405		0.2	20.0
2-Fluorobiphenyl	1.260	1.168		-7.3	
2,4,5-Trichlorophenol	0.427	0.422		-1.2	
1,1-Biphenyl	1.324	1.296		-2.1	
2-Chloronaphthalene	1.104	1.104		0.0	
2-Nitroaniline	0.349	0.369		5.7	
Dimethylphthalate	1.270	1.238		-2.5	
Acenaphthylene	1.552	1.553		0.1	
2,6-Dinitrotoluene	0.236	0.262		11.0	
3-Nitroaniline	0.288	0.307		6.6	
Acenaphthene	1.017	0.995		-2.2	20.0
2,4-Dinitrophenol	0.118	0.112	0.050	-5.1	
4-Nitrophenol	0.218	0.209	0.050	-4.1	

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3375

Instrument ID: BNA_F Calibration Date/Time: 10/20/2025 13:28

Lab File ID: BF143997.D Init. Calib. Date(s): 10/06/2025 10/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.436	1.417		-1.3	
2,4-Dinitrotoluene	0.320	0.364		13.8	
Diethylphthalate	1.180	1.162		-1.5	
4-Chlorophenyl-phenylether	0.573	0.563		-1.7	
Fluorene	1.083	1.040		-4.0	
4-Nitroaniline	0.277	0.284		2.5	
4,6-Dinitro-2-methylphenol	0.101	0.110		8.9	
n-Nitrosodiphenylamine	0.628	0.625		-0.5	20.0
2,4,6-Tribromophenol	0.199	0.198		-0.5	
4-Bromophenyl-phenylether	0.221	0.220		-0.5	
Hexachlorobenzene	0.256	0.254		-0.8	
Atrazine	0.190	0.186		-2.1	
Pentachlorophenol	0.147	0.131		-10.9	20.0
Phenanthrene	0.970	0.966		-0.4	
Anthracene	0.980	0.968		-1.2	
Carbazole	0.868	0.858		-1.2	
Di-n-butylphthalate	1.005	1.014		0.9	
Fluoranthene	1.002	0.979		-2.3	20.0
Pyrene	1.667	1.712		2.7	
Terphenyl-d14	1.170	1.223		4.5	
Butylbenzylphthalate	0.542	0.563		3.9	
3,3-Dichlorobenzidine	0.399	0.393		-1.5	
Benzo(a)anthracene	1.309	1.276		-2.5	
Chrysene	1.211	1.205		-0.5	
Bis(2-ethylhexyl)phthalate	0.653	0.643		-1.5	
Di-n-octyl phthalate	1.072	1.026		-4.3	20.0
Benzo(b)fluoranthene	1.149	1.090		-5.1	
Benzo(k)fluoranthene	1.063	1.091		2.6	
Benzo(a)pyrene	0.996	1.015		1.9	20.0
Indeno(1,2,3-cd)pyrene	1.225	1.431		16.8	
Dibenzo(a,h)anthracene	0.986	1.159		17.5	
Benzo(g,h,i)perylene	0.986	1.153		16.9	
1,2,4,5-Tetrachlorobenzene	0.553	0.560		1.3	
1,4-Dioxane	0.583	0.607		4.1	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.298		-1.3	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3375

Instrument ID: BNA_F Calibration Date/Time: 10/21/2025 13:29

Lab File ID: BF144009.D Init. Calib. Date(s): 10/06/2025 10/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.299		3.2	
Benzaldehyde	1.158	1.203		3.9	
Phenol-d6	1.501	1.494		-0.5	
Phenol	1.795	1.901		5.9	20.0
bis(2-Chloroethyl)ether	1.386	1.376		-0.7	
2-Chlorophenol	1.231	1.267		2.9	
2-Methylphenol	1.017	1.009		-0.8	
2,2-oxybis(1-Chloropropane)	3.156	3.225		2.2	
Acetophenone	0.423	0.409		-3.3	
3+4-Methylphenols	1.179	1.177		-0.2	
n-Nitroso-di-n-propylamine	1.028	0.983	0.050	-4.4	
Nitrobenzene-d5	0.329	0.341		3.6	
Hexachloroethane	0.485	0.486		0.2	
Nitrobenzene	0.366	0.382		4.4	
Isophorone	0.694	0.664		-4.3	
2-Nitrophenol	0.157	0.182		15.9	20.0
2,4-Dimethylphenol	0.282	0.290		2.8	
bis(2-Chloroethoxy)methane	0.438	0.433		-1.1	
2,4-Dichlorophenol	0.294	0.295		0.3	20.0
Naphthalene	0.910	0.902		-0.9	
4-Chloroaniline	0.341	0.341		0.0	
Hexachlorobutadiene	0.201	0.197		-2.0	20.0
Caprolactam	0.093	0.095		2.2	
4-Chloro-3-methylphenol	0.282	0.281		-0.4	20.0
2-Methylnaphthalene	0.606	0.599		-1.2	
Hexachlorocyclopentadiene	0.229	0.224	0.050	-2.2	
2,4,6-Trichlorophenol	0.404	0.394		-2.5	20.0
2-Fluorobiphenyl	1.260	1.174		-6.8	
2,4,5-Trichlorophenol	0.427	0.432		1.2	
1,1-Biphenyl	1.324	1.283		-3.1	
2-Chloronaphthalene	1.104	1.099		-0.5	
2-Nitroaniline	0.349	0.372		6.6	
Dimethylphthalate	1.270	1.246		-1.9	
Acenaphthylene	1.552	1.531		-1.4	
2,6-Dinitrotoluene	0.236	0.265		12.3	
3-Nitroaniline	0.288	0.299		3.8	
Acenaphthene	1.017	0.980		-3.6	20.0
2,4-Dinitrophenol	0.118	0.105	0.050	-11.0	
4-Nitrophenol	0.218	0.197	0.050	-9.6	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3375

Instrument ID: BNA_F Calibration Date/Time: 10/21/2025 13:29

Lab File ID: BF144009.D Init. Calib. Date(s): 10/06/2025 10/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.436	1.413		-1.6	
2,4-Dinitrotoluene	0.320	0.350		9.4	
Diethylphthalate	1.180	1.127		-4.5	
4-Chlorophenyl-phenylether	0.573	0.561		-2.1	
Fluorene	1.083	1.053		-2.9	
4-Nitroaniline	0.277	0.278		0.4	
4,6-Dinitro-2-methylphenol	0.101	0.109		7.9	
n-Nitrosodiphenylamine	0.628	0.632		0.6	20.0
2,4,6-Tribromophenol	0.199	0.191		-4.0	
4-Bromophenyl-phenylether	0.221	0.213		-3.6	
Hexachlorobenzene	0.256	0.249		-2.7	
Atrazine	0.190	0.184		-3.2	
Pentachlorophenol	0.147	0.129		-12.2	20.0
Phenanthrene	0.970	0.933		-3.8	
Anthracene	0.980	0.987		0.7	
Carbazole	0.868	0.845		-2.7	
Di-n-butylphthalate	1.005	1.014		0.9	
Fluoranthene	1.002	0.960		-4.2	20.0
Pyrene	1.667	1.805		8.3	
Terphenyl-d14	1.170	1.282		9.6	
Butylbenzylphthalate	0.542	0.567		4.6	
3,3-Dichlorobenzidine	0.399	0.400		0.3	
Benzo(a)anthracene	1.309	1.372		4.8	
Chrysene	1.211	1.172		-3.2	
Bis(2-ethylhexyl)phthalate	0.653	0.671		2.8	
Di-n-octyl phthalate	1.072	1.175		9.6	20.0
Benzo(b)fluoranthene	1.149	1.144		-0.4	
Benzo(k)fluoranthene	1.063	0.968		-8.9	
Benzo(a)pyrene	0.996	1.033		3.7	20.0
Indeno(1,2,3-cd)pyrene	1.225	1.420		15.9	
Dibenzo(a,h)anthracene	0.986	1.157		17.3	
Benzo(g,h,i)perylene	0.986	1.143		15.9	
1,2,4,5-Tetrachlorobenzene	0.553	0.559		1.1	
1,4-Dioxane	0.583	0.600		2.9	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.299		-1.0	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3375

Instrument ID: BNA_G Calibration Date/Time: 10/20/2025 12:44

Lab File ID: BG064547.D Init. Calib. Date(s): 10/02/2025 10/02/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 15:49

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.081	1.194		10.5	
Benzaldehyde	1.290	1.393		8.0	
Phenol-d6	1.452	1.610		10.9	
Phenol	1.532	1.641		7.1	20.0
bis(2-Chloroethyl)ether	1.038	1.092		5.2	
2-Chlorophenol	1.327	1.449		9.2	
2-Methylphenol	1.109	1.242		12.0	
2,2-oxybis(1-Chloropropane)	1.672	1.575		-5.8	
Acetophenone	0.484	0.526		8.7	
3+4-Methylphenols	1.548	1.686		8.9	
n-Nitroso-di-n-propylamine	0.971	1.105	0.050	13.8	
Nitrobenzene-d5	0.372	0.403		8.3	
Hexachloroethane	0.575	0.619		7.7	
Nitrobenzene	0.371	0.388		4.6	
Isophorone	0.674	0.707		4.9	
2-Nitrophenol	0.185	0.203		9.7	20.0
2,4-Dimethylphenol	0.282	0.312		10.6	
bis(2-Chloroethoxy)methane	0.343	0.365		6.4	
2,4-Dichlorophenol	0.326	0.358		9.8	20.0
Naphthalene	1.030	1.119		8.6	
4-Chloroaniline	0.395	0.412		4.3	
Hexachlorobutadiene	0.304	0.337		10.9	20.0
Caprolactam	0.112	0.118		5.4	
4-Chloro-3-methylphenol	0.397	0.427		7.6	20.0
2-Methylnaphthalene	0.791	0.842		6.4	
Hexachlorocyclopentadiene	0.338	0.380	0.050	12.4	
2,4,6-Trichlorophenol	0.413	0.471		14.0	20.0
2-Fluorobiphenyl	1.357	1.453		7.1	
2,4,5-Trichlorophenol	0.461	0.485		5.2	
1,1-Biphenyl	1.438	1.493		3.8	
2-Chloronaphthalene	1.074	1.136		5.8	
2-Nitroaniline	0.367	0.404		10.1	
Dimethylphthalate	1.566	1.653		5.6	
Acenaphthylene	1.594	1.720		7.9	
2,6-Dinitrotoluene	0.326	0.349		7.1	
3-Nitroaniline	0.301	0.316		5.0	
Acenaphthene	1.108	1.160		4.7	20.0
2,4-Dinitrophenol	0.237	0.201	0.050	-15.2	
4-Nitrophenol	0.237	0.224	0.050	-5.5	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3375

Instrument ID: BNA_G Calibration Date/Time: 10/20/2025 12:44

Lab File ID: BG064547.D Init. Calib. Date(s): 10/02/2025 10/02/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 15:49

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.829	1.957		7.0	
2,4-Dinitrotoluene	0.499	0.527		5.6	
Diethylphthalate	1.680	1.793		6.7	
4-Chlorophenyl-phenylether	0.830	0.883		6.4	
Fluorene	1.520	1.623		6.8	
4-Nitroaniline	0.314	0.338		7.6	
4,6-Dinitro-2-methylphenol	0.139	0.145		4.3	
n-Nitrosodiphenylamine	0.534	0.568		6.4	20.0
2,4,6-Tribromophenol	0.363	0.393		8.3	
4-Bromophenyl-phenylether	0.235	0.253		7.7	
Hexachlorobenzene	0.269	0.296		10.0	
Atrazine	0.238	0.240		0.8	
Pentachlorophenol	0.157	0.169		7.6	20.0
Phenanthrene	1.046	1.100		5.2	
Anthracene	1.049	1.130		7.7	
Carbazole	0.907	0.960		5.8	
Di-n-butylphthalate	1.107	1.175		6.1	
Fluoranthene	1.250	1.308		4.6	20.0
Pyrene	1.298	1.355		4.4	
Terphenyl-d14	1.057	1.133		7.2	
Butylbenzylphthalate	0.460	0.496		7.8	
3,3-Dichlorobenzidine	0.432	0.455		5.3	
Benzo(a)anthracene	1.277	1.361		6.6	
Chrysene	1.211	1.287		6.3	
Bis(2-ethylhexyl)phthalate	0.649	0.709		9.2	
Di-n-octyl phthalate	1.091	1.198		9.8	20.0
Benzo(b)fluoranthene	1.138	1.217		6.9	
Benzo(k)fluoranthene	1.146	1.257		9.7	
Benzo(a)pyrene	1.049	1.138		8.5	20.0
Indeno(1,2,3-cd)pyrene	1.392	1.498		7.6	
Dibenzo(a,h)anthracene	1.113	1.205		8.3	
Benzo(g,h,i)perylene	1.082	1.159		7.1	
1,2,4,5-Tetrachlorobenzene	0.646	0.669		3.6	
1,4-Dioxane	0.427	0.377		-11.7	20.0
2,3,4,6-Tetrachlorophenol	0.470	0.507		7.9	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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LAB CHRONICLE

OrderID:	Q3375	**OrderDate:**	10/17/2025 10:32:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3375-01	**PR132-S02-074099-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			PCB	8082A		10/20/25	10/20/25	
			Pesticide-TCL	8081B		10/20/25	10/20/25	
Q3375-02	**PR132-S04-000013-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			PCB	8082A		10/20/25	10/20/25	
			Pesticide-TCL	8081B		10/20/25	10/20/25	
Q3375-03	**PR132-S05-000057-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			PCB	8082A		10/20/25	10/20/25	
			Pesticide-TCL	8081B		10/20/25	10/20/25	
Q3375-04	**PR132-S02-010074-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			PCB	8082A		10/20/25	10/20/25	
			Pesticide-TCL	8081B		10/20/25	10/20/25	
Q3375-05	**PR132-DP02-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			PCB	8082A		10/20/25	10/20/25	
			Pesticide-TCL	8081B		10/20/25	10/20/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3375 **Order ID:** Q3375

Client: AECOM **Project ID:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-S05-000057-20251016								
Q3375-03	PR132-S05-000057-2(	SOIL	Dieldrin	0.77	JP	0.21	2.50	ug/kg
Q3375-03	PR132-S05-000057-2(	SOIL	4,4-DDE	1.60	J	0.21	2.50	ug/kg
Q3375-03	PR132-S05-000057-2(	SOIL	4,4-DDD	0.88	J	0.22	2.50	ug/kg
Q3375-03	PR132-S05-000057-2(	SOIL	alpha-Chlordane	0.30	J	0.18	2.50	ug/kg
Q3375-03	PR132-S05-000057-2(	SOIL	gamma-Chlordane	0.37	J	0.22	2.50	ug/kg
			Total Concentration:	**3.920**				
Client ID : PR132-DP02-20251016								
Q3375-05	PR132-DP02-2025101	SOIL	Dieldrin	1.10	JP	0.21	2.50	ug/kg
Q3375-05	PR132-DP02-2025101	SOIL	4,4-DDE	2.70	P	0.21	2.50	ug/kg
Q3375-05	PR132-DP02-2025101	SOIL	4,4-DDD	3.50		0.22	2.50	ug/kg
Q3375-05	PR132-DP02-2025101	SOIL	alpha-Chlordane	0.57	JP	0.18	2.50	ug/kg
Q3375-05	PR132-DP02-2025101	SOIL	gamma-Chlordane	0.77	J	0.22	2.50	ug/kg
			Total Concentration:	**8.640**				

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-074099-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	69.2
Sample Wt/Vol:	30.02 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	2.50	U	1	0.19	2.50	ug/kg	10/20/25 19:50	PB170163
319-85-7	beta-BHC	2.50	U	1	0.26	2.50	ug/kg	10/20/25 19:50	PB170163
319-86-8	delta-BHC	2.50	U	1	0.56	2.50	ug/kg	10/20/25 19:50	PB170163
58-89-9	gamma-BHC (Lindane)	2.50	U	1	0.20	2.50	ug/kg	10/20/25 19:50	PB170163
76-44-8	Heptachlor	2.50	U	1	0.17	2.50	ug/kg	10/20/25 19:50	PB170163
309-00-2	Aldrin	2.50	U	1	0.17	2.50	ug/kg	10/20/25 19:50	PB170163
1024-57-3	Heptachlor epoxide	2.50	U	1	0.27	2.50	ug/kg	10/20/25 19:50	PB170163
959-98-8	Endosulfan I	2.50	U	1	0.20	2.50	ug/kg	10/20/25 19:50	PB170163
60-57-1	Dieldrin	2.50	U	1	0.20	2.50	ug/kg	10/20/25 19:50	PB170163
72-55-9	4,4-DDE	2.50	U	1	0.20	2.50	ug/kg	10/20/25 19:50	PB170163
72-20-8	Endrin	2.50	U	1	0.20	2.50	ug/kg	10/20/25 19:50	PB170163
33213-65-9	Endosulfan II	2.50	U	1	0.42	2.50	ug/kg	10/20/25 19:50	PB170163
72-54-8	4,4-DDD	2.50	U	1	0.22	2.50	ug/kg	10/20/25 19:50	PB170163
1031-07-8	Endosulfan Sulfate	2.50	U	1	0.19	2.50	ug/kg	10/20/25 19:50	PB170163
50-29-3	4,4-DDT	2.50	U	1	0.20	2.50	ug/kg	10/20/25 19:50	PB170163
72-43-5	Methoxychlor	2.50	U	1	0.53	2.50	ug/kg	10/20/25 19:50	PB170163
53494-70-5	Endrin ketone	2.50	U	1	0.27	2.50	ug/kg	10/20/25 19:50	PB170163
7421-93-4	Endrin aldehyde	2.50	U	1	0.53	2.50	ug/kg	10/20/25 19:50	PB170163
5103-71-9	alpha-Chlordane	2.50	U	1	0.17	2.50	ug/kg	10/20/25 19:50	PB170163
5103-74-2	gamma-Chlordane	2.50	U	1	0.22	2.50	ug/kg	10/20/25 19:50	PB170163
8001-35-2	Toxaphene	47.7	U	1	7.80	47.7	ug/kg	10/20/25 19:50	PB170163
SURROGATES									
2051-24-3	Decachlorobiphenyl	10.5			20 - 144	52%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	15.8			19 - 148	79%	SPK: 20		

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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S04-000013-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	74.7
Sample Wt/Vol:	30.05 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	2.30	U	1	0.17	2.30	ug/kg	10/20/25 20:04	PB170163
319-85-7	beta-BHC	2.30	U	1	0.24	2.30	ug/kg	10/20/25 20:04	PB170163
319-86-8	delta-BHC	2.30	U	1	0.52	2.30	ug/kg	10/20/25 20:04	PB170163
58-89-9	gamma-BHC (Lindane)	2.30	U	1	0.19	2.30	ug/kg	10/20/25 20:04	PB170163
76-44-8	Heptachlor	2.30	U	1	0.16	2.30	ug/kg	10/20/25 20:04	PB170163
309-00-2	Aldrin	2.30	U	1	0.16	2.30	ug/kg	10/20/25 20:04	PB170163
1024-57-3	Heptachlor epoxide	2.30	U	1	0.25	2.30	ug/kg	10/20/25 20:04	PB170163
959-98-8	Endosulfan I	2.30	U	1	0.19	2.30	ug/kg	10/20/25 20:04	PB170163
60-57-1	Dieldrin	2.30	U	1	0.19	2.30	ug/kg	10/20/25 20:04	PB170163
72-55-9	4,4-DDE	2.30	U	1	0.19	2.30	ug/kg	10/20/25 20:04	PB170163
72-20-8	Endrin	2.30	U	1	0.19	2.30	ug/kg	10/20/25 20:04	PB170163
33213-65-9	Endosulfan II	2.30	U	1	0.39	2.30	ug/kg	10/20/25 20:04	PB170163
72-54-8	4,4-DDD	2.30	U	1	0.20	2.30	ug/kg	10/20/25 20:04	PB170163
1031-07-8	Endosulfan Sulfate	2.30	U	1	0.17	2.30	ug/kg	10/20/25 20:04	PB170163
50-29-3	4,4-DDT	2.30	U	1	0.19	2.30	ug/kg	10/20/25 20:04	PB170163
72-43-5	Methoxychlor	2.30	U	1	0.49	2.30	ug/kg	10/20/25 20:04	PB170163
53494-70-5	Endrin ketone	2.30	U	1	0.25	2.30	ug/kg	10/20/25 20:04	PB170163
7421-93-4	Endrin aldehyde	2.30	U	1	0.49	2.30	ug/kg	10/20/25 20:04	PB170163
5103-71-9	alpha-Chlordane	2.30	U	1	0.16	2.30	ug/kg	10/20/25 20:04	PB170163
5103-74-2	gamma-Chlordane	2.30	U	1	0.20	2.30	ug/kg	10/20/25 20:04	PB170163
8001-35-2	Toxaphene	44.1	U	1	7.20	44.1	ug/kg	10/20/25 20:04	PB170163
SURROGATES									
2051-24-3	Decachlorobiphenyl	10.9			20 - 144	55%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.4			19 - 148	87%	SPK: 20		

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-000057-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	66.7
Sample Wt/Vol:	30.08 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	2.50	U	1	0.19	2.50	ug/kg	10/20/25 20:17	PB170163
319-85-7	beta-BHC	2.50	U	1	0.27	2.50	ug/kg	10/20/25 20:17	PB170163
319-86-8	delta-BHC	2.50	U	1	0.58	2.50	ug/kg	10/20/25 20:17	PB170163
58-89-9	gamma-BHC (Lindane)	2.50	U	1	0.21	2.50	ug/kg	10/20/25 20:17	PB170163
76-44-8	Heptachlor	2.50	U	1	0.18	2.50	ug/kg	10/20/25 20:17	PB170163
309-00-2	Aldrin	2.50	U	1	0.18	2.50	ug/kg	10/20/25 20:17	PB170163
1024-57-3	Heptachlor epoxide	2.50	U	1	0.28	2.50	ug/kg	10/20/25 20:17	PB170163
959-98-8	Endosulfan I	2.50	U	1	0.21	2.50	ug/kg	10/20/25 20:17	PB170163
60-57-1	Dieldrin	0.77	JP	1	0.21	2.50	ug/kg	10/20/25 20:17	PB170163
72-55-9	4,4-DDE	1.60	J	1	0.21	2.50	ug/kg	10/20/25 20:17	PB170163
72-20-8	Endrin	2.50	U	1	0.21	2.50	ug/kg	10/20/25 20:17	PB170163
33213-65-9	Endosulfan II	2.50	U	1	0.43	2.50	ug/kg	10/20/25 20:17	PB170163
72-54-8	4,4-DDD	0.88	J	1	0.22	2.50	ug/kg	10/20/25 20:17	PB170163
1031-07-8	Endosulfan Sulfate	2.50	U	1	0.19	2.50	ug/kg	10/20/25 20:17	PB170163
50-29-3	4,4-DDT	2.50	U	1	0.21	2.50	ug/kg	10/20/25 20:17	PB170163
72-43-5	Methoxychlor	2.50	U	1	0.55	2.50	ug/kg	10/20/25 20:17	PB170163
53494-70-5	Endrin ketone	2.50	U	1	0.28	2.50	ug/kg	10/20/25 20:17	PB170163
7421-93-4	Endrin aldehyde	2.50	U	1	0.55	2.50	ug/kg	10/20/25 20:17	PB170163
5103-71-9	alpha-Chlordane	0.30	J	1	0.18	2.50	ug/kg	10/20/25 20:17	PB170163
5103-74-2	gamma-Chlordane	0.37	J	1	0.22	2.50	ug/kg	10/20/25 20:17	PB170163
8001-35-2	Toxaphene	49.3	U	1	8.10	49.3	ug/kg	10/20/25 20:17	PB170163
SURROGATES									
2051-24-3	Decachlorobiphenyl	11.7			20 - 144	59%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	14.2			19 - 148	71%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
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LOD = Limit of Detection
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* = 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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-010074-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	55.3
Sample Wt/Vol:	30.04 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.10	U	1	0.23	3.10	ug/kg	10/20/25 20:31	PB170163
319-85-7	beta-BHC	3.10	U	1	0.33	3.10	ug/kg	10/20/25 20:31	PB170163
319-86-8	delta-BHC	3.10	U	1	0.70	3.10	ug/kg	10/20/25 20:31	PB170163
58-89-9	gamma-BHC (Lindane)	3.10	U	1	0.25	3.10	ug/kg	10/20/25 20:31	PB170163
76-44-8	Heptachlor	3.10	U	1	0.22	3.10	ug/kg	10/20/25 20:31	PB170163
309-00-2	Aldrin	3.10	U	1	0.22	3.10	ug/kg	10/20/25 20:31	PB170163
1024-57-3	Heptachlor epoxide	3.10	U	1	0.34	3.10	ug/kg	10/20/25 20:31	PB170163
959-98-8	Endosulfan I	3.10	U	1	0.25	3.10	ug/kg	10/20/25 20:31	PB170163
60-57-1	Dieldrin	3.10	U	1	0.25	3.10	ug/kg	10/20/25 20:31	PB170163
72-55-9	4,4-DDE	3.10	U	1	0.25	3.10	ug/kg	10/20/25 20:31	PB170163
72-20-8	Endrin	3.10	U	1	0.25	3.10	ug/kg	10/20/25 20:31	PB170163
33213-65-9	Endosulfan II	3.10	U	1	0.52	3.10	ug/kg	10/20/25 20:31	PB170163
72-54-8	4,4-DDD	3.10	U	1	0.27	3.10	ug/kg	10/20/25 20:31	PB170163
1031-07-8	Endosulfan Sulfate	3.10	U	1	0.23	3.10	ug/kg	10/20/25 20:31	PB170163
50-29-3	4,4-DDT	3.10	U	1	0.25	3.10	ug/kg	10/20/25 20:31	PB170163
72-43-5	Methoxychlor	3.10	U	1	0.67	3.10	ug/kg	10/20/25 20:31	PB170163
53494-70-5	Endrin ketone	3.10	U	1	0.34	3.10	ug/kg	10/20/25 20:31	PB170163
7421-93-4	Endrin aldehyde	3.10	U	1	0.67	3.10	ug/kg	10/20/25 20:31	PB170163
5103-71-9	alpha-Chlordane	3.10	U	1	0.22	3.10	ug/kg	10/20/25 20:31	PB170163
5103-74-2	gamma-Chlordane	3.10	U	1	0.27	3.10	ug/kg	10/20/25 20:31	PB170163
8001-35-2	Toxaphene	59.6	U	1	9.80	59.6	ug/kg	10/20/25 20:31	PB170163
SURROGATES									
2051-24-3	Decachlorobiphenyl	13.0			20 - 144	65%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	16.1			19 - 148	80%	SPK: 20		

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP02-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	66.7
Sample Wt/Vol:	30.07 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	2.50	U	1	0.19	2.50	ug/kg	10/20/25 20:44	PB170163
319-85-7	beta-BHC	2.50	U	1	0.27	2.50	ug/kg	10/20/25 20:44	PB170163
319-86-8	delta-BHC	2.50	U	1	0.58	2.50	ug/kg	10/20/25 20:44	PB170163
58-89-9	gamma-BHC (Lindane)	2.50	U	1	0.21	2.50	ug/kg	10/20/25 20:44	PB170163
76-44-8	Heptachlor	2.50	U	1	0.18	2.50	ug/kg	10/20/25 20:44	PB170163
309-00-2	Aldrin	2.50	U	1	0.18	2.50	ug/kg	10/20/25 20:44	PB170163
1024-57-3	Heptachlor epoxide	2.50	U	1	0.28	2.50	ug/kg	10/20/25 20:44	PB170163
959-98-8	Endosulfan I	2.50	U	1	0.21	2.50	ug/kg	10/20/25 20:44	PB170163
60-57-1	Dieldrin	1.10	JP	1	0.21	2.50	ug/kg	10/20/25 20:44	PB170163
72-55-9	4,4-DDE	2.70	P	1	0.21	2.50	ug/kg	10/20/25 20:44	PB170163
72-20-8	Endrin	2.50	U	1	0.21	2.50	ug/kg	10/20/25 20:44	PB170163
33213-65-9	Endosulfan II	2.50	U	1	0.43	2.50	ug/kg	10/20/25 20:44	PB170163
72-54-8	4,4-DDD	3.50		1	0.22	2.50	ug/kg	10/20/25 20:44	PB170163
1031-07-8	Endosulfan Sulfate	2.50	U	1	0.19	2.50	ug/kg	10/20/25 20:44	PB170163
50-29-3	4,4-DDT	2.50	U	1	0.21	2.50	ug/kg	10/20/25 20:44	PB170163
72-43-5	Methoxychlor	2.50	U	1	0.55	2.50	ug/kg	10/20/25 20:44	PB170163
53494-70-5	Endrin ketone	2.50	U	1	0.28	2.50	ug/kg	10/20/25 20:44	PB170163
7421-93-4	Endrin aldehyde	2.50	U	1	0.55	2.50	ug/kg	10/20/25 20:44	PB170163
5103-71-9	alpha-Chlordane	0.57	JP	1	0.18	2.50	ug/kg	10/20/25 20:44	PB170163
5103-74-2	gamma-Chlordane	0.77	J	1	0.22	2.50	ug/kg	10/20/25 20:44	PB170163
8001-35-2	Toxaphene	49.4	U	1	8.10	49.4	ug/kg	10/20/25 20:44	PB170163
SURROGATES									
2051-24-3	Decachlorobiphenyl	13.1			20 - 144	65%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	15.3			19 - 148	76%	SPK: 20		

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QC SUMMARY

Alliance TECHNICAL GROUP
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Surrogate Summary

SDG No.: Q3375

Client: AECOM

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD090647.D	PIBLK-PD090647.D	Decachlorobiphen	1	20	21.3	106		57	171
		Tetrachloro-m-xyl	1	20	19.4	97		61	148
		Decachlorobiphen	2	20	20.3	102		57	171
		Tetrachloro-m-xyl	2	20	20.0	100		61	148
I.BLK-PD090690.D	PIBLK-PD090690.D	Decachlorobiphen	1	20	22.4	112		57	171
		Tetrachloro-m-xyl	1	20	23.4	117		61	148
		Decachlorobiphen	2	20	21.9	109		57	171
		Tetrachloro-m-xyl	2	20	23.5	118		61	148
PB170163BL	PB170163BL	Decachlorobiphen	1	20	20.8	104		20	144
		Tetrachloro-m-xyl	1	20	20.0	100		19	148
		Decachlorobiphen	2	20	19.9	100		20	144
		Tetrachloro-m-xyl	2	20	20.6	103		19	148
PB170163BS	PB170163BS	Decachlorobiphen	1	20	20.7	103		20	144
		Tetrachloro-m-xyl	1	20	16.5	83		19	148
		Decachlorobiphen	2	20	20.1	101		20	144
		Tetrachloro-m-xyl	2	20	16.8	84		19	148
I.BLK-PD090703.D	PIBLK-PD090703.D	Decachlorobiphen	1	20	21.8	109		57	171
		Tetrachloro-m-xyl	1	20	22.8	114		61	148
		Decachlorobiphen	2	20	18.8	94		57	171
		Tetrachloro-m-xyl	2	20	22.7	113		61	148
Q3374-05MS	TP-5-WCMS	Decachlorobiphen	1	20	17.0	85		20	144
		Tetrachloro-m-xyl	1	20	18.7	94		19	148
		Decachlorobiphen	2	20	16.4	82		20	144
		Tetrachloro-m-xyl	2	20	19.4	97		19	148
Q3374-05MSD	TP-5-WCMSD	Decachlorobiphen	1	20	18.6	93		20	144
		Tetrachloro-m-xyl	1	20	18.9	95		19	148
		Decachlorobiphen	2	20	17.0	85		20	144
		Tetrachloro-m-xyl	2	20	19.7	99		19	148
I.BLK-PD090711.D	PIBLK-PD090711.D	Decachlorobiphen	1	20	20.1	100		57	171
		Tetrachloro-m-xyl	1	20	20.5	102		61	148
		Decachlorobiphen	2	20	18.9	94		57	171
		Tetrachloro-m-xyl	2	20	20.4	102		61	148
Q3375-01	PR132-S02-074099-20251016	Decachlorobiphen	1	20	10.5	52		20	144
		Tetrachloro-m-xyl	1	20	15.6	78		19	148
		Decachlorobiphen	2	20	9.23	46		20	144
		Tetrachloro-m-xyl	2	20	15.8	79		19	148
Q3375-02	PR132-S04-000013-20251016	Decachlorobiphen	1	20	10.9	55		20	144
		Tetrachloro-m-xyl	1	20	17.4	87		19	148
		Decachlorobiphen	2	20	10.3	52		20	144
		Tetrachloro-m-xyl	2	20	17.4	87		19	148
Q3375-03	PR132-S05-000057-20251016	Decachlorobiphen	1	20	11.7	59		20	144

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Surrogate Summary

SDG No.: Q3375

Client: AECOM

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
Q3375-03	PR132-S05-000057-20251016	Tetrachloro-m-xyl	1	20	14.2	71		19	148
		Decachlorobiphen	2	20	10.4	52		20	144
		Tetrachloro-m-xyl	2	20	13.6	68		19	148
Q3375-04	PR132-S02-010074-20251016	Decachlorobiphen	1	20	13.0	65		20	144
		Tetrachloro-m-xyl	1	20	16.1	80		19	148
		Decachlorobiphen	2	20	11.6	58		20	144
		Tetrachloro-m-xyl	2	20	16.0	80		19	148
Q3375-05	PR132-DP02-20251016	Decachlorobiphen	1	20	13.1	65		20	144
		Tetrachloro-m-xyl	1	20	15.3	76		19	148
		Decachlorobiphen	2	20	11.3	57		20	144
		Tetrachloro-m-xyl	2	20	15.0	75		19	148
I.BLK-PD090719.D	PIBLK-PD090719.D	Decachlorobiphen	1	20	20.3	102		57	171
		Tetrachloro-m-xyl	1	20	21.1	105		61	148
		Decachlorobiphen	2	20	19.5	97		57	171
		Tetrachloro-m-xyl	2	20	20.6	103		61	148

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** 8081B

Client: AECOM **DataFile :** PD090707.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q3374-05MS (Column 1)**	**Client Sample ID:**		**TP-5-WCMS**								
	alpha-BHC	17.88	0	17.7	ug/kg	99				60	144	
	beta-BHC	17.88	0	17.3	ug/kg	97				54	143	
	delta-BHC	17.88	0	17.6	ug/kg	98				29	151	
	gamma-BHC (Lindane)	17.88	0	17.5	ug/kg	98				61	140	
	Heptachlor	17.88	0	17.8	ug/kg	100				63	135	
	Aldrin	17.88	0	17.4	ug/kg	97				49	139	
	Heptachlor epoxide	17.88	0	17.3	ug/kg	97				41	156	
	Endosulfan I	17.88	0	17.1	ug/kg	96				56	142	
	Dieldrin	17.88	0	17.2	ug/kg	96				47	161	
	4,4'-DDE	17.88	0	17.2	ug/kg	96				55	136	
	Endrin	17.88	0	17.3	ug/kg	97				57	139	
	Endosulfan II	17.88	0	13.4	ug/kg	75				40	163	
	4,4'-DDD	17.88	0	17.9	ug/kg	100				47	163	
	Endosulfan sulfate	17.88	0	16.4	ug/kg	92				62	139	
	4,4'-DDT	17.88	0	17.8	ug/kg	100				51	146	
	Methoxychlor	17.88	0	16.9	ug/kg	95				54	136	
	Endrin ketone	17.88	0	16.7	ug/kg	93				60	129	
	Endrin aldehyde	17.88	0	16.5	ug/kg	92				59	132	
	alpha-Chlordane	17.88	0	16.5	ug/kg	92				39	166	
	gamma-Chlordane	17.88	0	16.7	ug/kg	93				44	175	
Lab Sample ID:	**Q3374-05MS (Column 2)**	**Client Sample ID:**		**TP-5-WCMS**								
	alpha-BHC	17.88	0	16.7	ug/kg	93				60	144	
	beta-BHC	17.88	0	16.8	ug/kg	94				54	143	
	delta-BHC	17.88	0	16.6	ug/kg	93				29	151	
	gamma-BHC (Lindane)	17.88	0	16.6	ug/kg	93				61	140	
	Heptachlor	17.88	0	16.6	ug/kg	93				63	135	
	Aldrin	17.88	0	16.8	ug/kg	94				49	139	
	Heptachlor epoxide	17.88	0	16.3	ug/kg	91				41	156	
	Endosulfan I	17.88	0	16.7	ug/kg	93				56	142	
	Dieldrin	17.88	0	16.7	ug/kg	93				47	161	
	4,4'-DDE	17.88	0	16.7	ug/kg	93				55	136	
	Endrin	17.88	0	17.1	ug/kg	96				57	139	
	Endosulfan II	17.88	0	16.5	ug/kg	92				40	163	
	4,4'-DDD	17.88	0	15.5	ug/kg	87				47	163	
	Endosulfan sulfate	17.88	0	16.1	ug/kg	90				62	139	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** 8081B

Client: AECOM **DataFile :** PD090707.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	17.88	0	16.9	ug/kg	95				51	146	
Methoxychlor	17.88	0	16.4	ug/kg	92				54	136	
Endrin ketone	17.88	0	16.2	ug/kg	91				60	129	
Endrin aldehyde	17.88	0	16.2	ug/kg	91				59	132	
alpha-Chlordane	17.88	0	16.8	ug/kg	94				39	166	
gamma-Chlordane	17.88	0	16.7	ug/kg	93				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** 8081B

Client: AECOM **DataFile :** PD090708.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q3374-05MSD (Column 1)**	**Client Sample ID:**		**TP-5-WCMSD**								
	alpha-BHC	17.86	0	18.1	ug/kg	101		2		60	144	20
	beta-BHC	17.86	0	17.5	ug/kg	98		1		54	143	20
	delta-BHC	17.86	0	17.9	ug/kg	100		2		29	151	20
	gamma-BHC (Lindane)	17.86	0	17.8	ug/kg	100		2		61	140	20
	Heptachlor	17.86	0	18.0	ug/kg	101		1		63	135	20
	Aldrin	17.86	0	17.7	ug/kg	99		2		49	139	20
	Heptachlor epoxide	17.86	0	17.5	ug/kg	98		1		41	156	20
	Endosulfan I	17.86	0	17.4	ug/kg	97		1		56	142	20
	Dieldrin	17.86	0	17.5	ug/kg	98		2		47	161	20
	4,4'-DDE	17.86	0	17.5	ug/kg	98		2		55	136	20
	Endrin	17.86	0	17.6	ug/kg	99		2		57	139	20
	Endosulfan II	17.86	0	13.7	ug/kg	77		3		40	163	20
	4,4'-DDD	17.86	0	18.3	ug/kg	102		2		47	163	20
	Endosulfan sulfate	17.86	0	16.6	ug/kg	93		1		62	139	20
	4,4'-DDT	17.86	0	17.9	ug/kg	100		0		51	146	20
	Methoxychlor	17.86	0	17.2	ug/kg	96		1		54	136	20
	Endrin ketone	17.86	0	17.0	ug/kg	95		2		60	129	20
	Endrin aldehyde	17.86	0	17.0	ug/kg	95		3		59	132	20
	alpha-Chlordane	17.86	0	16.7	ug/kg	94		2		39	166	20
	gamma-Chlordane	17.86	0	16.9	ug/kg	95		2		44	175	20
Lab Sample ID:	**Q3374-05MSD (Column 2)**	**Client Sample ID:**		**TP-5-WCMSD**								
	alpha-BHC	17.86	0	16.9	ug/kg	95		2		60	144	20
	beta-BHC	17.86	0	17.1	ug/kg	96		2		54	143	20
	delta-BHC	17.86	0	16.9	ug/kg	95		2		29	151	20
	gamma-BHC (Lindane)	17.86	0	16.9	ug/kg	95		2		61	140	20
	Heptachlor	17.86	0	16.8	ug/kg	94		1		63	135	20
	Aldrin	17.86	0	17.0	ug/kg	95		1		49	139	20
	Heptachlor epoxide	17.86	0	16.6	ug/kg	93		2		41	156	20
	Endosulfan I	17.86	0	16.9	ug/kg	95		2		56	142	20
	Dieldrin	17.86	0	16.9	ug/kg	95		2		47	161	20
	4,4'-DDE	17.86	0	16.8	ug/kg	94		1		55	136	20
	Endrin	17.86	0	17.0	ug/kg	95		1		57	139	20
	Endosulfan II	17.86	0	16.7	ug/kg	94		2		40	163	20
	4,4'-DDD	17.86	0	15.6	ug/kg	87		0		47	163	20
	Endosulfan sulfate	17.86	0	16.4	ug/kg	92		2		62	139	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** 8081B

Client: AECOM **DataFile :** PD090708.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
4,4'-DDT	17.86	0	17.3	ug/kg	97		2		51	146	20
Methoxychlor	17.86	0	16.7	ug/kg	94		2		54	136	20
Endrin ketone	17.86	0	16.5	ug/kg	92		1		60	129	20
Endrin aldehyde	17.86	0	16.7	ug/kg	94		3		59	132	20
alpha-Chlordane	17.86	0	17.0	ug/kg	95		1		39	166	20
gamma-Chlordane	17.86	0	16.9	ug/kg	95		2		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** 8081B

Client: AECOM **Datafile :** PD090694.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170163BS (Column 1)	alpha-BHC	16.66	17.6	ug/kg	106				84	123	
	beta-BHC	16.66	16.9	ug/kg	101				82	123	
	delta-BHC	16.66	17.4	ug/kg	104				83	126	
	gamma-BHC (Lindane)	16.66	17.4	ug/kg	104				83	125	
	Heptachlor	16.66	20.3	ug/kg	122				83	122	
	Aldrin	16.66	17.4	ug/kg	104				82	124	
	Heptachlor epoxide	16.66	17.6	ug/kg	106				83	120	
	Endosulfan I	16.66	17.4	ug/kg	104				81	124	
	Dieldrin	16.66	17.6	ug/kg	106				85	121	
	4,4'-DDE	16.66	18.1	ug/kg	109				81	123	
	Endrin	16.66	17.9	ug/kg	107				76	130	
	Endosulfan II	16.66	17.5	ug/kg	105				80	125	
	4,4'-DDD	16.66	18.0	ug/kg	108				80	131	
	Endosulfan sulfate	16.66	17.2	ug/kg	103				81	122	
	4,4'-DDT	16.66	19.1	ug/kg	115				70	129	
	Methoxychlor	16.66	18.0	ug/kg	108				60	119	
	Endrin ketone	16.66	17.3	ug/kg	104				77	132	
	Endrin aldehyde	16.66	17.9	ug/kg	107				79	124	
	alpha-Chlordane	16.66	16.8	ug/kg	101				84	120	
	gamma-Chlordane	16.66	17.5	ug/kg	105				83	122	
PB170163BS (Column 2)	alpha-BHC	16.66	16.5	ug/kg	99				84	123	
	beta-BHC	16.66	16.5	ug/kg	99				82	123	
	delta-BHC	16.66	16.7	ug/kg	100				83	126	
	gamma-BHC (Lindane)	16.66	16.7	ug/kg	100				83	125	
	Heptachlor	16.66	16.9	ug/kg	101				83	122	
	Aldrin	16.66	16.7	ug/kg	100				82	124	
	Heptachlor epoxide	16.66	16.6	ug/kg	100				83	120	
	Endosulfan I	16.66	16.5	ug/kg	99				81	124	
	Dieldrin	16.66	17.1	ug/kg	103				85	121	
	4,4'-DDE	16.66	16.9	ug/kg	101				81	123	
	Endrin	16.66	16.9	ug/kg	101				76	130	
	Endosulfan II	16.66	17.1	ug/kg	103				80	125	
	4,4'-DDD	16.66	16.9	ug/kg	101				80	131	
	Endosulfan sulfate	16.66	17.2	ug/kg	103				81	122	
	4,4'-DDT	16.66	18.7	ug/kg	112				70	129	
	Methoxychlor	16.66	18.0	ug/kg	108				60	119	
	Endrin ketone	16.66	17.0	ug/kg	102				77	132	
	Endrin aldehyde	16.66	17.5	ug/kg	105				79	124	
	alpha-Chlordane	16.66	16.9	ug/kg	101				84	120	
	gamma-Chlordane	16.66	16.9	ug/kg	101				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB170163BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3375

Lab Sample ID: PB170163BL | Lab File ID: PD090693.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 10/20/2025

Date Analyzed (1): 10/20/2025 | Date Analyzed (2): 10/20/2025

Time Analyzed (1): 13:25 | Time Analyzed (2): 13:25

Instrument ID (1): ECD_D | Instrument ID (2): ECD_D

GC Column (1): ZB-MR1 ID: 0.32 (mm) | GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB170163BS	PB170163BS	PD090694.D	10/20/2025	10/20/2025
TP-5-WCMS	Q3374-05MS	PD090707.D	10/20/2025	10/20/2025
TP-5-WCMSD	Q3374-05MSD	PD090708.D	10/20/2025	10/20/2025
PR132-S02-074099-20251016	Q3375-01	PD090714.D	10/20/2025	10/20/2025
PR132-S04-000013-20251016	Q3375-02	PD090715.D	10/20/2025	10/20/2025
PR132-S05-000057-20251016	Q3375-03	PD090716.D	10/20/2025	10/20/2025
PR132-S02-010074-20251016	Q3375-04	PD090717.D	10/20/2025	10/20/2025
PR132-DP02-20251016	Q3375-05	PD090718.D	10/20/2025	10/20/2025

COMMENTS:

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170163BL	SDG No.:	Q3375
Lab Sample ID:	PB170163BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.02 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	1.70	U	1	0.13	1.70	ug/kg	10/20/25 13:25	PB170163
319-85-7	beta-BHC	1.70	U	1	0.18	1.70	ug/kg	10/20/25 13:25	PB170163
319-86-8	delta-BHC	1.70	U	1	0.39	1.70	ug/kg	10/20/25 13:25	PB170163
58-89-9	gamma-BHC (Lindane)	1.70	U	1	0.14	1.70	ug/kg	10/20/25 13:25	PB170163
76-44-8	Heptachlor	1.70	U	1	0.12	1.70	ug/kg	10/20/25 13:25	PB170163
309-00-2	Aldrin	1.70	U	1	0.12	1.70	ug/kg	10/20/25 13:25	PB170163
1024-57-3	Heptachlor epoxide	1.70	U	1	0.19	1.70	ug/kg	10/20/25 13:25	PB170163
959-98-8	Endosulfan I	1.70	U	1	0.14	1.70	ug/kg	10/20/25 13:25	PB170163
60-57-1	Dieldrin	1.70	U	1	0.14	1.70	ug/kg	10/20/25 13:25	PB170163
72-55-9	4,4-DDE	1.70	U	1	0.14	1.70	ug/kg	10/20/25 13:25	PB170163
72-20-8	Endrin	1.70	U	1	0.14	1.70	ug/kg	10/20/25 13:25	PB170163
33213-65-9	Endosulfan II	1.70	U	1	0.29	1.70	ug/kg	10/20/25 13:25	PB170163
72-54-8	4,4-DDD	1.70	U	1	0.15	1.70	ug/kg	10/20/25 13:25	PB170163
1031-07-8	Endosulfan Sulfate	1.70	U	1	0.13	1.70	ug/kg	10/20/25 13:25	PB170163
50-29-3	4,4-DDT	1.70	U	1	0.14	1.70	ug/kg	10/20/25 13:25	PB170163
72-43-5	Methoxychlor	1.70	U	1	0.37	1.70	ug/kg	10/20/25 13:25	PB170163
53494-70-5	Endrin ketone	1.70	U	1	0.19	1.70	ug/kg	10/20/25 13:25	PB170163
7421-93-4	Endrin aldehyde	1.70	U	1	0.37	1.70	ug/kg	10/20/25 13:25	PB170163
5103-71-9	alpha-Chlordane	1.70	U	1	0.12	1.70	ug/kg	10/20/25 13:25	PB170163
5103-74-2	gamma-Chlordane	1.70	U	1	0.15	1.70	ug/kg	10/20/25 13:25	PB170163
8001-35-2	Toxaphene	33.0	U	1	5.40	33.0	ug/kg	10/20/25 13:25	PB170163
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.8			20 - 144	104%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.6			19 - 148	103%	SPK: 20		

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PIBLK-PD090647.D	SDG No.:	Q3375
Lab Sample ID:	I.BLK-PD090647.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/17/25	pd101725
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/17/25	pd101725
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/17/25	pd101725
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/17/25	pd101725
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/17/25	pd101725
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/17/25	pd101725
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/17/25	pd101725
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/17/25	pd101725
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/17/25	pd101725
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/17/25	pd101725
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/17/25	pd101725
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/17/25	pd101725
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/17/25	pd101725
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/17/25	pd101725
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/17/25	pd101725
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/17/25	pd101725
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/17/25	pd101725
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/17/25	pd101725
SURROGATES									
2051-24-3	Decachlorobiphenyl	21.3			57 - 171	106%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.0			61 - 148	100%	SPK: 20		

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	PIBLK-PD090690.D	SDG No.:	Q3375
Lab Sample ID:	I.BLK-PD090690.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/20/25	pd102025
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/20/25	pd102025
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/20/25	pd102025
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/20/25	pd102025
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/20/25	pd102025
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/20/25	pd102025
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/20/25	pd102025
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/20/25	pd102025
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/20/25	pd102025
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/20/25	pd102025
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/20/25	pd102025
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/20/25	pd102025
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/20/25	pd102025
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/20/25	pd102025
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/20/25	pd102025
SURROGATES									
2051-24-3	Decachlorobiphenyl	22.4			57 - 171	112%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	23.5			61 - 148	118%	SPK: 20		

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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	PIBLK-PD090703.D	SDG No.:	Q3375
Lab Sample ID:	I.BLK-PD090703.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/20/25	pd102025
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/20/25	pd102025
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/20/25	pd102025
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/20/25	pd102025
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/20/25	pd102025
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/20/25	pd102025
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/20/25	pd102025
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/20/25	pd102025
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/20/25	pd102025
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/20/25	pd102025
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/20/25	pd102025
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/20/25	pd102025
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/20/25	pd102025
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/20/25	pd102025
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/20/25	pd102025
SURROGATES									
2051-24-3	Decachlorobiphenyl	21.8			57 - 171	109%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	22.8			61 - 148	114%	SPK: 20		

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
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J = Estimated Value
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	PIBLK-PD090711.D	SDG No.:	Q3375
Lab Sample ID:	I.BLK-PD090711.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/20/25	pd102025
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/20/25	pd102025
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/20/25	pd102025
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/20/25	pd102025
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/20/25	pd102025
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/20/25	pd102025
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/20/25	pd102025
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/20/25	pd102025
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/20/25	pd102025
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/20/25	pd102025
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/20/25	pd102025
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/20/25	pd102025
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/20/25	pd102025
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/20/25	pd102025
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/20/25	pd102025
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.1			57 - 171	100%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.5			61 - 148	102%	SPK: 20		

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
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J = Estimated Value
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() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	PIBLK-PD090719.D	SDG No.:	Q3375
Lab Sample ID:	I.BLK-PD090719.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/20/25	pd102025
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/20/25	pd102025
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/20/25	pd102025
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/20/25	pd102025
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/20/25	pd102025
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/20/25	pd102025
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/20/25	pd102025
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/20/25	pd102025
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/20/25	pd102025
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/20/25	pd102025
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/20/25	pd102025
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/20/25	pd102025
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/20/25	pd102025
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/20/25	pd102025
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/20/25	pd102025
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/20/25	pd102025
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/20/25	pd102025
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.3			57 - 171	102%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.1			61 - 148	105%	SPK: 20		

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
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
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Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170163BS	SDG No.:	Q3375
Lab Sample ID:	PB170163BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	17.6		1	0.13	1.70	ug/kg	10/20/25 14:12	PB170163
319-85-7	beta-BHC	16.9		1	0.18	1.70	ug/kg	10/20/25 14:12	PB170163
319-86-8	delta-BHC	17.4		1	0.39	1.70	ug/kg	10/20/25 14:12	PB170163
58-89-9	gamma-BHC (Lindane)	17.4		1	0.14	1.70	ug/kg	10/20/25 14:12	PB170163
76-44-8	Heptachlor	20.3		1	0.12	1.70	ug/kg	10/20/25 14:12	PB170163
309-00-2	Aldrin	17.4		1	0.12	1.70	ug/kg	10/20/25 14:12	PB170163
1024-57-3	Heptachlor epoxide	17.6		1	0.19	1.70	ug/kg	10/20/25 14:12	PB170163
959-98-8	Endosulfan I	17.4		1	0.14	1.70	ug/kg	10/20/25 14:12	PB170163
60-57-1	Dieldrin	17.6		1	0.14	1.70	ug/kg	10/20/25 14:12	PB170163
72-55-9	4,4-DDE	18.1		1	0.14	1.70	ug/kg	10/20/25 14:12	PB170163
72-20-8	Endrin	17.9		1	0.14	1.70	ug/kg	10/20/25 14:12	PB170163
33213-65-9	Endosulfan II	17.5		1	0.29	1.70	ug/kg	10/20/25 14:12	PB170163
72-54-8	4,4-DDD	18.0		1	0.15	1.70	ug/kg	10/20/25 14:12	PB170163
1031-07-8	Endosulfan Sulfate	17.2		1	0.13	1.70	ug/kg	10/20/25 14:12	PB170163
50-29-3	4,4-DDT	19.1		1	0.14	1.70	ug/kg	10/20/25 14:12	PB170163
72-43-5	Methoxychlor	18.0		1	0.37	1.70	ug/kg	10/20/25 14:12	PB170163
53494-70-5	Endrin ketone	17.3		1	0.19	1.70	ug/kg	10/20/25 14:12	PB170163
7421-93-4	Endrin aldehyde	17.9		1	0.37	1.70	ug/kg	10/20/25 14:12	PB170163
5103-71-9	alpha-Chlordane	16.9		1	0.12	1.70	ug/kg	10/20/25 14:12	PB170163
5103-74-2	gamma-Chlordane	17.5		1	0.15	1.70	ug/kg	10/20/25 14:12	PB170163
8001-35-2	Toxaphene	33.0	U	1	5.40	33.0	ug/kg	10/20/25 14:12	PB170163
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.7			20 - 144	103%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	16.8			19 - 148	84%	SPK: 20		

U = Not Detected
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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	TP-5-WCMS	SDG No.:	Q3375
Lab Sample ID:	Q3374-05MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	93.1
Sample Wt/Vol:	30.04 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	17.7		1	0.14	1.80	ug/kg	10/20/25 17:47	PB170163
319-85-7	beta-BHC	17.3		1	0.19	1.80	ug/kg	10/20/25 17:47	PB170163
319-86-8	delta-BHC	17.6		1	0.42	1.80	ug/kg	10/20/25 17:47	PB170163
58-89-9	gamma-BHC (Lindane)	17.5		1	0.15	1.80	ug/kg	10/20/25 17:47	PB170163
76-44-8	Heptachlor	17.8		1	0.13	1.80	ug/kg	10/20/25 17:47	PB170163
309-00-2	Aldrin	17.4		1	0.13	1.80	ug/kg	10/20/25 17:47	PB170163
1024-57-3	Heptachlor epoxide	17.3		1	0.20	1.80	ug/kg	10/20/25 17:47	PB170163
959-98-8	Endosulfan I	17.1		1	0.15	1.80	ug/kg	10/20/25 17:47	PB170163
60-57-1	Dieldrin	17.2		1	0.15	1.80	ug/kg	10/20/25 17:47	PB170163
72-55-9	4,4-DDE	17.2		1	0.15	1.80	ug/kg	10/20/25 17:47	PB170163
72-20-8	Endrin	17.3		1	0.15	1.80	ug/kg	10/20/25 17:47	PB170163
33213-65-9	Endosulfan II	16.5		1	0.31	1.80	ug/kg	10/20/25 17:47	PB170163
72-54-8	4,4-DDD	17.9		1	0.16	1.80	ug/kg	10/20/25 17:47	PB170163
1031-07-8	Endosulfan Sulfate	16.4		1	0.14	1.80	ug/kg	10/20/25 17:47	PB170163
50-29-3	4,4-DDT	17.8		1	0.15	1.80	ug/kg	10/20/25 17:47	PB170163
72-43-5	Methoxychlor	16.9		1	0.40	1.80	ug/kg	10/20/25 17:47	PB170163
53494-70-5	Endrin ketone	16.7		1	0.20	1.80	ug/kg	10/20/25 17:47	PB170163
7421-93-4	Endrin aldehyde	16.5		1	0.40	1.80	ug/kg	10/20/25 17:47	PB170163
5103-71-9	alpha-Chlordane	16.8		1	0.13	1.80	ug/kg	10/20/25 17:47	PB170163
5103-74-2	gamma-Chlordane	16.7		1	0.16	1.80	ug/kg	10/20/25 17:47	PB170163
8001-35-2	Toxaphene	35.4	U	1	5.80	35.4	ug/kg	10/20/25 17:47	PB170163
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.0			20 - 144	85%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.4			19 - 148	97%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	TP-5-WCMSD	SDG No.:	Q3375
Lab Sample ID:	Q3374-05MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	93.1
Sample Wt/Vol:	30.07 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	18.1		1	0.14	1.80	ug/kg	10/20/25 18:01	PB170163
319-85-7	beta-BHC	17.5		1	0.19	1.80	ug/kg	10/20/25 18:01	PB170163
319-86-8	delta-BHC	17.9		1	0.42	1.80	ug/kg	10/20/25 18:01	PB170163
58-89-9	gamma-BHC (Lindane)	17.8		1	0.15	1.80	ug/kg	10/20/25 18:01	PB170163
76-44-8	Heptachlor	18.0		1	0.13	1.80	ug/kg	10/20/25 18:01	PB170163
309-00-2	Aldrin	17.7		1	0.13	1.80	ug/kg	10/20/25 18:01	PB170163
1024-57-3	Heptachlor epoxide	17.5		1	0.20	1.80	ug/kg	10/20/25 18:01	PB170163
959-98-8	Endosulfan I	17.4		1	0.15	1.80	ug/kg	10/20/25 18:01	PB170163
60-57-1	Dieldrin	17.5		1	0.15	1.80	ug/kg	10/20/25 18:01	PB170163
72-55-9	4,4-DDE	17.5		1	0.15	1.80	ug/kg	10/20/25 18:01	PB170163
72-20-8	Endrin	17.6		1	0.15	1.80	ug/kg	10/20/25 18:01	PB170163
33213-65-9	Endosulfan II	16.7		1	0.31	1.80	ug/kg	10/20/25 18:01	PB170163
72-54-8	4,4-DDD	18.3		1	0.16	1.80	ug/kg	10/20/25 18:01	PB170163
1031-07-8	Endosulfan Sulfate	16.6		1	0.14	1.80	ug/kg	10/20/25 18:01	PB170163
50-29-3	4,4-DDT	17.9		1	0.15	1.80	ug/kg	10/20/25 18:01	PB170163
72-43-5	Methoxychlor	17.2		1	0.40	1.80	ug/kg	10/20/25 18:01	PB170163
53494-70-5	Endrin ketone	17.0		1	0.20	1.80	ug/kg	10/20/25 18:01	PB170163
7421-93-4	Endrin aldehyde	17.0		1	0.40	1.80	ug/kg	10/20/25 18:01	PB170163
5103-71-9	alpha-Chlordane	17.0		1	0.13	1.80	ug/kg	10/20/25 18:01	PB170163
5103-74-2	gamma-Chlordane	16.9		1	0.16	1.80	ug/kg	10/20/25 18:01	PB170163
8001-35-2	Toxaphene	35.4	U	1	5.80	35.4	ug/kg	10/20/25 18:01	PB170163
SURROGATES									
2051-24-3	Decachlorobiphenyl	18.6			20 - 144	93%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.7			19 - 148	99%	SPK: 20		

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

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Instrument ID: ECD_D **Calibration Date(s):** 10/17/2025 10/17/2025

Calibration Times: 11:34 12:28

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PD090650.D RT 075 = PD090651.D

RT 050 = PD090652.D RT 025 = PD090653.D RT 005 = PD090654.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.26	5.27	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	3.99	3.99	3.99	3.99	3.99	3.99	3.89	4.09
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.51	4.51	4.51	4.51	4.51	4.51	4.41	4.61
Decachlorobiphenyl	9.07	9.07	9.06	9.07	9.07	9.07	8.97	9.17
delta-BHC	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Dieldrin	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.78	6.78	6.78	6.78	6.78	6.78	6.68	6.88
Endosulfan sulfate	7.15	7.15	7.15	7.14	7.14	7.14	7.04	7.24
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Endrin ketone	7.63	7.63	7.63	7.63	7.62	7.62	7.52	7.72
gamma-BHC (Lindane)	4.32	4.33	4.33	4.32	4.32	4.32	4.22	4.42
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.68	5.68	5.68	5.68	5.58	5.78
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.54	3.55	3.55	3.54	3.54	3.54	3.44	3.64

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: AECO02
SDG NO.: Q3375
Calibration Date(s): 10/17/2025 10/17/2025
Calibration Times: 11:34 12:28

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PD090650.D RT 075 = PD090651.D
RT 050 = PD090652.D RT 025 = PD090653.D RT 005 = PD090654.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
4,4'-DDE	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
4,4'-DDT	6.17	6.18	6.17	6.17	6.18	6.17	6.07	6.27
Aldrin	4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
alpha-BHC	3.39	3.39	3.39	3.39	3.39	3.39	3.29	3.49
alpha-Chlordane	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
beta-BHC	4.02	4.02	4.02	4.02	4.02	4.02	3.92	4.12
Decachlorobiphenyl	8.06	8.06	8.06	8.06	8.06	8.06	7.96	8.16
delta-BHC	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
Dieldrin	5.50	5.50	5.50	5.50	5.50	5.50	5.40	5.60
Endosulfan I	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Endosulfan II	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan sulfate	6.47	6.47	6.47	6.47	6.47	6.47	6.37	6.57
Endrin	5.78	5.78	5.78	5.78	5.78	5.78	5.68	5.88
Endrin aldehyde	6.25	6.25	6.25	6.25	6.25	6.25	6.15	6.35
Endrin ketone	6.98	6.98	6.98	6.98	6.98	6.98	6.88	7.08
gamma-BHC (Lindane)	3.72	3.72	3.72	3.72	3.72	3.72	3.62	3.82
gamma-Chlordane	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Heptachlor	4.08	4.08	4.08	4.07	4.08	4.07	3.97	4.17
Heptachlor epoxide	4.86	4.87	4.86	4.86	4.86	4.86	4.76	4.96
Methoxychlor	6.75	6.75	6.75	6.74	6.75	6.74	6.64	6.84
Tetrachloro-m-xylene	2.87	2.88	2.88	2.87	2.87	2.87	2.77	2.97

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: AECO02
SDG NO.: Q3375
Calibration Date(s): 10/17/2025 10/17/2025
Calibration Times: 11:34 12:28

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PD090650.D **CF 075 =** PD090651.D
CF 050 = PD090652.D **CF 025 =** PD090653.D **CF 005 =** PD090654.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	4150980000	4075270000	4055470000	3840760000	4148570000	4054210000	3
4,4'-DDE	5435610000	5370750000	5317610000	5053060000	5456160000	5326640000	3
4,4'-DDT	4256810000	4152600000	4117930000	3927880000	4097130000	4110470000	3
Aldrin	6694230000	6562230000	6516940000	6238140000	6724820000	6547270000	3
alpha-BHC	7752530000	7402380000	7252210000	6743070000	6735520000	7177140000	6
alpha-Chlordane	5966070000	5905470000	5938650000	6170460000	6920630000	6180250000	7
beta-BHC	2515210000	2489310000	2540370000	2560620000	2992650000	2619630000	8
Decachlorobiphenyl	4361180000	4315270000	4506230000	4707060000	5500070000	4677960000	10
delta-BHC	7169260000	6905720000	6771510000	6342450000	6619680000	6761720000	5
Dieldrin	5929890000	5841940000	5818180000	5550330000	6016400000	5831350000	3
Endosulfan I	5452270000	5404490000	5449050000	5348660000	6028770000	5536650000	5
Endosulfan II	4873230000	4835950000	4885080000	4789750000	5615800000	4999960000	7
Endosulfan sulfate	4557060000	4504850000	4556170000	4479960000	5092920000	4638190000	6
Endrin	5035940000	4962910000	4938250000	4711180000	5120260000	4953710000	3
Endrin aldehyde	3505880000	3507960000	3571680000	3579710000	4148280000	3662700000	7
Endrin ketone	4819770000	4736510000	4782320000	4695250000	5260400000	4858850000	5
gamma-BHC (Lindane)	7185880000	6905860000	6799650000	6417980000	6684750000	6798820000	4
gamma-Chlordane	5972450000	5894040000	5855640000	5592670000	6341090000	5931180000	5
Heptachlor	5757910000	5597510000	5545540000	5288860000	5757970000	5589560000	3
Heptachlor epoxide	5795570000	5708170000	5718680000	5584980000	6137920000	5789060000	4
Methoxychlor	2050060000	2015340000	2078640000	2094570000	2389310000	2125590000	7
Tetrachloro-m-xylene	3010860000	2951180000	3030100000	3124300000	3454390000	3114160000	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: AECO02
SDG NO.: Q3375
Calibration Date(s): 10/17/2025 10/17/2025
Calibration Times: 11:34 12:28

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 100 = PD090650.D CF 075 = PD090651.D
CF 050 = PD090652.D CF 025 = PD090653.D CF 005 = PD090654.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	33708900000	34309400000	35560900000	36237500000	42373300000	36438000000	10
4,4'-DDE	40500800000	41191000000	42548600000	43577200000	51373700000	43838300000	10
4,4'-DDT	33888000000	33982600000	34868200000	34959100000	37667600000	35073100000	4
Aldrin	43083800000	43574800000	45033800000	46172400000	53729700000	46318900000	9
alpha-BHC	49118000000	48392000000	49683700000	50500300000	57784900000	51095800000	7
alpha-Chlordane	40004000000	40550200000	41893000000	42708900000	50532500000	43137700000	10
beta-BHC	18296700000	18365500000	19080800000	19804100000	23600800000	19829500000	11
Decachlorobiphenyl	28856800000	28247200000	29308000000	30057200000	34987600000	30291400000	9
delta-BHC	45324900000	45220200000	46466400000	47155800000	54416000000	47716700000	8
Dieldrin	40601100000	41425500000	43096200000	44203200000	51593900000	44184000000	10
Endosulfan I	35728600000	36586400000	38185700000	39478600000	46972400000	39390300000	11
Endosulfan II	34269700000	34968100000	36432200000	37520200000	44587200000	37555500000	11
Endosulfan sulfate	32963400000	33538900000	34960800000	35861000000	41900900000	35845000000	10
Endrin	36902000000	37827400000	39400900000	40693000000	47646500000	40494000000	11
Endrin aldehyde	25110900000	25739400000	26893100000	27767400000	32953200000	27692800000	11
Endrin ketone	34460000000	35020500000	36550700000	37816700000	44740900000	37717800000	11
gamma-BHC (Lindane)	44964800000	44604900000	45972800000	46808300000	53893500000	47248900000	8
gamma-Chlordane	41920800000	42422300000	43748100000	44346600000	52306700000	44948900000	9
Heptachlor	41272300000	41810600000	43239300000	44502900000	52189000000	44602800000	10
Heptachlor epoxide	38203400000	38891500000	40672900000	42374400000	53052500000	42639000000	14
Methoxychlor	16116900000	16316400000	17198900000	17735100000	19771700000	17427800000	8
Tetrachloro-m-xylene	27903400000	27689100000	28617400000	29726500000	34949400000	29777100000	10

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Instrument ID: ECD_D **Date(s) Analyzed:** 10/17/2025 10/17/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	32564400
		2	6.44	6.34	6.54	48621800
		3	7.14	7.04	7.24	85710600
		4	7.56	7.46	7.66	95737400
		5	7.92	7.82	8.02	60480500

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Instrument ID: ECD_D **Date(s) Analyzed:** 10/17/2025 10/17/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.47	5.37	5.57	263702000
		2	5.64	5.54	5.74	176560000
		3	6.75	6.65	6.85	658883000
		4	7.19	7.09	7.29	495104000
		5	7.32	7.22	7.42	246033000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Continuing Calib Date: 10/20/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 10:54 **Initial Calibration Time(s):** 11:34 12:28

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.08	9.06	8.96	9.16	-0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.92	4.82	5.02	-0.01
Aldrin	5.27	5.26	5.16	5.36	-0.01
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.08	6.07	5.97	6.17	-0.01
Dieldrin	6.35	6.34	6.24	6.44	-0.01
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	-0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.91	6.81	7.01	-0.01
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Continuing Calib Date: 10/20/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 10:54 **Initial Calibration Time(s):** 11:34 12:28

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.87	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.50	5.40	5.60	-0.01
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.48	6.47	6.37	6.57	-0.01
4,4'-DDT	6.18	6.17	6.07	6.27	-0.01
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/20/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090692.D **Time Analyzed:** 10:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.708	6.600	6.800	51.950	50.000	3.9
4,4'-DDE	6.198	6.090	6.290	48.740	50.000	-2.5
4,4'-DDT	7.023	6.915	7.115	53.570	50.000	7.1
Aldrin	5.272	5.164	5.364	50.010	50.000	0.0
alpha-BHC	4.001	3.894	4.094	51.020	50.000	2.0
alpha-Chlordane	6.028	5.921	6.121	47.140	50.000	-5.7
beta-BHC	4.518	4.412	4.612	48.370	50.000	-3.3
Decachlorobiphenyl	9.075	8.964	9.164	44.770	50.000	-10.5
delta-BHC	4.768	4.660	4.860	49.740	50.000	-0.5
Dieldrin	6.349	6.240	6.440	49.670	50.000	-0.7
Endosulfan I	6.076	5.968	6.168	49.190	50.000	-1.6
Endosulfan II	6.788	6.681	6.881	52.090	50.000	4.2
Endosulfan sulfate	7.152	7.045	7.245	48.310	50.000	-3.4
Endrin	6.576	6.468	6.668	50.490	50.000	1.0
Endrin aldehyde	6.918	6.810	7.010	50.880	50.000	1.8
Endrin ketone	7.633	7.525	7.725	48.150	50.000	-3.7
gamma-BHC (Lindane)	4.332	4.225	4.425	50.280	50.000	0.6
gamma-Chlordane	5.948	5.840	6.040	49.590	50.000	-0.8
Heptachlor	4.930	4.823	5.023	58.380	50.000	16.8
Heptachlor epoxide	5.691	5.584	5.784	49.670	50.000	-0.7
Methoxychlor	7.497	7.388	7.588	49.610	50.000	-0.8
Tetrachloro-m-xylene	3.551	3.445	3.645	48.020	50.000	-4.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/20/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090692.D **Time Analyzed:** 10:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.922	5.821	6.021	47.850	50.000	-4.3
4,4'-DDE	5.367	5.266	5.466	48.060	50.000	-3.9
4,4'-DDT	6.176	6.074	6.274	52.390	50.000	4.8
Aldrin	4.361	4.261	4.461	48.160	50.000	-3.7
alpha-BHC	3.386	3.287	3.487	47.930	50.000	-4.1
alpha-Chlordane	5.182	5.081	5.281	47.930	50.000	-4.1
beta-BHC	4.019	3.919	4.119	46.720	50.000	-6.6
Decachlorobiphenyl	8.064	7.962	8.162	43.570	50.000	-12.9
delta-BHC	4.255	4.155	4.355	47.730	50.000	-4.5
Dieldrin	5.505	5.404	5.604	48.200	50.000	-3.6
Endosulfan I	5.239	5.138	5.338	45.700	50.000	-8.6
Endosulfan II	6.074	5.972	6.172	48.140	50.000	-3.7
Endosulfan sulfate	6.476	6.374	6.574	47.690	50.000	-4.6
Endrin	5.782	5.681	5.881	48.430	50.000	-3.1
Endrin aldehyde	6.252	6.150	6.350	49.140	50.000	-1.7
Endrin ketone	6.984	6.883	7.083	47.110	50.000	-5.8
gamma-BHC (Lindane)	3.723	3.623	3.823	47.890	50.000	-4.2
gamma-Chlordane	5.118	5.017	5.217	48.010	50.000	-4.0
Heptachlor	4.075	3.975	4.175	48.070	50.000	-3.9
Heptachlor epoxide	4.865	4.764	4.964	47.090	50.000	-5.8
Methoxychlor	6.747	6.645	6.845	49.270	50.000	-1.5
Tetrachloro-m-xylene	2.874	2.775	2.975	47.440	50.000	-5.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Continuing Calib Date: 10/20/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 16:52 **Initial Calibration Time(s):** 11:34 12:28

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.06	8.96	9.16	-0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.92	4.82	5.02	-0.01
Aldrin	5.27	5.26	5.16	5.36	-0.01
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Continuing Calib Date: 10/20/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 16:52 **Initial Calibration Time(s):** 11:34 12:28

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.87	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.48	6.47	6.37	6.57	0.00
4,4'-DDT	6.18	6.17	6.07	6.27	-0.01
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/20/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090704.D **Time Analyzed:** 16:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.600	6.800	48.680	50.000	-2.6
4,4'-DDE	6.194	6.090	6.290	49.130	50.000	-1.7
4,4'-DDT	7.020	6.915	7.115	50.170	50.000	0.3
Aldrin	5.268	5.164	5.364	50.130	50.000	0.3
alpha-BHC	3.998	3.894	4.094	51.720	50.000	3.4
alpha-Chlordane	6.025	5.921	6.121	46.990	50.000	-6.0
beta-BHC	4.516	4.412	4.612	49.800	50.000	-0.4
Decachlorobiphenyl	9.071	8.964	9.164	45.330	50.000	-9.3
delta-BHC	4.764	4.660	4.860	50.830	50.000	1.7
Dieldrin	6.345	6.240	6.440	49.160	50.000	-1.7
Endosulfan I	6.072	5.968	6.168	48.730	50.000	-2.5
Endosulfan II	6.786	6.681	6.881	47.790	50.000	-4.4
Endosulfan sulfate	7.149	7.045	7.245	47.780	50.000	-4.4
Endrin	6.572	6.468	6.668	49.220	50.000	-1.6
Endrin aldehyde	6.914	6.810	7.010	48.100	50.000	-3.8
Endrin ketone	7.630	7.525	7.725	47.980	50.000	-4.0
gamma-BHC (Lindane)	4.329	4.225	4.425	51.230	50.000	2.5
gamma-Chlordane	5.944	5.840	6.040	48.950	50.000	-2.1
Heptachlor	4.927	4.823	5.023	53.180	50.000	6.4
Heptachlor epoxide	5.688	5.584	5.784	49.080	50.000	-1.8
Methoxychlor	7.493	7.388	7.588	48.060	50.000	-3.9
Tetrachloro-m-xylene	3.548	3.445	3.645	48.690	50.000	-2.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/20/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090704.D **Time Analyzed:** 16:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.922	5.821	6.021	46.010	50.000	-8.0
4,4'-DDE	5.366	5.266	5.466	46.950	50.000	-6.1
4,4'-DDT	6.175	6.074	6.274	48.270	50.000	-3.5
Aldrin	4.361	4.261	4.461	48.320	50.000	-3.4
alpha-BHC	3.386	3.287	3.487	48.670	50.000	-2.7
alpha-Chlordane	5.182	5.081	5.281	47.280	50.000	-5.4
beta-BHC	4.019	3.919	4.119	47.960	50.000	-4.1
Decachlorobiphenyl	8.062	7.962	8.162	41.240	50.000	-17.5
delta-BHC	4.255	4.155	4.355	48.300	50.000	-3.4
Dieldrin	5.504	5.404	5.604	47.340	50.000	-5.3
Endosulfan I	5.239	5.138	5.338	47.430	50.000	-5.1
Endosulfan II	6.073	5.972	6.172	46.400	50.000	-7.2
Endosulfan sulfate	6.475	6.374	6.574	46.130	50.000	-7.7
Endrin	5.781	5.681	5.881	47.050	50.000	-5.9
Endrin aldehyde	6.251	6.150	6.350	46.270	50.000	-7.5
Endrin ketone	6.984	6.883	7.083	45.010	50.000	-10.0
gamma-BHC (Lindane)	3.723	3.623	3.823	48.540	50.000	-2.9
gamma-Chlordane	5.117	5.017	5.217	47.560	50.000	-4.9
Heptachlor	4.075	3.975	4.175	48.460	50.000	-3.1
Heptachlor epoxide	4.865	4.764	4.964	46.960	50.000	-6.1
Methoxychlor	6.746	6.645	6.845	46.850	50.000	-6.3
Tetrachloro-m-xylene	2.874	2.775	2.975	48.050	50.000	-3.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Continuing Calib Date: 10/20/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 19:09 **Initial Calibration Time(s):** 11:34 12:28

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.55	3.45	3.65	0.01
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.14	7.15	7.05	7.25	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Continuing Calib Date: 10/20/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 19:09 **Initial Calibration Time(s):** 11:34 12:28

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.01
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.74	6.75	6.65	6.85	0.01
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/20/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090713.D **Time Analyzed:** 19:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.700	6.600	6.800	50.870	50.000	1.7
4,4'-DDE	6.190	6.090	6.290	50.630	50.000	1.3
4,4'-DDT	7.016	6.915	7.115	51.190	50.000	2.4
Aldrin	5.264	5.164	5.364	51.810	50.000	3.6
alpha-BHC	3.994	3.894	4.094	53.030	50.000	6.1
alpha-Chlordane	6.021	5.921	6.121	48.460	50.000	-3.1
beta-BHC	4.512	4.412	4.612	50.550	50.000	1.1
Decachlorobiphenyl	9.065	8.964	9.164	46.510	50.000	-7.0
delta-BHC	4.760	4.660	4.860	52.270	50.000	4.5
Dieldrin	6.341	6.240	6.440	51.090	50.000	2.2
Endosulfan I	6.068	5.968	6.168	50.490	50.000	1.0
Endosulfan II	6.781	6.681	6.881	49.930	50.000	-0.1
Endosulfan sulfate	7.144	7.045	7.245	49.480	50.000	-1.0
Endrin	6.568	6.468	6.668	50.890	50.000	1.8
Endrin aldehyde	6.910	6.810	7.010	50.140	50.000	0.3
Endrin ketone	7.625	7.525	7.725	49.830	50.000	-0.3
gamma-BHC (Lindane)	4.324	4.225	4.425	52.450	50.000	4.9
gamma-Chlordane	5.940	5.840	6.040	50.930	50.000	1.9
Heptachlor	4.923	4.823	5.023	52.090	50.000	4.2
Heptachlor epoxide	5.684	5.584	5.784	51.040	50.000	2.1
Methoxychlor	7.488	7.388	7.588	48.640	50.000	-2.7
Tetrachloro-m-xylene	3.544	3.445	3.645	50.600	50.000	1.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/20/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090713.D **Time Analyzed:** 19:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.920	5.821	6.021	48.360	50.000	-3.3
4,4'-DDE	5.365	5.266	5.466	48.900	50.000	-2.2
4,4'-DDT	6.173	6.074	6.274	50.220	50.000	0.4
Aldrin	4.360	4.261	4.461	49.500	50.000	-1.0
alpha-BHC	3.386	3.287	3.487	49.550	50.000	-0.9
alpha-Chlordane	5.181	5.081	5.281	49.160	50.000	-1.7
beta-BHC	4.018	3.919	4.119	49.120	50.000	-1.8
Decachlorobiphenyl	8.060	7.962	8.162	45.380	50.000	-9.2
delta-BHC	4.255	4.155	4.355	49.490	50.000	-1.0
Dieldrin	5.503	5.404	5.604	49.370	50.000	-1.3
Endosulfan I	5.238	5.138	5.338	49.000	50.000	-2.0
Endosulfan II	6.071	5.972	6.172	49.040	50.000	-1.9
Endosulfan sulfate	6.473	6.374	6.574	48.550	50.000	-2.9
Endrin	5.780	5.681	5.881	49.520	50.000	-1.0
Endrin aldehyde	6.249	6.150	6.350	48.770	50.000	-2.5
Endrin ketone	6.982	6.883	7.083	48.370	50.000	-3.3
gamma-BHC (Lindane)	3.722	3.623	3.823	49.650	50.000	-0.7
gamma-Chlordane	5.116	5.017	5.217	49.350	50.000	-1.3
Heptachlor	4.074	3.975	4.175	49.390	50.000	-1.2
Heptachlor epoxide	4.863	4.764	4.964	48.140	50.000	-3.7
Methoxychlor	6.744	6.645	6.845	49.130	50.000	-1.7
Tetrachloro-m-xylene	2.874	2.775	2.975	49.050	50.000	-1.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Continuing Calib Date: 10/20/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 21:12 **Initial Calibration Time(s):** 11:34 12:28

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.27	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Continuing Calib Date: 10/20/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 21:12 **Initial Calibration Time(s):** 11:34 12:28

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.18	6.17	6.07	6.27	-0.01
Methoxychlor	6.75	6.75	6.65	6.85	0.01
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/20/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090720.D **Time Analyzed:** 21:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.700	6.600	6.800	53.530	50.000	7.1
4,4'-DDE	6.191	6.090	6.290	52.650	50.000	5.3
4,4'-DDT	7.016	6.915	7.115	52.950	50.000	5.9
Aldrin	5.265	5.164	5.364	54.180	50.000	8.4
alpha-BHC	3.994	3.894	4.094	55.130	50.000	10.3
alpha-Chlordane	6.021	5.921	6.121	51.160	50.000	2.3
beta-BHC	4.512	4.412	4.612	52.600	50.000	5.2
Decachlorobiphenyl	9.065	8.964	9.164	47.550	50.000	-4.9
delta-BHC	4.761	4.660	4.860	54.840	50.000	9.7
Dieldrin	6.341	6.240	6.440	53.390	50.000	6.8
Endosulfan I	6.069	5.968	6.168	52.690	50.000	5.4
Endosulfan II	6.781	6.681	6.881	52.420	50.000	4.8
Endosulfan sulfate	7.145	7.045	7.245	51.430	50.000	2.9
Endrin	6.568	6.468	6.668	53.290	50.000	6.6
Endrin aldehyde	6.910	6.810	7.010	52.130	50.000	4.3
Endrin ketone	7.625	7.525	7.725	52.480	50.000	5.0
gamma-BHC (Lindane)	4.325	4.225	4.425	54.620	50.000	9.2
gamma-Chlordane	5.940	5.840	6.040	53.220	50.000	6.4
Heptachlor	4.923	4.823	5.023	53.220	50.000	6.4
Heptachlor epoxide	5.683	5.584	5.784	53.550	50.000	7.1
Methoxychlor	7.489	7.388	7.588	49.850	50.000	-0.3
Tetrachloro-m-xylene	3.545	3.445	3.645	52.340	50.000	4.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/20/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090720.D **Time Analyzed:** 21:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.921	5.821	6.021	50.030	50.000	0.1
4,4'-DDE	5.366	5.266	5.466	50.380	50.000	0.8
4,4'-DDT	6.175	6.074	6.274	51.210	50.000	2.4
Aldrin	4.360	4.261	4.461	51.050	50.000	2.1
alpha-BHC	3.387	3.287	3.487	51.160	50.000	2.3
alpha-Chlordane	5.182	5.081	5.281	50.710	50.000	1.4
beta-BHC	4.019	3.919	4.119	50.570	50.000	1.1
Decachlorobiphenyl	8.061	7.962	8.162	46.430	50.000	-7.1
delta-BHC	4.255	4.155	4.355	51.210	50.000	2.4
Dieldrin	5.504	5.404	5.604	50.830	50.000	1.7
Endosulfan I	5.238	5.138	5.338	50.020	50.000	0.0
Endosulfan II	6.072	5.972	6.172	50.450	50.000	0.9
Endosulfan sulfate	6.474	6.374	6.574	50.250	50.000	0.5
Endrin	5.781	5.681	5.881	51.910	50.000	3.8
Endrin aldehyde	6.250	6.150	6.350	50.390	50.000	0.8
Endrin ketone	6.983	6.883	7.083	50.060	50.000	0.1
gamma-BHC (Lindane)	3.723	3.623	3.823	51.150	50.000	2.3
gamma-Chlordane	5.117	5.017	5.217	50.960	50.000	1.9
Heptachlor	4.075	3.975	4.175	50.470	50.000	0.9
Heptachlor epoxide	4.864	4.764	4.964	49.730	50.000	-0.5
Methoxychlor	6.745	6.645	6.845	49.950	50.000	-0.1
Tetrachloro-m-xylene	2.874	2.775	2.975	50.300	50.000	0.6

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090648.D **Date Analyzed:** 10/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:07

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.066	8.970	9.170	22.860	20.000	14.3
Tetrachloro-m-xylene	3.544	3.490	3.590	21.710	20.000	8.6
alpha-BHC	3.994	3.940	4.040	9.050	10.000	-9.5
beta-BHC	4.512	4.460	4.560	10.070	10.000	0.7
gamma-BHC (Lindane)	4.324	4.270	4.370	9.330	10.000	-6.7
Endrin	6.568	6.500	6.640	49.200	50.000	-1.6
4,4'-DDT	7.016	6.950	7.090	100.270	100.000	0.3
Methoxychlor	7.489	7.420	7.560	236.810	250.000	-5.3

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090648.D **Date Analyzed:** 10/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:07

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.062	7.960	8.160	21.400	20.000	7.0
Tetrachloro-m-xylene	2.875	2.820	2.930	21.220	20.000	6.1
alpha-BHC	3.386	3.340	3.440	10.300	10.000	3.0
beta-BHC	4.019	3.970	4.070	10.460	10.000	4.6
gamma-BHC (Lindane)	3.723	3.670	3.770	10.340	10.000	3.4
Endrin	5.781	5.710	5.850	47.940	50.000	-4.1
4,4'-DDT	6.174	6.100	6.240	95.670	100.000	-4.3
Methoxychlor	6.745	6.670	6.820	201.830	250.000	-19.3

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090691.D **Date Analyzed:** 10/20/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:18

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.068	8.970	9.170	22.810	20.000	14.1
Tetrachloro-m-xylene	3.544	3.490	3.590	24.050	20.000	20.3
alpha-BHC	3.994	3.940	4.040	10.350	10.000	3.5
beta-BHC	4.512	4.460	4.560	11.450	10.000	14.5
gamma-BHC (Lindane)	4.325	4.270	4.380	10.620	10.000	6.2
Endrin	6.569	6.500	6.640	56.900	50.000	13.8
4,4'-DDT	7.017	6.950	7.090	116.860	100.000	16.9
Methoxychlor	7.490	7.420	7.560	260.810	250.000	4.3

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090691.D **Date Analyzed:** 10/20/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:18

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.062	7.960	8.160	22.580	20.000	12.9
Tetrachloro-m-xylene	2.874	2.820	2.920	23.660	20.000	18.3
alpha-BHC	3.386	3.340	3.440	11.570	10.000	15.7
beta-BHC	4.018	3.970	4.070	11.530	10.000	15.3
gamma-BHC (Lindane)	3.722	3.670	3.770	11.710	10.000	17.1
Endrin	5.780	5.710	5.850	53.990	50.000	8.0
4,4'-DDT	6.174	6.100	6.240	115.610	100.000	15.6
Methoxychlor	6.745	6.670	6.820	222.800	250.000	-10.9

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090712.D **Date Analyzed:** 10/20/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 18:55

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.066	8.970	9.170	22.010	20.000	10.1
Tetrachloro-m-xylene	3.544	3.490	3.590	23.290	20.000	16.5
alpha-BHC	3.993	3.940	4.040	9.900	10.000	-1.0
beta-BHC	4.512	4.460	4.560	11.060	10.000	10.6
gamma-BHC (Lindane)	4.324	4.270	4.370	10.190	10.000	1.9
Endrin	6.569	6.500	6.640	54.760	50.000	9.5
4,4'-DDT	7.016	6.950	7.090	107.540	100.000	7.5
Methoxychlor	7.489	7.420	7.560	245.850	250.000	-1.7

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090712.D **Date Analyzed:** 10/20/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 18:55

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.062	7.960	8.160	21.010	20.000	5.1
Tetrachloro-m-xylene	2.874	2.820	2.920	22.500	20.000	12.5
alpha-BHC	3.386	3.340	3.440	11.010	10.000	10.1
beta-BHC	4.019	3.970	4.070	10.810	10.000	8.1
gamma-BHC (Lindane)	3.722	3.670	3.770	11.090	10.000	10.9
Endrin	5.780	5.710	5.850	51.800	50.000	3.6
4,4'-DDT	6.174	6.100	6.240	102.190	100.000	2.2
Methoxychlor	6.744	6.670	6.810	212.170	250.000	-15.1

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Analytical Sequence

Client: AECOM **SDG No.:** Q3375

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069 **Instrument ID:** ECD_D

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/17/2025 10/17/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/17/2025	10:53	PD090647.D	9.07	3.55
PEM	PEM	10/17/2025	11:07	PD090648.D	9.07	3.54
RESCHK	RESCHK	10/17/2025	11:20	PD090649.D	9.07	3.54
PSTDICC100	PSTDICC100	10/17/2025	11:34	PD090650.D	9.07	3.54
PSTDICC075	PSTDICC075	10/17/2025	11:48	PD090651.D	9.07	3.55
PSTDICC050	PSTDICC050	10/17/2025	12:01	PD090652.D	9.06	3.55
PSTDICC025	PSTDICC025	10/17/2025	12:15	PD090653.D	9.07	3.54
PSTDICC005	PSTDICC005	10/17/2025	12:28	PD090654.D	9.07	3.54
PCHLORICC500	PCHLORICC500	10/17/2025	13:09	PD090657.D	9.07	3.55
PTOXICC500	PTOXICC500	10/17/2025	14:17	PD090662.D	9.07	3.55
I.BLK	I.BLK	10/20/2025	10:04	PD090690.D	9.07	3.55
PEM	PEM	10/20/2025	10:18	PD090691.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/20/2025	10:54	PD090692.D	9.08	3.55
PB170163BL	PB170163BL	10/20/2025	13:25	PD090693.D	9.08	3.55
PB170163BS	PB170163BS	10/20/2025	14:12	PD090694.D	9.07	3.55
I.BLK	I.BLK	10/20/2025	16:22	PD090703.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/20/2025	16:52	PD090704.D	9.07	3.55
TP-5-WCMS	Q3374-05MS	10/20/2025	17:47	PD090707.D	9.07	3.54
TP-5-WCMSD	Q3374-05MSD	10/20/2025	18:01	PD090708.D	9.07	3.54
I.BLK	I.BLK	10/20/2025	18:42	PD090711.D	9.07	3.54
PEM	PEM	10/20/2025	18:55	PD090712.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/20/2025	19:09	PD090713.D	9.07	3.54
PR132-S02-074099-20251016	Q3375-01	10/20/2025	19:50	PD090714.D	9.07	3.54
PR132-S04-000013-20251016	Q3375-02	10/20/2025	20:04	PD090715.D	9.07	3.54
PR132-S05-000057-20251016	Q3375-03	10/20/2025	20:17	PD090716.D	9.07	3.54
PR132-S02-010074-20251016	Q3375-04	10/20/2025	20:31	PD090717.D	9.07	3.54
PR132-DP02-20251016	Q3375-05	10/20/2025	20:44	PD090718.D	9.07	3.54
I.BLK	I.BLK	10/20/2025	20:58	PD090719.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/20/2025	21:12	PD090720.D	9.07	3.55

Alliance TECHNICAL GROUP
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Analytical Sequence

Client: AECOM **SDG No.:** Q3375

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069 **Instrument ID:** ECD_D

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/17/2025 10/17/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/17/2025	10:53	PD090647.D	8.06	2.88
PEM	PEM	10/17/2025	11:07	PD090648.D	8.06	2.88
RESCHK	RESCHK	10/17/2025	11:20	PD090649.D	8.06	2.87
PSTDICC100	PSTDICC100	10/17/2025	11:34	PD090650.D	8.06	2.87
PSTDICC075	PSTDICC075	10/17/2025	11:48	PD090651.D	8.06	2.88
PSTDICC050	PSTDICC050	10/17/2025	12:01	PD090652.D	8.06	2.88
PSTDICC025	PSTDICC025	10/17/2025	12:15	PD090653.D	8.06	2.87
PSTDICC005	PSTDICC005	10/17/2025	12:28	PD090654.D	8.06	2.87
PCHLORICC500	PCHLORICC500	10/17/2025	13:09	PD090657.D	8.06	2.87
PTOXICC500	PTOXICC500	10/17/2025	14:17	PD090662.D	8.06	2.88
I.BLK	I.BLK	10/20/2025	10:04	PD090690.D	8.06	2.87
PEM	PEM	10/20/2025	10:18	PD090691.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/20/2025	10:54	PD090692.D	8.06	2.87
PB170163BL	PB170163BL	10/20/2025	13:25	PD090693.D	8.07	2.87
PB170163BS	PB170163BS	10/20/2025	14:12	PD090694.D	8.06	2.87
I.BLK	I.BLK	10/20/2025	16:22	PD090703.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/20/2025	16:52	PD090704.D	8.06	2.87
TP-5-WCMS	Q3374-05MS	10/20/2025	17:47	PD090707.D	8.06	2.88
TP-5-WCMSD	Q3374-05MSD	10/20/2025	18:01	PD090708.D	8.06	2.87
I.BLK	I.BLK	10/20/2025	18:42	PD090711.D	8.06	2.87
PEM	PEM	10/20/2025	18:55	PD090712.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/20/2025	19:09	PD090713.D	8.06	2.87
PR132-S02-074099-20251016	Q3375-01	10/20/2025	19:50	PD090714.D	8.06	2.87
PR132-S04-000013-20251016	Q3375-02	10/20/2025	20:04	PD090715.D	8.06	2.87
PR132-S05-000057-20251016	Q3375-03	10/20/2025	20:17	PD090716.D	8.06	2.87
PR132-S02-010074-20251016	Q3375-04	10/20/2025	20:31	PD090717.D	8.06	2.87
PR132-DP02-20251016	Q3375-05	10/20/2025	20:44	PD090718.D	8.06	2.87
I.BLK	I.BLK	10/20/2025	20:58	PD090719.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/20/2025	21:12	PD090720.D	8.06	2.87

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170163BS

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Lab Sample ID: PB170163BS **Date(s) Analyzed:** 10/20/2025 10/20/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	18.0	6.3
	2	5.92	5.87	5.97	16.9	
4,4'-DDE	1	6.20	6.15	6.25	18.1	6.9
	2	5.37	5.32	5.42	16.9	
4,4'-DDT	1	7.02	6.97	7.07	19.1	2.1
	2	6.18	6.13	6.23	18.7	
alpha-BHC	1	4.00	3.95	4.05	17.6	6.5
	2	3.39	3.34	3.44	16.5	
Aldrin	1	5.27	5.22	5.32	17.4	4.1
	2	4.36	4.31	4.41	16.7	
alpha-Chlordane	1	6.03	5.98	6.08	16.8	0.6
	2	5.18	5.13	5.23	16.9	
Endosulfan II	1	6.79	6.74	6.84	17.5	2.3
	2	6.07	6.02	6.12	17.1	
Endosulfan sulfate	1	7.15	7.10	7.20	17.2	0
	2	6.48	6.43	6.53	17.2	
beta-BHC	1	4.52	4.47	4.57	16.9	2.4
	2	4.02	3.97	4.07	16.5	
delta-BHC	1	4.77	4.72	4.82	17.4	4.1
	2	4.26	4.21	4.31	16.7	
Endosulfan I	1	6.07	6.02	6.12	17.4	5.3
	2	5.24	5.19	5.29	16.5	
Dieldrin	1	6.35	6.30	6.40	17.6	2.9
	2	5.50	5.45	5.55	17.1	
Endrin aldehyde	1	6.92	6.87	6.97	17.9	2.3
	2	6.25	6.20	6.30	17.5	
Methoxychlor	1	7.50	7.45	7.55	18.0	0
	2	6.75	6.70	6.80	18.0	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170163BS

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Lab Sample ID: PB170163BS **Date(s) Analyzed:** 10/20/2025 10/20/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.63	7.58	7.68	17.3	1.7
	2	6.98	6.93	7.03	17.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	17.4	4.1
	2	3.72	3.67	3.77	16.7	
Heptachlor	1	4.93	4.88	4.98	20.3	18.3
	2	4.08	4.03	4.13	16.9	
Heptachlor epoxide	1	5.69	5.64	5.74	17.6	5.8
	2	4.86	4.81	4.91	16.6	
gamma-Chlordane	1	5.95	5.90	6.00	17.5	3.5
	2	5.12	5.07	5.17	16.9	
Endrin	1	6.58	6.53	6.63	17.9	5.7
	2	5.78	5.73	5.83	16.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-DP02-20251016

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Lab Sample ID: Q3375-05 **Date(s) Analyzed:** 10/20/2025 10/20/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.70	6.65	6.75	3.50	12.1
	2	5.92	5.87	5.97	3.10	
gamma-Chlordane	1	5.94	5.89	5.99	0.77	8.8
	2	5.12	5.07	5.17	0.71	
alpha-Chlordane	1	6.02	5.97	6.07	0.57	42.1
	2	5.18	5.13	5.23	0.37	
4,4'-DDE	1	6.19	6.14	6.24	2.70	40
	2	5.37	5.32	5.42	1.80	
Dieldrin	1	6.34	6.29	6.39	0.39	95.5
	2	5.50	5.45	5.55	1.10	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S05-000057-20251016

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Lab Sample ID: Q3375-03 **Date(s) Analyzed:** 10/20/2025 10/20/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.70	6.65	6.75	0.88	36.8
	2	5.92	5.87	5.97	0.61	
gamma-Chlordane	1	5.94	5.89	5.99	0.34	8.3
	2	5.12	5.07	5.17	0.37	
4,4'-DDE	1	6.19	6.14	6.24	1.60	37
	2	5.37	5.32	5.42	1.10	
Dieldrin	1	6.34	6.29	6.39	0.31	85.7
	2	5.50	5.45	5.55	0.77	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-5-WCMS

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Lab Sample ID: Q3374-05MS **Date(s) Analyzed:** 10/20/2025 10/20/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.70	6.65	6.75	17.9	14.4
	2	5.92	5.87	5.97	15.5	
4,4'-DDT	1	7.02	6.97	7.07	17.8	5.2
	2	6.17	6.12	6.22	16.9	
alpha-BHC	1	3.99	3.94	4.04	17.7	5.8
	2	3.39	3.34	3.44	16.7	
Aldrin	1	5.27	5.22	5.32	17.4	3.5
	2	4.36	4.31	4.41	16.8	
beta-BHC	1	4.51	4.46	4.56	17.3	2.9
	2	4.02	3.97	4.07	16.8	
alpha-Chlordane	1	6.02	5.97	6.07	16.5	1.8
	2	5.18	5.13	5.23	16.8	
4,4'-DDE	1	6.19	6.14	6.24	17.2	2.9
	2	5.37	5.32	5.42	16.7	
Endosulfan II	1	6.78	6.73	6.83	13.4	20.7
	2	6.07	6.02	6.12	16.5	
Endrin aldehyde	1	6.91	6.86	6.96	16.5	1.8
	2	6.25	6.20	6.30	16.2	
Endosulfan sulfate	1	7.15	7.10	7.20	16.4	1.8
	2	6.47	6.42	6.52	16.1	
Methoxychlor	1	7.49	7.44	7.54	16.9	3
	2	6.75	6.70	6.80	16.4	
Endrin ketone	1	7.63	7.58	7.68	16.7	3
	2	6.98	6.93	7.03	16.2	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	17.5	5.3
	2	3.72	3.67	3.77	16.6	
Heptachlor	1	4.92	4.87	4.97	17.8	7
	2	4.08	4.03	4.13	16.6	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-5-WCMS

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Lab Sample ID: Q3374-05MS **Date(s) Analyzed:** 10/20/2025 10/20/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
delta-BHC	1	4.76	4.71	4.81	17.6	5.8
	2	4.26	4.21	4.31	16.6	
Heptachlor epoxide	1	5.69	5.64	5.74	17.3	6
	2	4.86	4.81	4.91	16.3	
Endosulfan I	1	6.07	6.02	6.12	17.1	2.4
	2	5.24	5.19	5.29	16.7	
gamma-Chlordane	1	5.94	5.89	5.99	16.7	0
	2	5.12	5.07	5.17	16.7	
Dieldrin	1	6.34	6.29	6.39	17.2	2.9
	2	5.50	5.45	5.55	16.7	
Endrin	1	6.57	6.52	6.62	17.3	1.2
	2	5.78	5.73	5.83	17.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-5-WCMSD

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Lab Sample ID: Q3374-05MSD **Date(s) Analyzed:** 10/20/2025 10/20/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.78	6.73	6.83	13.7	19.7
	2	6.07	6.02	6.12	16.7	
4,4'-DDD	1	6.70	6.65	6.75	18.3	15.9
	2	5.92	5.87	5.97	15.6	
4,4'-DDT	1	7.02	6.97	7.07	17.9	3.4
	2	6.17	6.12	6.22	17.3	
Endrin aldehyde	1	6.91	6.86	6.96	17.0	1.8
	2	6.25	6.20	6.30	16.7	
Endosulfan sulfate	1	7.15	7.10	7.20	16.6	1.2
	2	6.47	6.42	6.52	16.4	
alpha-BHC	1	3.99	3.94	4.04	18.1	6.9
	2	3.39	3.34	3.44	16.9	
Aldrin	1	5.27	5.22	5.32	17.7	4
	2	4.36	4.31	4.41	17.0	
beta-BHC	1	4.51	4.46	4.56	17.5	2.3
	2	4.02	3.97	4.07	17.1	
delta-BHC	1	4.76	4.71	4.81	17.9	5.7
	2	4.25	4.20	4.30	16.9	
Endosulfan I	1	6.07	6.02	6.12	17.4	2.9
	2	5.24	5.19	5.29	16.9	
alpha-Chlordane	1	6.02	5.97	6.07	16.7	1.8
	2	5.18	5.13	5.23	17.0	
4,4'-DDE	1	6.19	6.14	6.24	17.5	4.1
	2	5.37	5.32	5.42	16.8	
Dieldrin	1	6.34	6.29	6.39	17.5	3.5
	2	5.50	5.45	5.55	16.9	
Endrin	1	6.57	6.52	6.62	17.6	3.5
	2	5.78	5.73	5.83	17.0	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-5-WCMSD

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Lab Sample ID: Q3374-05MSD **Date(s) Analyzed:** 10/20/2025 10/20/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.49	7.44	7.54	17.2	2.9
	2	6.75	6.70	6.80	16.7	
Endrin ketone	1	7.63	7.58	7.68	17.0	3
	2	6.98	6.93	7.03	16.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	17.8	5.2
	2	3.72	3.67	3.77	16.9	
Heptachlor	1	4.92	4.87	4.97	18.0	6.9
	2	4.07	4.02	4.12	16.8	
Heptachlor epoxide	1	5.69	5.64	5.74	17.5	5.3
	2	4.86	4.81	4.91	16.6	
gamma-Chlordane	1	5.94	5.89	5.99	16.9	0
	2	5.12	5.07	5.17	16.9	

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LAB CHRONICLE

OrderID:	Q3375	**OrderDate:**	10/17/2025 10:32:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3375-01	**PR132-S02-074099-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			PCB	8082A		10/20/25	10/20/25	
			Pesticide-TCL	8081B		10/20/25	10/20/25	
Q3375-02	**PR132-S04-000013-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			PCB	8082A		10/20/25	10/20/25	
			Pesticide-TCL	8081B		10/20/25	10/20/25	
Q3375-03	**PR132-S05-000057-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			PCB	8082A		10/20/25	10/20/25	
			Pesticide-TCL	8081B		10/20/25	10/20/25	
Q3375-04	**PR132-S02-010074-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			PCB	8082A		10/20/25	10/20/25	
			Pesticide-TCL	8081B		10/20/25	10/20/25	
Q3375-05	**PR132-DP02-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			PCB	8082A		10/20/25	10/20/25	
			Pesticide-TCL	8081B		10/20/25	10/20/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3375 **Order ID:** Q3375

Client: AECOM **Project ID:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-S05-000057-20251016								
Q3375-03	PR132-S05-000057-2(	SOIL	Aroclor-1242	51.1		6.00	25.4	ug/kg
Q3375-03	PR132-S05-000057-2(	SOIL	Aroclor-1254	21.2	J	4.80	25.4	ug/kg
			Total Concentration:	**72.300**				
Client ID : PR132-DP02-20251016								
Q3375-05	PR132-DP02-2025101	SOIL	Aroclor-1242	61.9		6.00	25.4	ug/kg
Q3375-05	PR132-DP02-2025101	SOIL	Aroclor-1254	25.3	J	4.80	25.4	ug/kg
			Total Concentration:	**87.200**				

SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-074099-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	69.2
Sample Wt/Vol:	30.02 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	24.6	U	1	5.70	24.6	ug/kg	10/20/25 14:19	PB170162
11104-28-2	Aroclor-1221	24.6	U	1	5.80	24.6	ug/kg	10/20/25 14:19	PB170162
11141-16-5	Aroclor-1232	24.6	U	1	5.40	24.6	ug/kg	10/20/25 14:19	PB170162
53469-21-9	Aroclor-1242	24.6	U	1	5.80	24.6	ug/kg	10/20/25 14:19	PB170162
12672-29-6	Aroclor-1248	24.6	U	1	8.50	24.6	ug/kg	10/20/25 14:19	PB170162
11097-69-1	Aroclor-1254	24.6	U	1	4.60	24.6	ug/kg	10/20/25 14:19	PB170162
37324-23-5	Aroclor-1262	24.6	U	1	7.20	24.6	ug/kg	10/20/25 14:19	PB170162
11100-14-4	Aroclor-1268	24.6	U	1	5.20	24.6	ug/kg	10/20/25 14:19	PB170162
11096-82-5	Aroclor-1260	24.6	U	1	4.70	24.6	ug/kg	10/20/25 14:19	PB170162
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.0			32 - 144	105%	SPK: 20		
2051-24-3	Decachlorobiphenyl	15.7			32 - 175	78%	SPK: 20		

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S04-000013-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	74.7
Sample Wt/Vol:	30.05 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	22.7	U	1	5.30	22.7	ug/kg	10/20/25 14:33	PB170162
11104-28-2	Aroclor-1221	22.7	U	1	5.40	22.7	ug/kg	10/20/25 14:33	PB170162
11141-16-5	Aroclor-1232	22.7	U	1	5.00	22.7	ug/kg	10/20/25 14:33	PB170162
53469-21-9	Aroclor-1242	22.7	U	1	5.40	22.7	ug/kg	10/20/25 14:33	PB170162
12672-29-6	Aroclor-1248	22.7	U	1	7.90	22.7	ug/kg	10/20/25 14:33	PB170162
11097-69-1	Aroclor-1254	22.7	U	1	4.30	22.7	ug/kg	10/20/25 14:33	PB170162
37324-23-5	Aroclor-1262	22.7	U	1	6.70	22.7	ug/kg	10/20/25 14:33	PB170162
11100-14-4	Aroclor-1268	22.7	U	1	4.80	22.7	ug/kg	10/20/25 14:33	PB170162
11096-82-5	Aroclor-1260	22.7	U	1	4.30	22.7	ug/kg	10/20/25 14:33	PB170162
SURROGATES									
877-09-8	Tetrachloro-m-xylene	23.8			32 - 144	119%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.5			32 - 175	83%	SPK: 20		

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-000057-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	66.7
Sample Wt/Vol:	30.08 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	25.4	U	1	5.90	25.4	ug/kg	10/20/25 14:48	PB170162
11104-28-2	Aroclor-1221	25.4	U	1	6.00	25.4	ug/kg	10/20/25 14:48	PB170162
11141-16-5	Aroclor-1232	25.4	U	1	5.60	25.4	ug/kg	10/20/25 14:48	PB170162
53469-21-9	Aroclor-1242	51.1		1	6.00	25.4	ug/kg	10/20/25 14:48	PB170162
12672-29-6	Aroclor-1248	25.4	U	1	8.90	25.4	ug/kg	10/20/25 14:48	PB170162
11097-69-1	Aroclor-1254	21.2	J	1	4.80	25.4	ug/kg	10/20/25 14:48	PB170162
37324-23-5	Aroclor-1262	25.4	U	1	7.50	25.4	ug/kg	10/20/25 14:48	PB170162
11100-14-4	Aroclor-1268	25.4	U	1	5.40	25.4	ug/kg	10/20/25 14:48	PB170162
11096-82-5	Aroclor-1260	25.4	U	1	4.80	25.4	ug/kg	10/20/25 14:48	PB170162
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.5			32 - 144	92%	SPK: 20		
2051-24-3	Decachlorobiphenyl	17.0			32 - 175	85%	SPK: 20		

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-010074-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	55.3
Sample Wt/Vol:	30.04 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	30.7	U	1	7.10	30.7	ug/kg	10/20/25 15:02	PB170162
11104-28-2	Aroclor-1221	30.7	U	1	7.30	30.7	ug/kg	10/20/25 15:02	PB170162
11141-16-5	Aroclor-1232	30.7	U	1	6.70	30.7	ug/kg	10/20/25 15:02	PB170162
53469-21-9	Aroclor-1242	30.7	U	1	7.20	30.7	ug/kg	10/20/25 15:02	PB170162
12672-29-6	Aroclor-1248	30.7	U	1	10.7	30.7	ug/kg	10/20/25 15:02	PB170162
11097-69-1	Aroclor-1254	30.7	U	1	5.80	30.7	ug/kg	10/20/25 15:02	PB170162
37324-23-5	Aroclor-1262	30.7	U	1	9.10	30.7	ug/kg	10/20/25 15:02	PB170162
11100-14-4	Aroclor-1268	30.7	U	1	6.50	30.7	ug/kg	10/20/25 15:02	PB170162
11096-82-5	Aroclor-1260	30.7	U	1	5.80	30.7	ug/kg	10/20/25 15:02	PB170162
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.5			32 - 144	108%	SPK: 20		
2051-24-3	Decachlorobiphenyl	18.6			32 - 175	93%	SPK: 20		

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP02-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-05	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	66.7
Sample Wt/Vol:	30.07 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	25.4	U	1	5.90	25.4	ug/kg	10/20/25 15:47	PB170162
11104-28-2	Aroclor-1221	25.4	U	1	6.00	25.4	ug/kg	10/20/25 15:47	PB170162
11141-16-5	Aroclor-1232	25.4	U	1	5.60	25.4	ug/kg	10/20/25 15:47	PB170162
53469-21-9	Aroclor-1242	61.9		1	6.00	25.4	ug/kg	10/20/25 15:47	PB170162
12672-29-6	Aroclor-1248	25.4	U	1	8.90	25.4	ug/kg	10/20/25 15:47	PB170162
11097-69-1	Aroclor-1254	25.3	J	1	4.80	25.4	ug/kg	10/20/25 15:47	PB170162
37324-23-5	Aroclor-1262	25.4	U	1	7.50	25.4	ug/kg	10/20/25 15:47	PB170162
11100-14-4	Aroclor-1268	25.4	U	1	5.40	25.4	ug/kg	10/20/25 15:47	PB170162
11096-82-5	Aroclor-1260	25.4	U	1	4.80	25.4	ug/kg	10/20/25 15:47	PB170162
SURROGATES									
877-09-8	Tetrachloro-m-xylene	20.1			32 - 144	100%	SPK: 20		
2051-24-3	Decachlorobiphenyl	18.3			32 - 175	92%	SPK: 20		

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

QC SUMMARY

Alliance TECHNICAL GROUP
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Surrogate Summary

SDG No.: Q3375

Client: AECOM

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PP075246.D	PIBLK-PP075246.D	Tetrachloro-m-xyl	1	20	19.9	100		60	140
		Decachlorobiphen	1	20	19.4	97		60	140
		Tetrachloro-m-xyl	2	20	17.9	90		60	140
		Decachlorobiphen	2	20	20.0	100		60	140
I.BLK-PP075872.D	PIBLK-PP075872.D	Tetrachloro-m-xyl	1	20	23.1	115		60	140
		Decachlorobiphen	1	20	20.6	103		60	140
		Tetrachloro-m-xyl	2	20	22.7	113		60	140
		Decachlorobiphen	2	20	22.0	110		60	140
Q3383-01MS	OR-03-101725MS	Tetrachloro-m-xyl	1	20	28.0	140		32	144
		Decachlorobiphen	1	20	22.4	112		32	175
		Tetrachloro-m-xyl	2	20	26.4	132		32	144
		Decachlorobiphen	2	20	22.4	112		32	175
Q3383-01MSD	OR-03-101725MSD	Tetrachloro-m-xyl	1	20	28.4	142		32	144
		Decachlorobiphen	1	20	21.8	109		32	175
		Tetrachloro-m-xyl	2	20	18.9	95		32	144
		Decachlorobiphen	2	20	21.3	107		32	175
I.BLK-PP075885.D	PIBLK-PP075885.D	Tetrachloro-m-xyl	1	20	22.7	114		60	140
		Decachlorobiphen	1	20	20.0	100		60	140
		Tetrachloro-m-xyl	2	20	23.5	117		60	140
		Decachlorobiphen	2	20	20.9	104		60	140
I.BLK-PQ070972.D	PIBLK-PQ070972.D	Tetrachloro-m-xyl	1	20	18.3	91		60	140
		Decachlorobiphen	1	20	19.0	95		60	140
		Tetrachloro-m-xyl	2	20	19.1	96		60	140
		Decachlorobiphen	2	20	19.4	97		60	140
I.BLK-PQ071012.D	PIBLK-PQ071012.D	Tetrachloro-m-xyl	1	20	18.7	94		60	140
		Decachlorobiphen	1	20	22.1	111		60	140
		Tetrachloro-m-xyl	2	20	18.9	95		60	140
		Decachlorobiphen	2	20	22.0	110		60	140
PB170162BL	PB170162BL	Tetrachloro-m-xyl	1	20	21.7	108		32	144
		Decachlorobiphen	1	20	25.1	126		32	175
		Tetrachloro-m-xyl	2	20	21.6	108		32	144
		Decachlorobiphen	2	20	24.8	124		32	175
PB170162BS	PB170162BS	Tetrachloro-m-xyl	1	20	24.0	120		32	144
		Decachlorobiphen	1	20	27.3	137		32	175
		Tetrachloro-m-xyl	2	20	22.5	113		32	144
		Decachlorobiphen	2	20	27.3	137		32	175
Q3375-01	PR132-S02-074099-20251016	Tetrachloro-m-xyl	1	20	20.3	102		32	144
		Decachlorobiphen	1	20	15.7	78		32	175
		Tetrachloro-m-xyl	2	20	21.0	105		32	144
		Decachlorobiphen	2	20	15.1	75		32	175
Q3375-02	PR132-S04-000013-20251016	Tetrachloro-m-xyl	1	20	22.8	114		32	144

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Surrogate Summary

SDG No.: Q3375

Client: AECOM

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
Q3375-02	PR132-S04-000013-20251016	Decachlorobiphen	1	20	16.4	82		32	175
		Tetrachloro-m-xyl	2	20	23.8	119		32	144
		Decachlorobiphen	2	20	16.5	83		32	175
Q3375-03	PR132-S05-000057-20251016	Tetrachloro-m-xyl	1	20	18.0	90		32	144
		Decachlorobiphen	1	20	17.0	85		32	175
		Tetrachloro-m-xyl	2	20	18.5	92		32	144
		Decachlorobiphen	2	20	16.8	84		32	175
Q3375-04	PR132-S02-010074-20251016	Tetrachloro-m-xyl	1	20	21.2	106		32	144
		Decachlorobiphen	1	20	18.6	93		32	175
		Tetrachloro-m-xyl	2	20	21.5	108		32	144
		Decachlorobiphen	2	20	18.3	92		32	175
Q3375-05	PR132-DP02-20251016	Tetrachloro-m-xyl	1	20	20.1	100		32	144
		Decachlorobiphen	1	20	18.3	92		32	175
		Tetrachloro-m-xyl	2	20	19.8	99		32	144
		Decachlorobiphen	2	20	17.8	89		32	175
I.BLK-PQ071027.D	PIBLK-PQ071027.D	Tetrachloro-m-xyl	1	20	19.6	98		60	140
		Decachlorobiphen	1	20	22.6	113		60	140
		Tetrachloro-m-xyl	2	20	19.7	98		60	140
		Decachlorobiphen	2	20	22.3	111		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** 8082A

Client: AECOM **DataFile :** PP075879.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q3383-01MS (Column 1)**	**Client Sample ID:**		**OR-03-101725MS**								
	AR1016	180.7	0	189	ug/kg	105				55	146	
	AR1260	180.7	0	184	ug/kg	102				54	119	
Lab Sample ID:	**Q3383-01MS (Column 2)**	**Client Sample ID:**		**OR-03-101725MS**								
	AR1016	180.7	0	260	ug/kg	144				55	146	
	AR1260	180.7	0	173	ug/kg	96				54	119	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** 8082A

Client: AECOM **DataFile :** PP075880.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3383-01MSD (Column 1)**	**Client Sample ID:**		**OR-03-101725MSD**								
	AR1016	180.7	0	187	ug/kg	103		2		55	146	15
	AR1260	180.7	0	177	ug/kg	98		4		54	119	15
Lab Sample ID:	**Q3383-01MSD (Column 2)**	**Client Sample ID:**		**OR-03-101725MSD**								
	AR1016	180.7	0	244	ug/kg	135		6		55	146	15
	AR1260	180.7	0	167	ug/kg	92		4		54	119	15

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** 8082A

Client: AECOM **Datafile :** PQ071014.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170162BS (Column 1)	AR1016	166.5	172	ug/kg	103				71	120	
	AR1260	166.5	165	ug/kg	99				65	130	
PB170162BS (Column 2)	AR1016	166.5	153	ug/kg	92				71	120	
	AR1260	166.5	151	ug/kg	91				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB170162BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3375

Lab Sample ID: PB170162BL | Lab File ID: PQ071013.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 10/20/2025

Date Analyzed (1): 10/20/2025 | Date Analyzed (2): 10/20/2025

Time Analyzed (1): 13:20 | Time Analyzed (2): 13:20

Instrument ID (1): ECD_Q | Instrument ID (2): ECD_Q

GC Column (1): ZB-MR1 ID: 0.32 (mm) | GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
OR-03-101725MS	Q3383-01MS	PP075879.D	10/20/2025	10/20/2025
OR-03-101725MSD	Q3383-01MSD	PP075880.D	10/20/2025	10/20/2025
PB170162BS	PB170162BS	PQ071014.D	10/20/2025	10/20/2025
PR132-S02-074099-20251016	Q3375-01	PQ071017.D	10/20/2025	10/20/2025
PR132-S04-000013-20251016	Q3375-02	PQ071018.D	10/20/2025	10/20/2025
PR132-S05-000057-20251016	Q3375-03	PQ071019.D	10/20/2025	10/20/2025
PR132-S02-010074-20251016	Q3375-04	PQ071020.D	10/20/2025	10/20/2025
PR132-DP02-20251016	Q3375-05	PQ071021.D	10/20/2025	10/20/2025

COMMENTS:

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Instrument ID: ECD_P **Calibration Date(s):** 09/23/2025 09/23/2025

Calibration Times: 08:45 17:14

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP075247.D RT 750 = PP075248.D

RT 500 = PP075249.D RT 250 = PP075250.D RT 050 = PP075251.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.81	5.81	5.81	5.81	5.82	5.81	5.71	5.91
Aroclor-1016-2	(2)	5.83	5.83	5.83	5.83	5.84	5.83	5.73	5.93
Aroclor-1016-3	(3)	5.89	5.90	5.89	5.89	5.90	5.89	5.79	5.99
Aroclor-1016-4	(4)	5.99	5.99	5.99	5.99	6.00	5.99	5.89	6.09
Aroclor-1016-5	(5)	6.28	6.29	6.28	6.28	6.29	6.28	6.18	6.38
Aroclor-1260-1	(1)	7.40	7.40	7.40	7.40	7.41	7.40	7.30	7.50
Aroclor-1260-2	(2)	7.65	7.66	7.65	7.65	7.66	7.65	7.55	7.75
Aroclor-1260-3	(3)	8.01	8.01	8.01	8.01	8.02	8.01	7.91	8.11
Aroclor-1260-4	(4)	8.24	8.24	8.24	8.24	8.25	8.24	8.14	8.34
Aroclor-1260-5	(5)	8.56	8.57	8.56	8.56	8.57	8.57	8.47	8.67
Decachlorobiphenyl		10.43	10.44	10.43	10.43	10.45	10.44	10.34	10.54
Tetrachloro-m-xylene		4.65	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1242-1	(1)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1242-2	(2)	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1242-3	(3)	5.90	5.89	5.90	5.90	5.90	5.90	5.80	6.00
Aroclor-1242-4	(4)	5.99	5.99	5.99	5.99	5.99	5.99	5.89	6.09
Aroclor-1242-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		10.44	10.44	10.44	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1248-1	(1)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1248-2	(2)	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Aroclor-1248-3	(3)	6.28	6.28	6.29	6.28	6.28	6.28	6.18	6.38
Aroclor-1248-4	(4)	6.68	6.68	6.68	6.68	6.68	6.68	6.58	6.78
Aroclor-1248-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		10.43	10.44	10.44	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1254-1	(1)	6.66	6.66	6.66	6.66	6.66	6.66	6.56	6.76
Aroclor-1254-2	(2)	6.88	6.87	6.88	6.88	6.87	6.87	6.77	6.97
Aroclor-1254-3	(3)	7.24	7.24	7.24	7.24	7.23	7.24	7.14	7.34
Aroclor-1254-4	(4)	7.52	7.52	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1254-5	(5)	7.94	7.93	7.94	7.94	7.93	7.93	7.83	8.03
Decachlorobiphenyl		10.44	10.44	10.44	10.44	10.43	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1268-1	(1)	8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
Aroclor-1268-2	(2)	8.99	8.99	8.99	8.98	8.98	8.99	8.89	9.09
Aroclor-1268-3	(3)	9.23	9.23	9.23	9.23	9.22	9.23	9.13	9.33
Aroclor-1268-4	(4)	9.66	9.66	9.66	9.65	9.65	9.65	9.55	9.75
Aroclor-1268-5	(5)	10.09	10.09	10.09	10.09	10.08	10.09	9.99	10.19

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.44	10.44	10.44	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene	4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Instrument ID: ECD_P **Calibration Date(s):** 09/23/2025 09/23/2025

Calibration Times: 08:45 17:14

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP075247.D RT 750 = PP075248.D

RT 500 = PP075249.D RT 250 = PP075250.D RT 050 = PP075251.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.90	4.89	4.89	4.89	4.90	4.90	4.80	5.00
Aroclor-1016-2	(2)	4.95	4.95	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1016-3	(3)	5.07	5.07	5.07	5.07	5.07	5.07	4.97	5.17
Aroclor-1016-4	(4)	5.11	5.11	5.11	5.11	5.12	5.11	5.01	5.21
Aroclor-1016-5	(5)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1260-1	(1)	6.36	6.36	6.36	6.35	6.36	6.36	6.26	6.46
Aroclor-1260-2	(2)	6.54	6.54	6.54	6.54	6.55	6.54	6.44	6.64
Aroclor-1260-3	(3)	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
Aroclor-1260-4	(4)	7.17	7.17	7.17	7.16	7.17	7.17	7.07	7.27
Aroclor-1260-5	(5)	7.41	7.40	7.40	7.40	7.41	7.41	7.31	7.51
Decachlorobiphenyl		8.81	8.80	8.80	8.80	8.81	8.81	8.71	8.91
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1242-1	(1)	4.90	4.90	4.90	4.89	4.89	4.90	4.80	5.00
Aroclor-1242-2	(2)	4.95	4.96	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1242-3	(3)	5.07	5.07	5.07	5.07	5.08	5.07	4.97	5.17
Aroclor-1242-4	(4)	5.16	5.16	5.16	5.15	5.16	5.16	5.06	5.26
Aroclor-1242-5	(5)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Decachlorobiphenyl		8.81	8.81	8.81	8.81	8.80	8.81	8.71	8.91
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1248-1	(1)	4.89	4.90	4.89	4.90	4.90	4.90	4.80	5.00
Aroclor-1248-2	(2)	5.11	5.12	5.11	5.12	5.11	5.11	5.01	5.21
Aroclor-1248-3	(3)	5.15	5.16	5.15	5.16	5.15	5.16	5.06	5.26
Aroclor-1248-4	(4)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1248-5	(5)	5.72	5.72	5.71	5.72	5.73	5.72	5.62	5.82
Decachlorobiphenyl		8.80	8.81	8.80	8.81	8.80	8.81	8.71	8.91
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1254-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1254-2	(2)	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1254-3	(3)	6.23	6.23	6.23	6.23	6.23	6.23	6.13	6.33
Aroclor-1254-4	(4)	6.45	6.45	6.46	6.45	6.45	6.45	6.35	6.55
Aroclor-1254-5	(5)	6.87	6.87	6.87	6.87	6.87	6.87	6.77	6.97
Decachlorobiphenyl		8.81	8.81	8.81	8.81	8.81	8.81	8.71	8.91
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1268-1	(1)	7.69	7.69	7.69	7.69	7.69	7.69	7.59	7.79
Aroclor-1268-2	(2)	7.75	7.75	7.75	7.75	7.75	7.75	7.65	7.85
Aroclor-1268-3	(3)	7.96	7.96	7.96	7.96	7.96	7.96	7.86	8.06
Aroclor-1268-4	(4)	8.25	8.25	8.25	8.25	8.25	8.25	8.15	8.35
Aroclor-1268-5	(5)	8.55	8.55	8.55	8.54	8.54	8.54	8.44	8.64

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.81	8.81	8.81	8.80	8.81	8.81	8.71	8.91
Tetrachloro-m-xylene	3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: AECO02
SDG NO.: Q3375
Calibration Date(s): 09/23/2025 09/23/2025
Calibration Times: 08:45 17:14

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PP075247.D CF 750 = PP075248.D
CF 500 = PP075249.D CF 250 = PP075250.D CF 050 = PP075251.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	42347817	45007967	46870170	50153844	56144100	48104780	11
Aroclor-1016-2	(2)	64402738	67720917	69660408	74265036	82593880	71728596	10
Aroclor-1016-3	(3)	39431965	41872236	43807668	47351972	60190040	46530776	18
Aroclor-1016-4	(4)	32893250	34833364	35556514	38336304	36563880	35636662	6
Aroclor-1016-5	(5)	31586228	33455985	34268374	37039376	32256580	33721309	6
Aroclor-1260-1	(1)	52823399	56388379	60551008	64105520	66729180	60119497	9
Aroclor-1260-2	(2)	63303692	67485644	69648556	75704048	87848060	72798000	13
Aroclor-1260-3	(3)	48177125	50964003	52841238	56234364	62508960	54145138	10
Aroclor-1260-4	(4)	52102929	55158468	56921418	59245152	59257840	56537161	5
Aroclor-1260-5	(5)	102126116	107524053	110369268	115809508	113212520	109808293	5
Decachlorobiphenyl		920246130	962712813	986576680	1032362440	1085842800	997548173	6
Tetrachloro-m-xylene		1241637260	1308534467	1312330580	1382545720	1297359400	1308481485	4
Aroclor-1242-1	(1)	36886529	39218005	41223848	44446876	46523260	41659704	9
Aroclor-1242-2	(2)	55040068	57977600	60249464	64089044	60830740	59637383	6
Aroclor-1242-3	(3)	34279044	36622237	38652038	41896284	50681480	40426217	16
Aroclor-1242-4	(4)	28461551	29972721	31322910	33558448	33854640	31434054	7
Aroclor-1242-5	(5)	31568865	33442463	35656256	39523980	35586800	35155673	8
Decachlorobiphenyl		926627030	968517160	1003394580	1047152200	937997000	976737594	5
Tetrachloro-m-xylene		1236238500	1295575613	1320312660	1382228640	1251655600	1297202203	4
Aroclor-1248-1	(1)	29172565	31397577	32249970	33755340	31223340	31559758	5
Aroclor-1248-2	(2)	39359802	41783284	43459792	45079104	47158200	43368036	7
Aroclor-1248-3	(3)	44196144	46704360	48478236	50173996	49240700	47758687	5
Aroclor-1248-4	(4)	53562132	56623921	59266248	61341900	64765060	59111852	7
Aroclor-1248-5	(5)	51867384	54812452	57671502	61547912	69597980	59099446	12
Decachlorobiphenyl		936214370	980173387	1009425800	1018487400	982414600	985343111	3
Tetrachloro-m-xylene		1235222620	1285172653	1318552840	1328682760	1313272800	1296180735	3
Aroclor-1254-1	(1)	61475917	62734304	65986682	62998532	67924500	64223987	4
Aroclor-1254-2	(2)	77552440	82328021	86739650	88146820	94902000	85933786	8
Aroclor-1254-3	(3)	82845377	87949261	92224268	94074964	105017660	92422306	9
Aroclor-1254-4	(4)	64880438	68693089	72666206	72469616	78036900	71349250	7
Aroclor-1254-5	(5)	77310574	81941501	85874638	85948608	77961320	81807328	5
Decachlorobiphenyl		940196120	995283773	1040085460	1002732880	956220600	986903767	4
Tetrachloro-m-xylene		1243265480	1304021133	1335815700	1326930840	1339353000	1309877231	3
Aroclor-1268-1	(1)	152883178	159692704	169160672	171922300	156133040	161958379	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	141133811	146979519	155825750	156513748	141348060	148360178	5
Aroclor-1268-3	(3)	118887581	123478560	131058116	130049472	116969640	124088674	5
Aroclor-1268-4	(4)	55874289	58464284	61978114	60989252	60829860	59627160	4
Aroclor-1268-5	(5)	373677572	388367939	407123198	405183456	366620440	388194521	5
Decachlorobiphenyl		1657406580	1735675800	1838831580	1851125440	1610932200	1738794320	6
Tetrachloro-m-xylene		1279137450	1334222493	1390576680	1375184440	1232599000	1322344013	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: AECO02
SDG NO.: Q3375
Calibration Date(s): 09/23/2025 09/23/2025
Calibration Times: 08:45 17:14

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PP075247.D CF 750 = PP075248.D
CF 500 = PP075249.D CF 250 = PP075250.D CF 050 = PP075251.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	550669557	575041595	570968608	557638892	550748680	561013466	2
Aroclor-1016-2	(2)	253692272	266987116	261503738	252594292	250233300	257002144	3
Aroclor-1016-3	(3)	139883237	146298759	147016140	140568364	202575320	155268364	17
Aroclor-1016-4	(4)	139175266	149989423	152767546	146969012	145938660	146967981	3
Aroclor-1016-5	(5)	157135257	166127832	167159970	171673236	154814600	163382179	4
Aroclor-1260-1	(1)	389924896	398807288	400126940	426602072	414215600	405935359	4
Aroclor-1260-2	(2)	565343775	583502056	582903442	580470456	566929720	575829890	2
Aroclor-1260-3	(3)	422351862	433041807	427033404	426203564	431794540	428085035	1
Aroclor-1260-4	(4)	428778820	432299260	434882920	423190072	436968900	431223994	1
Aroclor-1260-5	(5)	1056009939	1104491933	1106785704	1094138908	898515660	1051988429	8
Decachlorobiphenyl		6122260390	6260409867	6205942400	6354732320	5219165200	6032502035	8
Tetrachloro-m-xylene		6636388100	6400989987	6258078260	6278037480	4930931000	6100884965	11
Aroclor-1242-1	(1)	472236904	485846165	486239260	487321948	403955360	467119927	8
Aroclor-1242-2	(2)	217510086	216447451	216513930	219383960	174933800	208957845	9
Aroclor-1242-3	(3)	123250580	122980740	121647250	125144732	116794760	121963612	3
Aroclor-1242-4	(4)	159270704	162580923	163635768	175639772	134330060	159091445	10
Aroclor-1242-5	(5)	192075351	196719551	194226854	201700156	188695940	194683570	3
Decachlorobiphenyl		6210283890	6223405693	6336701840	6098511680	5039253200	5981631261	9
Tetrachloro-m-xylene		6371057840	6261042827	6076223420	6032393800	4834060000	5914955577	10
Aroclor-1248-1	(1)	313001525	314287516	316712298	313219832	245110400	300466314	10
Aroclor-1248-2	(2)	194621063	204942157	200519274	206042640	206270120	202479051	2
Aroclor-1248-3	(3)	238833016	244338553	263622092	258775616	243161480	249746151	4
Aroclor-1248-4	(4)	233390044	236006324	231247510	230022068	233051700	232743529	1
Aroclor-1248-5	(5)	417516536	433645501	453462226	437040196	301192600	408571412	15
Decachlorobiphenyl		6280619880	6334319187	6392002300	6030990520	5377561400	6083098657	7
Tetrachloro-m-xylene		6342135760	6351132560	6173502940	5553544360	4399164000	5763895924	14
Aroclor-1254-1	(1)	503004292	535011767	531987056	521951800	402057780	498802539	11
Aroclor-1254-2	(2)	378219544	403583375	399300676	392234176	422583680	399184290	4
Aroclor-1254-3	(3)	715208754	722755991	718569236	662347256	504737840	664723815	14
Aroclor-1254-4	(4)	505627774	538597859	544931308	492275784	386803020	493647149	13
Aroclor-1254-5	(5)	551845651	631515513	645579268	578311224	446211920	570692715	14
Decachlorobiphenyl		6237706050	6279124973	6507474640	6157241280	5410407600	6118390909	7
Tetrachloro-m-xylene		6240840860	6469002347	6413333980	5502278160	4576318000	5840354669	14
Aroclor-1268-1	(1)	1460168699	1513699808	1559348234	1460709316	1219243940	1442633999	9

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1471677824	1500245056	1520481630	1382554016	1099105140	1394812733	12
Aroclor-1268-3	(3)	1142468076	1153335345	1195510260	1093929288	869367940	1090922182	12
Aroclor-1268-4	(4)	470517486	472924412	482908940	460922856	362513880	449957515	11
Aroclor-1268-5	(5)	3043336629	3184766664	3278330982	3285110680	2399968480	3038302687	12
Decachlorobiphenyl		12094690940	12187875973	12233092380	12124440600	9791304400	11686280859	9
Tetrachloro-m-xylene		6567329620	6628773733	6640722000	6057317560	4103278800	5999484343	18

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Instrument ID: ECD_P **Date(s) Analyzed:** 09/23/2025 09/23/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.86	4.76	4.96	18490700
		2	4.95	4.85	5.05	13697900
		3	5.02	4.92	5.12	41397800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.02	4.92	5.12	32115600
		2	5.54	5.44	5.64	16774900
		3	5.83	5.73	5.93	33440800
		4	5.99	5.89	6.09	17299100
		5	6.08	5.98	6.18	12004400
Aroclor-1262	500	1	8.24	8.14	8.34	75955200
		2	8.57	8.47	8.67	135361000
		3	8.90	8.80	9.00	93451000
		4	8.98	8.88	9.08	72237200
		5	9.66	9.56	9.76	52135400

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Instrument ID: ECD_P **Date(s) Analyzed:** 09/23/2025 09/23/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.01	3.91	4.11	76477600
		2	4.09	3.99	4.19	52263200
		3	4.17	4.07	4.27	190406000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.17	4.07	4.27	146566000
		2	4.89	4.79	4.99	252198000
		3	5.07	4.97	5.17	63015000
		4	5.15	5.05	5.25	103164000
		5	5.33	5.23	5.43	64046600
Aroclor-1262	500	1	6.91	6.81	7.01	791116000
		2	7.17	7.07	7.27	552368000
		3	7.69	7.59	7.79	499974000
		4	7.75	7.65	7.85	908084000
		5	8.25	8.15	8.35	429906000

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Instrument ID: ECD_Q **Calibration Date(s):** 10/10/2025 10/10/2025

Calibration Times: 08:57 16:43

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PQ070973.D RT 750 = PQ070974.D

RT 500 = PQ070975.D RT 250 = PQ070976.D RT 050 = PQ070977.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.48	4.48	4.48	4.48	4.48	4.48	4.38	4.58
Aroclor-1016-2	(2)	4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1016-3	(3)	4.56	4.56	4.56	4.56	4.56	4.56	4.46	4.66
Aroclor-1016-4	(4)	4.65	4.65	4.65	4.65	4.65	4.65	4.55	4.75
Aroclor-1016-5	(5)	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Aroclor-1260-1	(1)	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
Aroclor-1260-2	(2)	6.28	6.28	6.28	6.28	6.27	6.28	6.18	6.38
Aroclor-1260-3	(3)	6.63	6.63	6.63	6.63	6.63	6.63	6.53	6.73
Aroclor-1260-4	(4)	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
Aroclor-1260-5	(5)	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Decachlorobiphenyl		8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60
Tetrachloro-m-xylene		3.40	3.40	3.40	3.40	3.40	3.40	3.30	3.50
Aroclor-1242-1	(1)	4.48	4.48	4.48	4.48	4.48	4.48	4.38	4.58
Aroclor-1242-2	(2)	4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1242-3	(3)	4.56	4.56	4.56	4.56	4.56	4.56	4.46	4.66
Aroclor-1242-4	(4)	4.65	4.65	4.65	4.65	4.65	4.65	4.55	4.75
Aroclor-1242-5	(5)	5.35	5.35	5.35	5.35	5.32	5.34	5.24	5.44
Decachlorobiphenyl		8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60
Tetrachloro-m-xylene		3.40	3.40	3.40	3.40	3.40	3.40	3.30	3.50
Aroclor-1248-1	(1)	4.48	4.48	4.48	4.48	4.48	4.48	4.38	4.58
Aroclor-1248-2	(2)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1248-3	(3)	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Aroclor-1248-4	(4)	5.32	5.32	5.32	5.32	5.32	5.32	5.22	5.42
Aroclor-1248-5	(5)	5.35	5.35	5.35	5.35	5.35	5.35	5.25	5.45
Decachlorobiphenyl		8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60
Tetrachloro-m-xylene		3.40	3.40	3.40	3.40	3.40	3.40	3.30	3.50
Aroclor-1254-1	(1)	5.29	5.29	5.29	5.29	5.29	5.29	5.19	5.39
Aroclor-1254-2	(2)	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Aroclor-1254-3	(3)	5.86	5.85	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1254-4	(4)	6.14	6.13	6.14	6.14	6.14	6.14	6.04	6.24
Aroclor-1254-5	(5)	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Decachlorobiphenyl		8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60
Tetrachloro-m-xylene		3.40	3.40	3.40	3.40	3.40	3.40	3.30	3.50
Aroclor-1268-1	(1)	7.42	7.42	7.42	7.42	7.42	7.42	7.32	7.52
Aroclor-1268-2	(2)	7.49	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Aroclor-1268-3	(3)	7.68	7.68	7.68	7.68	7.68	7.68	7.58	7.78
Aroclor-1268-4	(4)	7.99	7.99	7.99	7.99	7.99	7.99	7.89	8.09
Aroclor-1268-5	(5)	8.27	8.27	8.27	8.27	8.27	8.27	8.17	8.37

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60
Tetrachloro-m-xylene	3.40	3.40	3.40	3.40	3.40	3.40	3.30	3.50

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Instrument ID: ECD_Q **Calibration Date(s):** 10/10/2025 10/10/2025

Calibration Times: 08:57 16:43

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PQ070973.D RT 750 = PQ070974.D

RT 500 = PQ070975.D RT 250 = PQ070976.D RT 050 = PQ070977.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1016-2	(2)	3.79	3.79	3.79	3.79	3.79	3.79	3.69	3.89
Aroclor-1016-3	(3)	3.95	3.95	3.95	3.95	3.95	3.95	3.85	4.05
Aroclor-1016-4	(4)	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
Aroclor-1016-5	(5)	4.20	4.20	4.20	4.20	4.20	4.20	4.10	4.30
Aroclor-1260-1	(1)	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
Aroclor-1260-2	(2)	5.38	5.38	5.38	5.38	5.38	5.38	5.28	5.48
Aroclor-1260-3	(3)	5.52	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Aroclor-1260-4	(4)	5.98	5.98	5.98	5.98	5.98	5.98	5.88	6.08
Aroclor-1260-5	(5)	6.22	6.22	6.22	6.22	6.22	6.22	6.12	6.32
Decachlorobiphenyl		7.53	7.53	7.53	7.53	7.53	7.53	7.43	7.63
Tetrachloro-m-xylene		2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88
Aroclor-1242-1	(1)	3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1242-2	(2)	3.79	3.79	3.79	3.79	3.79	3.79	3.69	3.89
Aroclor-1242-3	(3)	3.95	3.95	3.95	3.95	3.95	3.95	3.85	4.05
Aroclor-1242-4	(4)	4.04	4.04	4.04	4.04	4.04	4.04	3.94	4.14
Aroclor-1242-5	(5)	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Decachlorobiphenyl		7.53	7.53	7.53	7.53	7.53	7.53	7.43	7.63
Tetrachloro-m-xylene		2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88
Aroclor-1248-1	(1)	3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1248-2	(2)	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
Aroclor-1248-3	(3)	4.04	4.04	4.04	4.04	4.04	4.04	3.94	4.14
Aroclor-1248-4	(4)	4.20	4.20	4.20	4.20	4.20	4.20	4.10	4.30
Aroclor-1248-5	(5)	4.57	4.57	4.57	4.57	4.57	4.57	4.47	4.67
Decachlorobiphenyl		7.53	7.53	7.53	7.53	7.53	7.53	7.43	7.63
Tetrachloro-m-xylene		2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88
Aroclor-1254-1	(1)	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Aroclor-1254-2	(2)	4.68	4.68	4.68	4.68	4.68	4.68	4.58	4.78
Aroclor-1254-3	(3)	5.06	5.06	5.06	5.06	5.06	5.06	4.96	5.16
Aroclor-1254-4	(4)	5.29	5.29	5.29	5.29	5.29	5.29	5.19	5.39
Aroclor-1254-5	(5)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Decachlorobiphenyl		7.53	7.53	7.53	7.53	7.53	7.53	7.43	7.63
Tetrachloro-m-xylene		2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88
Aroclor-1268-1	(1)	6.50	6.50	6.50	6.50	6.50	6.50	6.40	6.60
Aroclor-1268-2	(2)	6.56	6.56	6.56	6.56	6.56	6.56	6.46	6.66
Aroclor-1268-3	(3)	6.76	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Aroclor-1268-4	(4)	7.05	7.05	7.05	7.05	7.05	7.05	6.95	7.15
Aroclor-1268-5	(5)	7.32	7.32	7.32	7.32	7.32	7.32	7.22	7.42

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	7.53	7.53	7.53	7.53	7.53	7.53	7.43	7.63
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Instrument ID: ECD_Q **Calibration Date(s):** 10/10/2025 10/10/2025

Calibration Times: 08:57 16:43

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: **CF 1000 =** PQ070973.D **CF 750 =** PQ070974.D

CF 500 = PQ070975.D **CF 250 =** PQ070976.D **CF 050 =** PQ070977.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	152632258	161381460	169566884	175492100	161647220	164143984	5
Aroclor-1016-2	(2)	235274296	256838307	264605432	271518004	253235720	256294352	5
Aroclor-1016-3	(3)	145675938	156782704	164416996	169596776	159119400	159118363	6
Aroclor-1016-4	(4)	120162951	129378400	134848252	138303760	126953020	129929277	5
Aroclor-1016-5	(5)	117231883	128545740	133336348	136306768	128593380	128802824	6
Aroclor-1260-1	(1)	208928914	234195365	241877518	247859876	239493660	234471067	6
Aroclor-1260-2	(2)	243695794	275266251	287710272	296720404	279652200	276608984	7
Aroclor-1260-3	(3)	178017013	196424459	204653606	209590628	207855920	199308325	6
Aroclor-1260-4	(4)	191556315	214263107	223690164	228814336	216092480	214883280	7
Aroclor-1260-5	(5)	400986941	436898331	447507618	451939420	431553500	433777162	5
Decachlorobiphenyl		2603997920	2888430733	3017037660	3097201720	2913248400	2903983287	6
Tetrachloro-m-xylene		4048991050	4420325093	4447782420	4497118040	4337178200	4350278961	4
Aroclor-1242-1	(1)	117929900	120501580	121917368	124177888	110233240	118951995	5
Aroclor-1242-2	(2)	179238730	188762288	194471730	197719720	193371880	190712870	4
Aroclor-1242-3	(3)	111298009	117265485	120728326	123754708	121434700	118896246	4
Aroclor-1242-4	(4)	91702396	97376287	98944784	101196952	108558560	99555796	6
Aroclor-1242-5	(5)	63322787	67097277	82718820	102665812	77804800	78721899	20
Decachlorobiphenyl		3082568640	3243406933	3352805760	3359769360	3286790800	3265068299	3
Tetrachloro-m-xylene		4441893010	4577290613	4623065280	4605855840	4702516200	4590124189	2
Aroclor-1248-1	(1)	89951061	92802913	99278242	97399904	67891380	89464700	14
Aroclor-1248-2	(2)	126849870	131764987	138900528	142257364	142462060	136446962	5
Aroclor-1248-3	(3)	152980867	157544657	166146850	167481096	162764480	161383590	4
Aroclor-1248-4	(4)	167077290	173126060	182827440	186713196	157721500	173493097	7
Aroclor-1248-5	(5)	163667698	168136284	132211082	121389384	159185140	148917918	14
Decachlorobiphenyl		3177348440	3248518907	3402766540	3434790520	3353916400	3323468161	3
Tetrachloro-m-xylene		4546508980	4599154480	4739413180	4685828360	4518221600	4617825320	2
Aroclor-1254-1	(1)	186317660	198212097	200308250	222421948	174131700	196278331	9
Aroclor-1254-2	(2)	272465681	301191412	300558232	318683640	259516480	290483089	8
Aroclor-1254-3	(3)	294493285	320137152	318530722	335107472	267769020	307207530	9
Aroclor-1254-4	(4)	212636724	232647637	229798130	237628972	184991000	219540493	10
Aroclor-1254-5	(5)	229095618	241104957	242576814	249415576	197285560	231895705	9
Decachlorobiphenyl		3135993520	3237057933	3300114540	3432442200	2724290800	3165979799	9
Tetrachloro-m-xylene		4449551480	4584042107	4604497820	4625575480	3701892800	4393111937	9
Aroclor-1268-1	(1)	555593291	572438855	583365466	598015136	603747960	582632142	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	510325576	524057337	534075228	546100468	539884140	530888550	3
Aroclor-1268-3	(3)	416538407	427532203	436646098	443325192	442459640	433300308	3
Aroclor-1268-4	(4)	179373252	185531188	189624920	193669728	190155160	187670850	3
Aroclor-1268-5	(5)	1283167757	1308010297	1321380362	1326514116	1318957680	1311606042	1
Decachlorobiphenyl		5757514290	5913646120	6037365900	6192444040	6223042400	6024802550	3
Tetrachloro-m-xylene		4734874420	4871269707	4916225920	4964521920	4932484000	4883875193	2

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_Q

Contract: AECO02
SDG NO.: Q3375
Calibration Date(s): 10/10/2025 10/10/2025
Calibration Times: 08:57 16:43

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PQ070973.D CF 750 = PQ070974.D
CF 500 = PQ070975.D CF 250 = PQ070976.D CF 050 = PQ070977.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	198094739	217218485	228189888	237783008	238723760	224001976	8
Aroclor-1016-2	(2)	306974778	336928535	345611618	359075648	352024660	340123048	6
Aroclor-1016-3	(3)	164197912	180535471	187035142	195263012	182262860	181858879	6
Aroclor-1016-4	(4)	139678855	154088441	161162796	170890484	161242760	157412667	7
Aroclor-1016-5	(5)	171310856	187991799	196963118	205633060	197310680	191841903	7
Aroclor-1260-1	(1)	322104344	352779140	365742242	382158164	379245720	360405922	7
Aroclor-1260-2	(2)	392921251	432078265	450339936	466790948	457838380	439993756	7
Aroclor-1260-3	(3)	374441100	409997701	423595070	436050024	430913160	414999411	6
Aroclor-1260-4	(4)	324169048	356082777	368301826	380117112	370143240	359762801	6
Aroclor-1260-5	(5)	773923407	822481391	873089514	880740576	851175200	840282018	5
Decachlorobiphenyl		4511855410	4959881947	5165429800	5359918520	5250729800	5049563095	7
Tetrachloro-m-xylene		4790824740	5183285133	5313707940	5302586120	4809696600	5080020107	5
Aroclor-1242-1	(1)	149120136	160366853	160219200	165386980	179219740	162862582	7
Aroclor-1242-2	(2)	228406508	237737935	244055020	248772624	247903320	241375081	4
Aroclor-1242-3	(3)	123267302	131780304	132089372	135429308	136535900	131820437	4
Aroclor-1242-4	(4)	107929318	113409847	120761922	128344628	102401880	114569519	9
Aroclor-1242-5	(5)	175313049	196019013	175387368	167275268	156704980	174139936	8
Decachlorobiphenyl		5194557400	5483323560	5616478880	5698756520	6104877800	5619598832	6
Tetrachloro-m-xylene		5511103540	5712989200	5725543240	5446452960	5436162600	5566450308	3
Aroclor-1248-1	(1)	118147108	120641916	127443132	132200888	134031720	126492953	6
Aroclor-1248-2	(2)	172958749	177705395	189325858	196101732	206725040	188563355	7
Aroclor-1248-3	(3)	167593672	172934769	178216680	182062792	197467520	179655087	6
Aroclor-1248-4	(4)	207432918	214191484	230649658	232116576	237264740	224331075	6
Aroclor-1248-5	(5)	211078475	216720032	243430792	250826296	242157620	232842643	8
Decachlorobiphenyl		5357284330	5460780160	5730809660	5844375240	6130897000	5704829278	5
Tetrachloro-m-xylene		5499268270	5571294053	5722936200	5664492400	5408993600	5573396905	2
Aroclor-1254-1	(1)	326099704	341297420	345505280	377987212	295169840	337211891	9
Aroclor-1254-2	(2)	283781194	302336180	304849560	326229636	268575420	297154398	7
Aroclor-1254-3	(3)	455841488	477545104	484627186	501619228	415693040	467065209	7
Aroclor-1254-4	(4)	291449906	303039177	308578712	317073776	256115840	295251482	8
Aroclor-1254-5	(5)	417470468	427079459	439495106	452352324	365350180	420349507	8
Decachlorobiphenyl		5360763820	5577066440	5716894620	5972893640	5256420800	5576807864	5
Tetrachloro-m-xylene		5311856950	5451428933	5484489360	5522984680	4238156400	5201783265	10
Aroclor-1268-1	(1)	931455367	961712979	973652708	974423320	1030986200	974446115	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	858872879	891158693	900594916	906701084	936258500	898717214	3
Aroclor-1268-3	(3)	746016914	769745548	779615614	791820108	821422560	781724149	4
Aroclor-1268-4	(4)	330162118	339473573	345636662	356393996	350955500	344524370	3
Aroclor-1268-5	(5)	2374681378	2422263161	2432472106	2427996872	2444443520	2420371407	1
Decachlorobiphenyl		10401085910	10736618840	10941521580	11269357960	11896046400	11048926138	5
Tetrachloro-m-xylene		5581659480	5729850200	5733063640	5828463760	5669436400	5708494696	2

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Instrument ID: ECD_Q **Date(s) Analyzed:** 10/10/2025 10/10/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.59	3.49	3.69	59190800
		2	3.67	3.57	3.77	43146800
		3	3.74	3.64	3.84	133548000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	3.74	3.64	3.84	108948000
		2	4.23	4.13	4.33	57502800
		3	4.50	4.40	4.60	107099000
		4	4.65	4.55	4.75	54014200
		5	4.79	4.69	4.89	43713200
Aroclor-1262	500	1	6.84	6.74	6.94	274018000
		2	7.15	7.05	7.25	498476000
		3	7.42	7.32	7.52	328660000
		4	7.49	7.39	7.59	252340000
		5	7.99	7.89	8.09	164350000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Instrument ID: ECD_Q **Date(s) Analyzed:** 10/10/2025 10/10/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	2.98	2.88	3.08	73819200
		2	3.05	2.95	3.15	60003200
		3	3.12	3.02	3.22	171184000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	3.12	3.02	3.22	139342000
		2	3.79	3.69	3.89	138900000
		3	3.95	3.85	4.05	73450200
		4	4.04	3.94	4.14	63034400
		5	4.20	4.10	4.30	71607200
Aroclor-1262	500	1	5.73	5.63	5.83	452486000
		2	5.98	5.88	6.08	427702000
		3	6.50	6.40	6.60	332708000
		4	6.56	6.46	6.66	616820000
		5	7.05	6.95	7.15	302986000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Continuing Calib Date: 10/20/2025 **Initial Calibration Date(s):** 09/23/2025 09/23/2025

Continuing Calib Time: 11:13 **Initial Calibration Time(s):** 08:45 17:14

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.81	5.81	5.71	5.91	0.00
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.89	5.89	5.79	5.99	0.00
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.65	7.65	7.55	7.75	0.00
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.00
Aroclor-1260-5	(5)	8.56	8.56	8.46	8.66	0.00
Tetrachloro-m-xylene		4.65	4.66	4.56	4.76	0.01
Decachlorobiphenyl		10.44	10.43	10.33	10.53	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Continuing Calib Date: 10/20/2025 **Initial Calibration Date(s):** 09/23/2025 09/23/2025

Continuing Calib Time: 11:13 **Initial Calibration Time(s):** 08:45 17:14

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.89	4.89	4.79	4.99	0.00
Aroclor-1016-2	(2)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-3	(3)	5.06	5.07	4.97	5.17	0.01
Aroclor-1016-4	(4)	5.10	5.11	5.01	5.21	0.01
Aroclor-1016-5	(5)	5.32	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.34	6.36	6.26	6.46	0.02
Aroclor-1260-2	(2)	6.53	6.54	6.44	6.64	0.01
Aroclor-1260-3	(3)	6.69	6.70	6.60	6.80	0.02
Aroclor-1260-4	(4)	7.15	7.17	7.07	7.27	0.02
Aroclor-1260-5	(5)	7.39	7.40	7.30	7.50	0.01
Tetrachloro-m-xylene		3.79	3.80	3.70	3.90	0.01
Decachlorobiphenyl		8.79	8.80	8.70	8.90	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/20/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP075868.D **Time Analyzed:** 11:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.806	5.708	5.908	472.530	500.000	-5.5
Aroclor-1016-2	5.827	5.729	5.929	502.350	500.000	0.5
Aroclor-1016-3	5.890	5.792	5.992	485.700	500.000	-2.9
Aroclor-1016-4	5.987	5.889	6.089	509.420	500.000	1.9
Aroclor-1016-5	6.279	6.181	6.381	520.380	500.000	4.1
Aroclor-1260-1	7.397	7.299	7.499	482.450	500.000	-3.5
Aroclor-1260-2	7.650	7.551	7.751	470.250	500.000	-6.0
Aroclor-1260-3	8.008	7.909	8.109	501.460	500.000	0.3
Aroclor-1260-4	8.236	8.137	8.337	492.140	500.000	-1.6
Aroclor-1260-5	8.563	8.464	8.664	502.900	500.000	0.6
Decachlorobiphenyl	10.435	10.334	10.534	40.440	50.000	-19.1
Tetrachloro-m-xylene	4.653	4.555	4.755	47.380	50.000	-5.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/20/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP075868.D **Time Analyzed:** 11:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.885	4.793	4.993	540.620	500.000	8.1
Aroclor-1016-2	4.941	4.851	5.051	571.750	500.000	14.4
Aroclor-1016-3	5.064	4.971	5.171	520.270	500.000	4.1
Aroclor-1016-4	5.101	5.011	5.211	573.190	500.000	14.6
Aroclor-1016-5	5.316	5.225	5.425	541.560	500.000	8.3
Aroclor-1260-1	6.344	6.255	6.455	542.970	500.000	8.6
Aroclor-1260-2	6.532	6.441	6.641	549.380	500.000	9.9
Aroclor-1260-3	6.685	6.595	6.795	527.020	500.000	5.4
Aroclor-1260-4	7.153	7.065	7.265	484.910	500.000	-3.0
Aroclor-1260-5	7.394	7.304	7.504	458.580	500.000	-8.3
Decachlorobiphenyl	8.791	8.703	8.903	43.820	50.000	-12.4
Tetrachloro-m-xylene	3.789	3.696	3.896	51.660	50.000	3.3

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Continuing Calib Date: 10/20/2025 **Initial Calibration Date(s):** 09/23/2025 09/23/2025

Continuing Calib Time: 16:20 **Initial Calibration Time(s):** 08:45 17:14

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.81	5.81	5.71	5.91	0.00
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.89	5.89	5.79	5.99	0.00
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.65	7.65	7.55	7.75	0.00
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.00
Aroclor-1260-5	(5)	8.56	8.56	8.46	8.66	0.00
Tetrachloro-m-xylene		4.65	4.66	4.56	4.76	0.01
Decachlorobiphenyl		10.43	10.43	10.33	10.53	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Continuing Calib Date: 10/20/2025 **Initial Calibration Date(s):** 09/23/2025 09/23/2025

Continuing Calib Time: 16:20 **Initial Calibration Time(s):** 08:45 17:14

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.89	4.89	4.79	4.99	0.00
Aroclor-1016-2	(2)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-5	(5)	5.32	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.35	6.36	6.26	6.46	0.01
Aroclor-1260-2	(2)	6.53	6.54	6.44	6.64	0.01
Aroclor-1260-3	(3)	6.69	6.70	6.60	6.80	0.01
Aroclor-1260-4	(4)	7.16	7.17	7.07	7.27	0.01
Aroclor-1260-5	(5)	7.40	7.40	7.30	7.50	0.00
Tetrachloro-m-xylene		3.79	3.80	3.70	3.90	0.01
Decachlorobiphenyl		8.79	8.80	8.70	8.90	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/20/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP075881.D **Time Analyzed:** 16:20

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.807	5.708	5.908	499.980	500.000	0.0
Aroclor-1016-2	5.828	5.729	5.929	503.740	500.000	0.7
Aroclor-1016-3	5.891	5.792	5.992	505.040	500.000	1.0
Aroclor-1016-4	5.988	5.889	6.089	527.610	500.000	5.5
Aroclor-1016-5	6.280	6.181	6.381	521.200	500.000	4.2
Aroclor-1260-1	7.398	7.299	7.499	464.050	500.000	-7.2
Aroclor-1260-2	7.651	7.551	7.751	450.930	500.000	-9.8
Aroclor-1260-3	8.009	7.909	8.109	475.600	500.000	-4.9
Aroclor-1260-4	8.238	8.137	8.337	484.630	500.000	-3.1
Aroclor-1260-5	8.563	8.464	8.664	488.580	500.000	-2.3
Decachlorobiphenyl	10.433	10.334	10.534	39.770	50.000	-20.5
Tetrachloro-m-xylene	4.653	4.555	4.755	46.220	50.000	-7.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/20/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP075881.D **Time Analyzed:** 16:20

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.888	4.793	4.993	580.620	500.000	16.1
Aroclor-1016-2	4.943	4.851	5.051	632.020	500.000	26.4
Aroclor-1016-3	5.065	4.971	5.171	570.020	500.000	14.0
Aroclor-1016-4	5.106	5.011	5.211	566.310	500.000	13.3
Aroclor-1016-5	5.320	5.225	5.425	555.760	500.000	11.2
Aroclor-1260-1	6.348	6.255	6.455	483.300	500.000	-3.3
Aroclor-1260-2	6.534	6.441	6.641	518.490	500.000	3.7
Aroclor-1260-3	6.688	6.595	6.795	495.820	500.000	-0.8
Aroclor-1260-4	7.157	7.065	7.265	428.480	500.000	-14.3
Aroclor-1260-5	7.397	7.304	7.504	417.660	500.000	-16.5
Decachlorobiphenyl	8.792	8.703	8.903	41.820	50.000	-16.4
Tetrachloro-m-xylene	3.791	3.696	3.896	53.080	50.000	6.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Continuing Calib Date: 10/20/2025 **Initial Calibration Date(s):** 10/10/2025 10/10/2025

Continuing Calib Time: 10:18 **Initial Calibration Time(s):** 08:57 16:43

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.49	4.48	4.38	4.58	-0.01
Aroclor-1016-2	(2)	4.51	4.50	4.40	4.60	-0.01
Aroclor-1016-3	(3)	4.57	4.56	4.46	4.66	-0.01
Aroclor-1016-4	(4)	4.66	4.65	4.55	4.75	-0.01
Aroclor-1016-5	(5)	4.94	4.93	4.83	5.03	-0.01
Aroclor-1260-1	(1)	6.03	6.02	5.92	6.12	-0.01
Aroclor-1260-2	(2)	6.29	6.28	6.18	6.38	-0.01
Aroclor-1260-3	(3)	6.64	6.63	6.53	6.73	-0.01
Aroclor-1260-4	(4)	6.85	6.84	6.74	6.94	-0.01
Aroclor-1260-5	(5)	7.16	7.15	7.05	7.25	-0.01
Tetrachloro-m-xylene		3.41	3.40	3.30	3.50	-0.01
Decachlorobiphenyl		8.51	8.50	8.40	8.60	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Continuing Calib Date: 10/20/2025 **Initial Calibration Date(s):** 10/10/2025 10/10/2025

Continuing Calib Time: 10:18 **Initial Calibration Time(s):** 08:57 16:43

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	3.78	3.78	3.68	3.88	0.00
Aroclor-1016-2	(2)	3.79	3.79	3.69	3.89	0.00
Aroclor-1016-3	(3)	3.95	3.95	3.85	4.05	0.00
Aroclor-1016-4	(4)	4.00	4.00	3.90	4.10	0.00
Aroclor-1016-5	(5)	4.20	4.20	4.10	4.30	0.00
Aroclor-1260-1	(1)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-2	(2)	5.38	5.38	5.28	5.48	0.00
Aroclor-1260-3	(3)	5.52	5.52	5.42	5.62	0.00
Aroclor-1260-4	(4)	5.98	5.98	5.88	6.08	0.00
Aroclor-1260-5	(5)	6.23	6.22	6.12	6.32	0.00
Tetrachloro-m-xylene		2.78	2.78	2.68	2.88	0.00
Decachlorobiphenyl		7.54	7.53	7.43	7.63	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/20/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071008.D **Time Analyzed:** 10:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.492	4.380	4.580	479.650	500.000	-4.1
Aroclor-1016-2	4.510	4.399	4.599	508.480	500.000	1.7
Aroclor-1016-3	4.567	4.456	4.656	536.740	500.000	7.3
Aroclor-1016-4	4.658	4.546	4.746	515.560	500.000	3.1
Aroclor-1016-5	4.942	4.831	5.031	511.360	500.000	2.3
Aroclor-1260-1	6.032	5.919	6.119	501.670	500.000	0.3
Aroclor-1260-2	6.288	6.175	6.375	472.070	500.000	-5.6
Aroclor-1260-3	6.638	6.526	6.726	523.450	500.000	4.7
Aroclor-1260-4	6.853	6.740	6.940	530.680	500.000	6.1
Aroclor-1260-5	7.158	7.045	7.245	493.240	500.000	-1.4
Decachlorobiphenyl	8.512	8.396	8.596	53.300	50.000	6.6
Tetrachloro-m-xylene	3.409	3.300	3.500	53.000	50.000	6.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/20/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071008.D **Time Analyzed:** 10:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.778	3.678	3.878	419.270	500.000	-16.1
Aroclor-1016-2	3.793	3.693	3.893	465.010	500.000	-7.0
Aroclor-1016-3	3.953	3.853	4.053	468.600	500.000	-6.3
Aroclor-1016-4	4.001	3.902	4.102	489.820	500.000	-2.0
Aroclor-1016-5	4.196	4.097	4.297	467.260	500.000	-6.5
Aroclor-1260-1	5.189	5.089	5.289	468.620	500.000	-6.3
Aroclor-1260-2	5.379	5.278	5.478	452.340	500.000	-9.5
Aroclor-1260-3	5.520	5.419	5.619	466.410	500.000	-6.7
Aroclor-1260-4	5.981	5.879	6.079	464.170	500.000	-7.2
Aroclor-1260-5	6.225	6.124	6.324	437.130	500.000	-12.6
Decachlorobiphenyl	7.536	7.433	7.633	54.320	50.000	8.6
Tetrachloro-m-xylene	2.776	2.678	2.878	50.390	50.000	0.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Continuing Calib Date: 10/20/2025 **Initial Calibration Date(s):** 10/10/2025 10/10/2025

Continuing Calib Time: 16:45 **Initial Calibration Time(s):** 08:57 16:43

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.48	4.48	4.38	4.58	0.00
Aroclor-1016-2	(2)	4.50	4.50	4.40	4.60	0.00
Aroclor-1016-3	(3)	4.56	4.56	4.46	4.66	0.00
Aroclor-1016-4	(4)	4.65	4.65	4.55	4.75	0.00
Aroclor-1016-5	(5)	4.93	4.93	4.83	5.03	0.00
Aroclor-1260-1	(1)	6.02	6.02	5.92	6.12	0.00
Aroclor-1260-2	(2)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	6.84	6.84	6.74	6.94	0.00
Aroclor-1260-5	(5)	7.15	7.15	7.05	7.25	0.00
Tetrachloro-m-xylene		3.40	3.40	3.30	3.50	0.00
Decachlorobiphenyl		8.50	8.50	8.40	8.60	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

Continuing Calib Date: 10/20/2025 **Initial Calibration Date(s):** 10/10/2025 10/10/2025

Continuing Calib Time: 16:45 **Initial Calibration Time(s):** 08:57 16:43

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	3.78	3.78	3.68	3.88	0.00
Aroclor-1016-2	(2)	3.79	3.79	3.69	3.89	0.00
Aroclor-1016-3	(3)	3.95	3.95	3.85	4.05	0.00
Aroclor-1016-4	(4)	4.00	4.00	3.90	4.10	0.00
Aroclor-1016-5	(5)	4.20	4.20	4.10	4.30	0.00
Aroclor-1260-1	(1)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-2	(2)	5.38	5.38	5.28	5.48	0.00
Aroclor-1260-3	(3)	5.52	5.52	5.42	5.62	0.00
Aroclor-1260-4	(4)	5.98	5.98	5.88	6.08	0.00
Aroclor-1260-5	(5)	6.22	6.22	6.12	6.32	0.00
Tetrachloro-m-xylene		2.78	2.78	2.68	2.88	0.00
Decachlorobiphenyl		7.53	7.53	7.43	7.63	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/20/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071023.D **Time Analyzed:** 16:45

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.480	4.380	4.580	550.910	500.000	10.2
Aroclor-1016-2	4.499	4.399	4.599	545.480	500.000	9.1
Aroclor-1016-3	4.557	4.456	4.656	557.230	500.000	11.4
Aroclor-1016-4	4.647	4.546	4.746	552.890	500.000	10.6
Aroclor-1016-5	4.931	4.831	5.031	543.570	500.000	8.7
Aroclor-1260-1	6.021	5.919	6.119	524.350	500.000	4.9
Aroclor-1260-2	6.276	6.175	6.375	521.190	500.000	4.2
Aroclor-1260-3	6.628	6.526	6.726	548.540	500.000	9.7
Aroclor-1260-4	6.842	6.740	6.940	553.860	500.000	10.8
Aroclor-1260-5	7.147	7.045	7.245	548.590	500.000	9.7
Decachlorobiphenyl	8.499	8.396	8.596	57.120	50.000	14.2
Tetrachloro-m-xylene	3.400	3.300	3.500	54.370	50.000	8.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3375

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/20/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071023.D **Time Analyzed:** 16:45

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.777	3.678	3.878	486.880	500.000	-2.6
Aroclor-1016-2	3.793	3.693	3.893	486.950	500.000	-2.6
Aroclor-1016-3	3.953	3.853	4.053	501.250	500.000	0.3
Aroclor-1016-4	4.002	3.902	4.102	507.110	500.000	1.4
Aroclor-1016-5	4.196	4.097	4.297	503.750	500.000	0.8
Aroclor-1260-1	5.189	5.089	5.289	495.440	500.000	-0.9
Aroclor-1260-2	5.378	5.278	5.478	487.970	500.000	-2.4
Aroclor-1260-3	5.519	5.419	5.619	493.830	500.000	-1.2
Aroclor-1260-4	5.979	5.879	6.079	490.320	500.000	-1.9
Aroclor-1260-5	6.224	6.124	6.324	470.860	500.000	-5.8
Decachlorobiphenyl	7.533	7.433	7.633	56.890	50.000	13.8
Tetrachloro-m-xylene	2.777	2.678	2.878	53.850	50.000	7.7

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Analytical Sequence

Client: AECOM **SDG No.:** Q3375

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069. **Instrument ID:** ECD_P

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 09/23/2025 09/23/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	09/23/2025	08:29	PP075246.D	10.44	4.66
AR1660ICC1000	AR1660ICC1000	09/23/2025	08:45	PP075247.D	10.43	4.65
AR1660ICC750	AR1660ICC750	09/23/2025	09:01	PP075248.D	10.44	4.66
AR1660ICC500	AR1660ICC500	09/23/2025	09:18	PP075249.D	10.43	4.66
AR1660ICC250	AR1660ICC250	09/23/2025	09:34	PP075250.D	10.43	4.66
AR1660ICC050	AR1660ICC050	09/23/2025	10:11	PP075251.D	10.45	4.66
AR1221ICC500	AR1221ICC500	09/23/2025	10:27	PP075252.D	10.44	4.66
AR1232ICC500	AR1232ICC500	09/23/2025	10:43	PP075253.D	10.44	4.66
AR1242ICC1000	AR1242ICC1000	09/23/2025	11:00	PP075254.D	10.44	4.66
AR1242ICC750	AR1242ICC750	09/23/2025	11:16	PP075255.D	10.44	4.66
AR1242ICC500	AR1242ICC500	09/23/2025	11:32	PP075256.D	10.44	4.66
AR1242ICC250	AR1242ICC250	09/23/2025	11:48	PP075257.D	10.44	4.66
AR1242ICC050	AR1242ICC050	09/23/2025	12:05	PP075258.D	10.44	4.66
AR1248ICC1000	AR1248ICC1000	09/23/2025	12:37	PP075259.D	10.43	4.66
AR1248ICC750	AR1248ICC750	09/23/2025	12:53	PP075260.D	10.44	4.66
AR1248ICC500	AR1248ICC500	09/23/2025	13:10	PP075261.D	10.44	4.66
AR1248ICC250	AR1248ICC250	09/23/2025	13:26	PP075262.D	10.44	4.66
AR1248ICC050	AR1248ICC050	09/23/2025	13:42	PP075263.D	10.44	4.66
AR1254ICC1000	AR1254ICC1000	09/23/2025	14:15	PP075264.D	10.44	4.66
AR1254ICC750	AR1254ICC750	09/23/2025	14:31	PP075265.D	10.44	4.66
AR1254ICC500	AR1254ICC500	09/23/2025	14:47	PP075266.D	10.44	4.66
AR1254ICC250	AR1254ICC250	09/23/2025	15:04	PP075267.D	10.44	4.66
AR1254ICC050	AR1254ICC050	09/23/2025	15:20	PP075268.D	10.43	4.66
AR1262ICC500	AR1262ICC500	09/23/2025	15:52	PP075269.D	10.44	4.66
AR1268ICC1000	AR1268ICC1000	09/23/2025	16:09	PP075270.D	10.44	4.66
AR1268ICC750	AR1268ICC750	09/23/2025	16:25	PP075271.D	10.44	4.66
AR1268ICC500	AR1268ICC500	09/23/2025	16:41	PP075272.D	10.44	4.66
AR1268ICC250	AR1268ICC250	09/23/2025	16:58	PP075273.D	10.44	4.66
AR1268ICC050	AR1268ICC050	09/23/2025	17:14	PP075274.D	10.44	4.66
AR1660CCC500	AR1660CCC500	10/20/2025	11:13	PP075868.D	10.44	4.65
I.BLK	I.BLK	10/20/2025	12:41	PP075872.D	10.43	4.65
OR-03-101725MS	Q3383-01MS	10/20/2025	15:15	PP075879.D	10.44	4.65
OR-03-101725MSD	Q3383-01MSD	10/20/2025	15:31	PP075880.D	10.43	4.65
AR1660CCC500	AR1660CCC500	10/20/2025	16:20	PP075881.D	10.43	4.65
I.BLK	I.BLK	10/20/2025	17:25	PP075885.D	10.43	4.65
I.BLK	I.BLK	10/10/2025	08:42	PQ070972.D	8.50	3.40
AR1660ICC1000	AR1660ICC1000	10/10/2025	08:57	PQ070973.D	8.50	3.40
AR1660ICC750	AR1660ICC750	10/10/2025	09:11	PQ070974.D	8.50	3.40
AR1660ICC500	AR1660ICC500	10/10/2025	09:26	PQ070975.D	8.50	3.40
AR1660ICC250	AR1660ICC250	10/10/2025	09:40	PQ070976.D	8.50	3.40
AR1660ICC050	AR1660ICC050	10/10/2025	09:55	PQ070977.D	8.50	3.40
AR1221ICC500	AR1221ICC500	10/10/2025	10:09	PQ070978.D	8.50	3.40

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Analytical Sequence

AR1232ICC500	AR1232ICC500	10/10/2025	10:24	PQ070979.D	8.50	3.40
AR1242ICC1000	AR1242ICC1000	10/10/2025	10:38	PQ070980.D	8.50	3.40
AR1242ICC750	AR1242ICC750	10/10/2025	10:53	PQ070981.D	8.50	3.40
AR1242ICC500	AR1242ICC500	10/10/2025	11:08	PQ070982.D	8.50	3.40
AR1242ICC250	AR1242ICC250	10/10/2025	11:22	PQ070983.D	8.50	3.40
AR1242ICC050	AR1242ICC050	10/10/2025	11:37	PQ070984.D	8.50	3.40
AR1248ICC1000	AR1248ICC1000	10/10/2025	11:51	PQ070985.D	8.50	3.40
AR1248ICC750	AR1248ICC750	10/10/2025	12:06	PQ070986.D	8.50	3.40
AR1248ICC500	AR1248ICC500	10/10/2025	12:20	PQ070987.D	8.50	3.40
AR1248ICC250	AR1248ICC250	10/10/2025	12:35	PQ070988.D	8.50	3.40
AR1248ICC050	AR1248ICC050	10/10/2025	12:50	PQ070989.D	8.50	3.40
AR1254ICC1000	AR1254ICC1000	10/10/2025	13:04	PQ070990.D	8.50	3.40
AR1254ICC750	AR1254ICC750	10/10/2025	13:19	PQ070991.D	8.50	3.40
AR1254ICC500	AR1254ICC500	10/10/2025	13:33	PQ070992.D	8.50	3.40
AR1254ICC250	AR1254ICC250	10/10/2025	13:48	PQ070993.D	8.50	3.40
AR1254ICC050	AR1254ICC050	10/10/2025	15:15	PQ070994.D	8.50	3.40
AR1262ICC500	AR1262ICC500	10/10/2025	15:30	PQ070995.D	8.50	3.40
AR1268ICC1000	AR1268ICC1000	10/10/2025	15:44	PQ070996.D	8.50	3.40
AR1268ICC750	AR1268ICC750	10/10/2025	15:59	PQ070997.D	8.50	3.40
AR1268ICC500	AR1268ICC500	10/10/2025	16:13	PQ070998.D	8.50	3.40
AR1268ICC250	AR1268ICC250	10/10/2025	16:28	PQ070999.D	8.50	3.40
AR1268ICC050	AR1268ICC050	10/10/2025	16:43	PQ071000.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/20/2025	10:18	PQ071008.D	8.51	3.41
I.BLK	I.BLK	10/20/2025	12:36	PQ071012.D	8.52	3.41
PB170162BL	PB170162BL	10/20/2025	13:20	PQ071013.D	8.52	3.42
PB170162BS	PB170162BS	10/20/2025	13:35	PQ071014.D	8.51	3.40
PR132-S02-074099-20251016	Q3375-01	10/20/2025	14:19	PQ071017.D	8.50	3.40
PR132-S04-000013-20251016	Q3375-02	10/20/2025	14:33	PQ071018.D	8.50	3.40
PR132-S05-000057-20251016	Q3375-03	10/20/2025	14:48	PQ071019.D	8.50	3.40
PR132-S02-010074-20251016	Q3375-04	10/20/2025	15:02	PQ071020.D	8.50	3.40
PR132-DP02-20251016	Q3375-05	10/20/2025	15:47	PQ071021.D	8.52	3.42
AR1660CCC500	AR1660CCC500	10/20/2025	16:45	PQ071023.D	8.50	3.40
I.BLK	I.BLK	10/20/2025	17:44	PQ071027.D	8.50	3.40

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Analytical Sequence

Client: AECOM **SDG No.:** Q3375

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069. **Instrument ID:** ECD_P

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 09/23/2025 09/23/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	09/23/2025	08:29	PP075246.D	8.81	3.80
AR1660ICC1000	AR1660ICC1000	09/23/2025	08:45	PP075247.D	8.81	3.80
AR1660ICC750	AR1660ICC750	09/23/2025	09:01	PP075248.D	8.80	3.80
AR1660ICC500	AR1660ICC500	09/23/2025	09:18	PP075249.D	8.80	3.80
AR1660ICC250	AR1660ICC250	09/23/2025	09:34	PP075250.D	8.80	3.80
AR1660ICC050	AR1660ICC050	09/23/2025	10:11	PP075251.D	8.81	3.80
AR1221ICC500	AR1221ICC500	09/23/2025	10:27	PP075252.D	8.81	3.80
AR1232ICC500	AR1232ICC500	09/23/2025	10:43	PP075253.D	8.81	3.80
AR1242ICC1000	AR1242ICC1000	09/23/2025	11:00	PP075254.D	8.81	3.80
AR1242ICC750	AR1242ICC750	09/23/2025	11:16	PP075255.D	8.81	3.80
AR1242ICC500	AR1242ICC500	09/23/2025	11:32	PP075256.D	8.81	3.80
AR1242ICC250	AR1242ICC250	09/23/2025	11:48	PP075257.D	8.81	3.80
AR1242ICC050	AR1242ICC050	09/23/2025	12:05	PP075258.D	8.80	3.80
AR1248ICC1000	AR1248ICC1000	09/23/2025	12:37	PP075259.D	8.80	3.80
AR1248ICC750	AR1248ICC750	09/23/2025	12:53	PP075260.D	8.81	3.80
AR1248ICC500	AR1248ICC500	09/23/2025	13:10	PP075261.D	8.80	3.80
AR1248ICC250	AR1248ICC250	09/23/2025	13:26	PP075262.D	8.81	3.80
AR1248ICC050	AR1248ICC050	09/23/2025	13:42	PP075263.D	8.80	3.80
AR1254ICC1000	AR1254ICC1000	09/23/2025	14:15	PP075264.D	8.81	3.80
AR1254ICC750	AR1254ICC750	09/23/2025	14:31	PP075265.D	8.81	3.80
AR1254ICC500	AR1254ICC500	09/23/2025	14:47	PP075266.D	8.81	3.80
AR1254ICC250	AR1254ICC250	09/23/2025	15:04	PP075267.D	8.81	3.80
AR1254ICC050	AR1254ICC050	09/23/2025	15:20	PP075268.D	8.81	3.80
AR1262ICC500	AR1262ICC500	09/23/2025	15:52	PP075269.D	8.81	3.80
AR1268ICC1000	AR1268ICC1000	09/23/2025	16:09	PP075270.D	8.81	3.80
AR1268ICC750	AR1268ICC750	09/23/2025	16:25	PP075271.D	8.81	3.80
AR1268ICC500	AR1268ICC500	09/23/2025	16:41	PP075272.D	8.81	3.80
AR1268ICC250	AR1268ICC250	09/23/2025	16:58	PP075273.D	8.80	3.80
AR1268ICC050	AR1268ICC050	09/23/2025	17:14	PP075274.D	8.81	3.80
AR1660CCC500	AR1660CCC500	10/20/2025	11:13	PP075868.D	8.79	3.79
I.BLK	I.BLK	10/20/2025	12:41	PP075872.D	8.79	3.79
OR-03-101725MS	Q3383-01MS	10/20/2025	15:15	PP075879.D	8.79	3.79
OR-03-101725MSD	Q3383-01MSD	10/20/2025	15:31	PP075880.D	8.79	3.79
AR1660CCC500	AR1660CCC500	10/20/2025	16:20	PP075881.D	8.79	3.79
I.BLK	I.BLK	10/20/2025	17:25	PP075885.D	8.79	3.79
I.BLK	I.BLK	10/10/2025	08:42	PQ070972.D	7.53	2.78
AR1660ICC1000	AR1660ICC1000	10/10/2025	08:57	PQ070973.D	7.53	2.78
AR1660ICC750	AR1660ICC750	10/10/2025	09:11	PQ070974.D	7.53	2.78
AR1660ICC500	AR1660ICC500	10/10/2025	09:26	PQ070975.D	7.53	2.78
AR1660ICC250	AR1660ICC250	10/10/2025	09:40	PQ070976.D	7.53	2.78
AR1660ICC050	AR1660ICC050	10/10/2025	09:55	PQ070977.D	7.53	2.78
AR1221ICC500	AR1221ICC500	10/10/2025	10:09	PQ070978.D	7.53	2.78

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Analytical Sequence

AR1232ICC500	AR1232ICC500	10/10/2025	10:24	PQ070979.D	7.53	2.78
AR1242ICC1000	AR1242ICC1000	10/10/2025	10:38	PQ070980.D	7.53	2.78
AR1242ICC750	AR1242ICC750	10/10/2025	10:53	PQ070981.D	7.53	2.78
AR1242ICC500	AR1242ICC500	10/10/2025	11:08	PQ070982.D	7.53	2.78
AR1242ICC250	AR1242ICC250	10/10/2025	11:22	PQ070983.D	7.53	2.78
AR1242ICC050	AR1242ICC050	10/10/2025	11:37	PQ070984.D	7.53	2.78
AR1248ICC1000	AR1248ICC1000	10/10/2025	11:51	PQ070985.D	7.53	2.78
AR1248ICC750	AR1248ICC750	10/10/2025	12:06	PQ070986.D	7.53	2.78
AR1248ICC500	AR1248ICC500	10/10/2025	12:20	PQ070987.D	7.53	2.78
AR1248ICC250	AR1248ICC250	10/10/2025	12:35	PQ070988.D	7.53	2.78
AR1248ICC050	AR1248ICC050	10/10/2025	12:50	PQ070989.D	7.53	2.78
AR1254ICC1000	AR1254ICC1000	10/10/2025	13:04	PQ070990.D	7.53	2.78
AR1254ICC750	AR1254ICC750	10/10/2025	13:19	PQ070991.D	7.53	2.78
AR1254ICC500	AR1254ICC500	10/10/2025	13:33	PQ070992.D	7.53	2.78
AR1254ICC250	AR1254ICC250	10/10/2025	13:48	PQ070993.D	7.53	2.78
AR1254ICC050	AR1254ICC050	10/10/2025	15:15	PQ070994.D	7.53	2.78
AR1262ICC500	AR1262ICC500	10/10/2025	15:30	PQ070995.D	7.53	2.78
AR1268ICC1000	AR1268ICC1000	10/10/2025	15:44	PQ070996.D	7.53	2.78
AR1268ICC750	AR1268ICC750	10/10/2025	15:59	PQ070997.D	7.53	2.78
AR1268ICC500	AR1268ICC500	10/10/2025	16:13	PQ070998.D	7.53	2.78
AR1268ICC250	AR1268ICC250	10/10/2025	16:28	PQ070999.D	7.53	2.78
AR1268ICC050	AR1268ICC050	10/10/2025	16:43	PQ071000.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/20/2025	10:18	PQ071008.D	7.54	2.78
I.BLK	I.BLK	10/20/2025	12:36	PQ071012.D	7.54	2.78
PB170162BL	PB170162BL	10/20/2025	13:20	PQ071013.D	7.54	2.78
PB170162BS	PB170162BS	10/20/2025	13:35	PQ071014.D	7.54	2.78
PR132-S02-074099-20251016	Q3375-01	10/20/2025	14:19	PQ071017.D	7.53	2.78
PR132-S04-000013-20251016	Q3375-02	10/20/2025	14:33	PQ071018.D	7.53	2.78
PR132-S05-000057-20251016	Q3375-03	10/20/2025	14:48	PQ071019.D	7.53	2.78
PR132-S02-010074-20251016	Q3375-04	10/20/2025	15:02	PQ071020.D	7.53	2.78
PR132-DP02-20251016	Q3375-05	10/20/2025	15:47	PQ071021.D	7.54	2.78
AR1660CCC500	AR1660CCC500	10/20/2025	16:45	PQ071023.D	7.53	2.78
I.BLK	I.BLK	10/20/2025	17:44	PQ071027.D	7.53	2.78

QC SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170162BL	SDG No.:	Q3375
Lab Sample ID:	PB170162BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	17.0	U	1	3.90	17.0	ug/kg	10/20/25 13:20	PB170162
11104-28-2	Aroclor-1221	17.0	U	1	4.00	17.0	ug/kg	10/20/25 13:20	PB170162
11141-16-5	Aroclor-1232	17.0	U	1	3.70	17.0	ug/kg	10/20/25 13:20	PB170162
53469-21-9	Aroclor-1242	17.0	U	1	4.00	17.0	ug/kg	10/20/25 13:20	PB170162
12672-29-6	Aroclor-1248	17.0	U	1	5.90	17.0	ug/kg	10/20/25 13:20	PB170162
11097-69-1	Aroclor-1254	17.0	U	1	3.20	17.0	ug/kg	10/20/25 13:20	PB170162
37324-23-5	Aroclor-1262	17.0	U	1	5.00	17.0	ug/kg	10/20/25 13:20	PB170162
11100-14-4	Aroclor-1268	17.0	U	1	3.60	17.0	ug/kg	10/20/25 13:20	PB170162
11096-82-5	Aroclor-1260	17.0	U	1	3.20	17.0	ug/kg	10/20/25 13:20	PB170162
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.7			32 - 144	108%	SPK: 20		
2051-24-3	Decachlorobiphenyl	25.1			32 - 175	126%	SPK: 20		

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

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Report of Analysis

Client:	AECOM	Date Collected:	09/23/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	09/23/25
Client Sample ID:	PIBLK-PP075246.D	SDG No.:	Q3375
Lab Sample ID:	I.BLK-PP075246.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	09/23/25	pp092325
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	09/23/25	pp092325
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	09/23/25	pp092325
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	09/23/25	pp092325
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	09/23/25	pp092325
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	09/23/25	pp092325
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	09/23/25	pp092325
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	09/23/25	pp092325
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	09/23/25	pp092325
SURROGATES									
877-09-8	Tetrachloro-m-xylene	17.9			60 - 140	90%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.4			60 - 140	97%	SPK: 20		

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
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	AECOM	Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	PIBLK-PP075872.D	SDG No.:	Q3375
Lab Sample ID:	I.BLK-PP075872.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/20/25	pp102025
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/20/25	pp102025
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/20/25	pp102025
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/20/25	pp102025
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/20/25	pp102025
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/20/25	pp102025
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/20/25	pp102025
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/20/25	pp102025
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/20/25	pp102025
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.7			60 - 140	113%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.6			60 - 140	103%	SPK: 20		

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
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	AECOM	Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	PIBLK-PP075885.D	SDG No.:	Q3375
Lab Sample ID:	I.BLK-PP075885.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/20/25	pp102025
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/20/25	pp102025
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/20/25	pp102025
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/20/25	pp102025
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/20/25	pp102025
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/20/25	pp102025
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/20/25	pp102025
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/20/25	pp102025
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/20/25	pp102025
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.7			60 - 140	114%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.0			60 - 140	100%	SPK: 20		

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
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	AECOM	Date Collected:	10/10/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/10/25
Client Sample ID:	PIBLK-PQ070972.D	SDG No.:	Q3375
Lab Sample ID:	I.BLK-PQ070972.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/10/25	pq101025
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/10/25	pq101025
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/10/25	pq101025
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/10/25	pq101025
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/10/25	pq101025
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/10/25	pq101025
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/10/25	pq101025
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/10/25	pq101025
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/10/25	pq101025
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.3			60 - 140	91%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.0			60 - 140	95%	SPK: 20		

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
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Report of Analysis

Client:	AECOM	Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	PIBLK-PQ071012.D	SDG No.:	Q3375
Lab Sample ID:	I.BLK-PQ071012.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/20/25	PQ102025
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/20/25	PQ102025
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/20/25	PQ102025
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/20/25	PQ102025
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/20/25	PQ102025
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/20/25	PQ102025
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/20/25	PQ102025
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/20/25	PQ102025
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/20/25	PQ102025
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.7			60 - 140	94%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.0			60 - 140	110%	SPK: 20		

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Report of Analysis

Client:	AECOM	Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	PIBLK-PQ071027.D	SDG No.:	Q3375
Lab Sample ID:	I.BLK-PQ071027.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/20/25	PQ102025
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/20/25	PQ102025
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/20/25	PQ102025
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/20/25	PQ102025
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/20/25	PQ102025
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/20/25	PQ102025
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/20/25	PQ102025
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/20/25	PQ102025
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/20/25	PQ102025
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.6			60 - 140	98%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.3			60 - 140	111%	SPK: 20		

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170162BS	SDG No.:	Q3375
Lab Sample ID:	PB170162BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	172		1	3.90	17.0	ug/kg	10/20/25 13:35	PB170162
11104-28-2	Aroclor-1221	17.0	U	1	4.00	17.0	ug/kg	10/20/25 13:35	PB170162
11141-16-5	Aroclor-1232	17.0	U	1	3.70	17.0	ug/kg	10/20/25 13:35	PB170162
53469-21-9	Aroclor-1242	17.0	U	1	4.00	17.0	ug/kg	10/20/25 13:35	PB170162
12672-29-6	Aroclor-1248	17.0	U	1	5.90	17.0	ug/kg	10/20/25 13:35	PB170162
11097-69-1	Aroclor-1254	17.0	U	1	3.20	17.0	ug/kg	10/20/25 13:35	PB170162
37324-23-5	Aroclor-1262	17.0	U	1	5.00	17.0	ug/kg	10/20/25 13:35	PB170162
11100-14-4	Aroclor-1268	17.0	U	1	3.60	17.0	ug/kg	10/20/25 13:35	PB170162
11096-82-5	Aroclor-1260	165		1	3.20	17.0	ug/kg	10/20/25 13:35	PB170162
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.0			32 - 144	120%	SPK: 20		
2051-24-3	Decachlorobiphenyl	27.3			32 - 175	137%	SPK: 20		

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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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

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	OR-03-101725MS	SDG No.:	Q3375
Lab Sample ID:	Q3383-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	92
Sample Wt/Vol:	30.08 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	260		1	4.30	18.4	ug/kg	10/20/25 15:15	PB170162
11104-28-2	Aroclor-1221	18.4	U	1	4.40	18.4	ug/kg	10/20/25 15:15	PB170162
11141-16-5	Aroclor-1232	18.4	U	1	4.00	18.4	ug/kg	10/20/25 15:15	PB170162
53469-21-9	Aroclor-1242	18.4	U	1	4.30	18.4	ug/kg	10/20/25 15:15	PB170162
12672-29-6	Aroclor-1248	18.4	U	1	6.40	18.4	ug/kg	10/20/25 15:15	PB170162
11097-69-1	Aroclor-1254	18.4	U	1	3.50	18.4	ug/kg	10/20/25 15:15	PB170162
37324-23-5	Aroclor-1262	18.4	U	1	5.40	18.4	ug/kg	10/20/25 15:15	PB170162
11100-14-4	Aroclor-1268	18.4	U	1	3.90	18.4	ug/kg	10/20/25 15:15	PB170162
11096-82-5	Aroclor-1260	184		1	3.50	18.4	ug/kg	10/20/25 15:15	PB170162
SURROGATES									
877-09-8	Tetrachloro-m-xylene	28.0			32 - 144	140%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.4			32 - 175	112%	SPK: 20		

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	OR-03-101725MSD	SDG No.:	Q3375
Lab Sample ID:	Q3383-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	92
Sample Wt/Vol:	30.07 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	244		1	4.30	18.4	ug/kg	10/20/25 15:31	PB170162
11104-28-2	Aroclor-1221	18.4	U	1	4.40	18.4	ug/kg	10/20/25 15:31	PB170162
11141-16-5	Aroclor-1232	18.4	U	1	4.00	18.4	ug/kg	10/20/25 15:31	PB170162
53469-21-9	Aroclor-1242	18.4	U	1	4.30	18.4	ug/kg	10/20/25 15:31	PB170162
12672-29-6	Aroclor-1248	18.4	U	1	6.40	18.4	ug/kg	10/20/25 15:31	PB170162
11097-69-1	Aroclor-1254	18.4	U	1	3.50	18.4	ug/kg	10/20/25 15:31	PB170162
37324-23-5	Aroclor-1262	18.4	U	1	5.40	18.4	ug/kg	10/20/25 15:31	PB170162
11100-14-4	Aroclor-1268	18.4	U	1	3.90	18.4	ug/kg	10/20/25 15:31	PB170162
11096-82-5	Aroclor-1260	177		1	3.50	18.4	ug/kg	10/20/25 15:31	PB170162
SURROGATES									
877-09-8	Tetrachloro-m-xylene	28.4			32 - 144	142%	SPK: 20		
2051-24-3	Decachlorobiphenyl	21.8			32 - 175	109%	SPK: 20		

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

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LAB CHRONICLE

OrderID:	Q3375	**OrderDate:**	10/17/2025 10:32:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3375-01	**PR132-S02-074099-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			Mercury	7471B		10/20/25	10/22/25	
			Metals ICP-TAL	6020B		10/20/25	10/22/25	
Q3375-02	**PR132-S04-000013-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			Mercury	7471B		10/20/25	10/20/25	
			Metals ICP-TAL	6020B		10/20/25	10/22/25	
Q3375-03	**PR132-S05-000057-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			Mercury	7471B		10/20/25	10/22/25	
			Metals ICP-TAL	6020B		10/20/25	10/22/25	
Q3375-04	**PR132-S02-010074-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			Mercury	7471B		10/20/25	10/22/25	
			Metals ICP-TAL	6020B		10/20/25	10/22/25	
Q3375-05	**PR132-DP02-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			Mercury	7471B		10/20/25	10/22/25	
			Metals ICP-TAL	6020B		10/20/25	10/22/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3375 **Order ID:** Q3375

Client: AECOM **Project ID:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-S02-074099-20251016								
Q3375-01	PR132-S02-074099-20251016	SOIL	Aluminum	6830		0.43	2.37	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Antimony	0.059	J	0.053	0.24	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Arsenic	18.7		0.014	0.12	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Barium	47.4		0.039	1.18	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Beryllium	0.47		0.038	0.12	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Cadmium	0.31		0.021	0.12	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Calcium	2600		5.67	59.2	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Chromium	30.8		0.031	0.24	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Cobalt	6.87		0.011	0.12	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Copper	65.9		0.077	0.24	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Iron	18500		1.09	5.92	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Lead	137		0.038	0.12	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Magnesium	3340		2.29	59.2	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Manganese	335		0.040	0.12	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Nickel	17.3		0.051	0.12	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Mercury	4.45	D	0.094	0.17	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Potassium	1280		4.55	59.2	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Selenium	0.46	J	0.33	0.59	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Silver	0.39		0.031	0.12	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Sodium	547		8.32	59.2	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Thallium	0.11	J	0.017	0.12	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Vanadium	19.9		0.013	0.59	mg/Kg
Q3375-01	PR132-S02-074099-20251016	SOIL	Zinc	114		0.11	0.59	mg/Kg
Client ID : PR132-S04-000013-20251016								
Q3375-02	PR132-S04-000013-20251016	SOIL	Aluminum	3860		0.40	2.19	mg/Kg
Q3375-02	PR132-S04-000013-20251016	SOIL	Antimony	0.082	J	0.049	0.22	mg/Kg
Q3375-02	PR132-S04-000013-20251016	SOIL	Arsenic	6.75		0.013	0.11	mg/Kg
Q3375-02	PR132-S04-000013-20251016	SOIL	Barium	30.6		0.036	1.10	mg/Kg
Q3375-02	PR132-S04-000013-20251016	SOIL	Beryllium	0.53		0.035	0.11	mg/Kg
Q3375-02	PR132-S04-000013-20251016	SOIL	Cadmium	0.58		0.020	0.11	mg/Kg
Q3375-02	PR132-S04-000013-20251016	SOIL	Calcium	7250		5.26	54.9	mg/Kg
Q3375-02	PR132-S04-000013-20251016	SOIL	Chromium	29.3		0.029	0.22	mg/Kg
Q3375-02	PR132-S04-000013-20251016	SOIL	Cobalt	5.82		0.010	0.11	mg/Kg
Q3375-02	PR132-S04-000013-20251016	SOIL	Copper	60.5		0.071	0.22	mg/Kg
Q3375-02	PR132-S04-000013-20251016	SOIL	Iron	11900		1.01	5.49	mg/Kg
Q3375-02	PR132-S04-000013-20251016	SOIL	Lead	121		0.035	0.11	mg/Kg
Q3375-02	PR132-S04-000013-20251016	SOIL	Magnesium	3940		2.12	54.9	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3375 **Order ID:** Q3375

Client: AECOM **Project ID:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3375-02	PR132-S04-000013-20251016	SOIL	Manganese	242		0.037	0.11	mg/Kg
Q3375-02	PR132-S04-000013-20251016	SOIL	Nickel	37.9		0.047	0.11	mg/Kg
Q3375-02	PR132-S04-000013-20251016	SOIL	Mercury	0.37		0.0090	0.016	mg/Kg
Q3375-02	PR132-S04-000013-20251016	SOIL	Potassium	754		4.21	54.9	mg/Kg
Q3375-02	PR132-S04-000013-20251016	SOIL	Selenium	0.34	J	0.31	0.55	mg/Kg
Q3375-02	PR132-S04-000013-20251016	SOIL	Silver	0.90		0.029	0.11	mg/Kg
Q3375-02	PR132-S04-000013-20251016	SOIL	Sodium	929		7.70	54.9	mg/Kg
Q3375-02	PR132-S04-000013-20251016	SOIL	Thallium	0.076	J	0.015	0.11	mg/Kg
Q3375-02	PR132-S04-000013-20251016	SOIL	Vanadium	12.7		0.012	0.55	mg/Kg
Q3375-02	PR132-S04-000013-20251016	SOIL	Zinc	190		0.099	0.55	mg/Kg
Client ID :	**PR132-S05-000057-20251016**							
Q3375-03	PR132-S05-000057-20251016	SOIL	Aluminum	6380		0.43	2.38	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Antimony	0.23	J	0.054	0.24	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Arsenic	13.2		0.014	0.12	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Barium	127		0.039	1.19	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Beryllium	0.81		0.038	0.12	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Cadmium	5.84		0.021	0.12	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Calcium	3220		5.70	59.5	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Chromium	154	D	0.16	1.19	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Cobalt	8.02		0.011	0.12	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Copper	189		0.077	0.24	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Iron	17500		1.09	5.95	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Lead	289		0.038	0.12	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Magnesium	4610		2.30	59.5	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Manganese	157		0.040	0.12	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Nickel	49.1		0.051	0.12	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Mercury	1.22	D	0.097	0.18	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Potassium	1400		4.57	59.5	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Selenium	1.01		0.33	0.60	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Silver	3.79		0.031	0.12	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Sodium	4120		8.35	59.5	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Thallium	0.17		0.017	0.12	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Vanadium	30.2		0.013	0.60	mg/Kg
Q3375-03	PR132-S05-000057-20251016	SOIL	Zinc	391		0.11	0.60	mg/Kg
Client ID :	**PR132-S02-010074-20251016**							
Q3375-04	PR132-S02-010074-20251016	SOIL	Aluminum	10600		0.52	2.87	mg/Kg
Q3375-04	PR132-S02-010074-20251016	SOIL	Antimony	0.16	J	0.065	0.29	mg/Kg
Q3375-04	PR132-S02-010074-20251016	SOIL	Arsenic	38.9		0.017	0.14	mg/Kg
Q3375-04	PR132-S02-010074-20251016	SOIL	Barium	172		0.047	1.44	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3375 **Order ID:** Q3375

Client: AECOM **Project ID:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3375-04	PR132-S02-010074-20251016	SOIL	Beryllium	0.83		0.046	0.14	mg/Kg
Q3375-04	PR132-S02-010074-20251016	SOIL	Cadmium	1.98		0.026	0.14	mg/Kg
Q3375-04	PR132-S02-010074-20251016	SOIL	Calcium	4280		6.87	71.8	mg/Kg
Q3375-04	PR132-S02-010074-20251016	SOIL	Chromium	85.7		0.037	0.29	mg/Kg
Q3375-04	PR132-S02-010074-20251016	SOIL	Cobalt	10.1		0.013	0.14	mg/Kg
Q3375-04	PR132-S02-010074-20251016	SOIL	Copper	181		0.093	0.29	mg/Kg
Q3375-04	PR132-S02-010074-20251016	SOIL	Iron	28700		1.32	7.18	mg/Kg
Q3375-04	PR132-S02-010074-20251016	SOIL	Lead	362		0.046	0.14	mg/Kg
Q3375-04	PR132-S02-010074-20251016	SOIL	Magnesium	5940		2.77	71.8	mg/Kg
Q3375-04	PR132-S02-010074-20251016	SOIL	Manganese	399		0.049	0.14	mg/Kg
Q3375-04	PR132-S02-010074-20251016	SOIL	Nickel	43.2		0.062	0.14	mg/Kg
Q3375-04	PR132-S02-010074-20251016	SOIL	Mercury	2.51	D	0.13	0.23	mg/Kg
Q3375-04	PR132-S02-010074-20251016	SOIL	Potassium	2210		5.51	71.8	mg/Kg
Q3375-04	PR132-S02-010074-20251016	SOIL	Selenium	1.56		0.40	0.72	mg/Kg
Q3375-04	PR132-S02-010074-20251016	SOIL	Silver	2.32		0.037	0.14	mg/Kg
Q3375-04	PR132-S02-010074-20251016	SOIL	Sodium	3090		10.1	71.8	mg/Kg
Q3375-04	PR132-S02-010074-20251016	SOIL	Thallium	0.26		0.020	0.14	mg/Kg
Q3375-04	PR132-S02-010074-20251016	SOIL	Vanadium	33.6		0.016	0.72	mg/Kg
Q3375-04	PR132-S02-010074-20251016	SOIL	Zinc	295		0.13	0.72	mg/Kg
Client ID :	**PR132-DP02-20251016**							
Q3375-05	PR132-DP02-20251016	SOIL	Aluminum	11200		0.47	2.61	mg/Kg
Q3375-05	PR132-DP02-20251016	SOIL	Antimony	0.25	J	0.059	0.26	mg/Kg
Q3375-05	PR132-DP02-20251016	SOIL	Arsenic	25.7		0.016	0.13	mg/Kg
Q3375-05	PR132-DP02-20251016	SOIL	Barium	338		0.043	1.30	mg/Kg
Q3375-05	PR132-DP02-20251016	SOIL	Beryllium	1.17		0.042	0.13	mg/Kg
Q3375-05	PR132-DP02-20251016	SOIL	Cadmium	11.7		0.023	0.13	mg/Kg
Q3375-05	PR132-DP02-20251016	SOIL	Calcium	10200		6.24	65.2	mg/Kg
Q3375-05	PR132-DP02-20251016	SOIL	Chromium	322	D	0.17	1.30	mg/Kg
Q3375-05	PR132-DP02-20251016	SOIL	Cobalt	14.5		0.012	0.13	mg/Kg
Q3375-05	PR132-DP02-20251016	SOIL	Copper	365		0.085	0.26	mg/Kg
Q3375-05	PR132-DP02-20251016	SOIL	Iron	36100	D	6.00	32.6	mg/Kg
Q3375-05	PR132-DP02-20251016	SOIL	Lead	828	D	0.21	0.65	mg/Kg
Q3375-05	PR132-DP02-20251016	SOIL	Magnesium	8880		2.52	65.2	mg/Kg
Q3375-05	PR132-DP02-20251016	SOIL	Manganese	262		0.044	0.13	mg/Kg
Q3375-05	PR132-DP02-20251016	SOIL	Nickel	96.6		0.056	0.13	mg/Kg
Q3375-05	PR132-DP02-20251016	SOIL	Mercury	1.07	D	0.097	0.18	mg/Kg
Q3375-05	PR132-DP02-20251016	SOIL	Potassium	2400		5.01	65.2	mg/Kg
Q3375-05	PR132-DP02-20251016	SOIL	Selenium	2.35		0.37	0.65	mg/Kg
Q3375-05	PR132-DP02-20251016	SOIL	Silver	6.01		0.034	0.13	mg/Kg
Q3375-05	PR132-DP02-20251016	SOIL	Sodium	7920		9.15	65.2	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.:	Q3375	**Order ID:**	Q3375
Client:	AECOM	**Project ID:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3375-05	PR132-DP02-20251016	SOIL	Thallium	0.31		0.018	0.13	mg/Kg
Q3375-05	PR132-DP02-20251016	SOIL	Vanadium	63.9		0.014	0.65	mg/Kg
Q3375-05	PR132-DP02-20251016	SOIL	Zinc	760		0.12	0.65	mg/Kg

SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-074099-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	69.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6830		1	0.43	2.37	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050
7440-36-0	Antimony	0.059	J	1	0.053	0.24	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050
7440-38-2	Arsenic	18.7		1	0.014	0.12	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050
7440-39-3	Barium	47.4		1	0.039	1.18	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050
7440-41-7	Beryllium	0.47		1	0.038	0.12	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050
7440-43-9	Cadmium	0.31		1	0.021	0.12	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050
7440-70-2	Calcium	2600		1	5.67	59.2	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050
7440-47-3	Chromium	30.8		1	0.031	0.24	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050
7440-48-4	Cobalt	6.87		1	0.011	0.12	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050
7440-50-8	Copper	65.9		1	0.077	0.24	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050
7439-89-6	Iron	18500		1	1.09	5.92	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050
7439-92-1	Lead	137	N	1	0.038	0.12	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050
7439-95-4	Magnesium	3340		1	2.29	59.2	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050
7439-96-5	Manganese	335		1	0.040	0.12	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050
7439-97-6	Mercury	4.45	D	10	0.094	0.17	mg/Kg	10/20/25 09:30	10/22/25 14:21	7471B	7471B
7440-02-0	Nickel	17.3		1	0.051	0.12	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050
7440-09-7	Potassium	1280		1	4.55	59.2	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050
7782-49-2	Selenium	0.46	J	1	0.33	0.59	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050
7440-22-4	Silver	0.39	N	1	0.031	0.12	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050
7440-23-5	Sodium	547		1	8.32	59.2	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050
7440-28-0	Thallium	0.11	J	1	0.017	0.12	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050
7440-62-2	Vanadium	19.9		1	0.013	0.59	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050
7440-66-6	Zinc	114		1	0.11	0.59	mg/Kg	10/20/25 11:50	10/22/25 15:33	6020B	SW3050

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S04-000013-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	74.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3860		1	0.40	2.19	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050
7440-36-0	Antimony	0.082	J	1	0.049	0.22	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050
7440-38-2	Arsenic	6.75		1	0.013	0.11	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050
7440-39-3	Barium	30.6		1	0.036	1.10	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050
7440-41-7	Beryllium	0.53		1	0.035	0.11	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050
7440-43-9	Cadmium	0.58		1	0.020	0.11	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050
7440-70-2	Calcium	7250		1	5.26	54.9	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050
7440-47-3	Chromium	29.3		1	0.029	0.22	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050
7440-48-4	Cobalt	5.82		1	0.010	0.11	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050
7440-50-8	Copper	60.5		1	0.071	0.22	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050
7439-89-6	Iron	11900		1	1.01	5.49	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050
7439-92-1	Lead	121	N	1	0.035	0.11	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050
7439-95-4	Magnesium	3940		1	2.12	54.9	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050
7439-96-5	Manganese	242		1	0.037	0.11	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050
7439-97-6	Mercury	0.37		1	0.0090	0.016	mg/Kg	10/20/25 09:30	10/20/25 15:13	7471B	7471B
7440-02-0	Nickel	37.9		1	0.047	0.11	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050
7440-09-7	Potassium	754		1	4.21	54.9	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050
7782-49-2	Selenium	0.34	J	1	0.31	0.55	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050
7440-22-4	Silver	0.90	N	1	0.029	0.11	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050
7440-23-5	Sodium	929		1	7.70	54.9	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050
7440-28-0	Thallium	0.076	J	1	0.015	0.11	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050
7440-62-2	Vanadium	12.7		1	0.012	0.55	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050
7440-66-6	Zinc	190		1	0.099	0.55	mg/Kg	10/20/25 11:50	10/22/25 15:36	6020B	SW3050

U = Not Detected
LOQ = Limit of Quantitation
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D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-000057-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	66.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6380		1	0.43	2.38	mg/Kg	10/20/25 11:50	10/22/25 15:39	6020B	SW3050
7440-36-0	Antimony	0.23	J	1	0.054	0.24	mg/Kg	10/20/25 11:50	10/22/25 15:39	6020B	SW3050
7440-38-2	Arsenic	13.2		1	0.014	0.12	mg/Kg	10/20/25 11:50	10/22/25 15:39	6020B	SW3050
7440-39-3	Barium	127		1	0.039	1.19	mg/Kg	10/20/25 11:50	10/22/25 15:39	6020B	SW3050
7440-41-7	Beryllium	0.81		1	0.038	0.12	mg/Kg	10/20/25 11:50	10/22/25 15:39	6020B	SW3050
7440-43-9	Cadmium	5.84		1	0.021	0.12	mg/Kg	10/20/25 11:50	10/22/25 15:39	6020B	SW3050
7440-70-2	Calcium	3220		1	5.70	59.5	mg/Kg	10/20/25 11:50	10/22/25 15:39	6020B	SW3050
7440-47-3	Chromium	154	D	5	0.16	1.19	mg/Kg	10/20/25 11:50	10/22/25 19:41	6020B	SW3050
7440-48-4	Cobalt	8.02		1	0.011	0.12	mg/Kg	10/20/25 11:50	10/22/25 15:39	6020B	SW3050
7440-50-8	Copper	189		1	0.077	0.24	mg/Kg	10/20/25 11:50	10/22/25 15:39	6020B	SW3050
7439-89-6	Iron	17500		1	1.09	5.95	mg/Kg	10/20/25 11:50	10/22/25 15:39	6020B	SW3050
7439-92-1	Lead	289	N	1	0.038	0.12	mg/Kg	10/20/25 11:50	10/22/25 15:39	6020B	SW3050
7439-95-4	Magnesium	4610		1	2.30	59.5	mg/Kg	10/20/25 11:50	10/22/25 15:39	6020B	SW3050
7439-96-5	Manganese	157		1	0.040	0.12	mg/Kg	10/20/25 11:50	10/22/25 15:39	6020B	SW3050
7439-97-6	Mercury	1.22	D	10	0.097	0.18	mg/Kg	10/20/25 09:30	10/22/25 14:23	7471B	7471B
7440-02-0	Nickel	49.1		1	0.051	0.12	mg/Kg	10/20/25 11:50	10/22/25 15:39	6020B	SW3050
7440-09-7	Potassium	1400		1	4.57	59.5	mg/Kg	10/20/25 11:50	10/22/25 15:39	6020B	SW3050
7782-49-2	Selenium	1.01		1	0.33	0.60	mg/Kg	10/20/25 11:50	10/22/25 15:39	6020B	SW3050
7440-22-4	Silver	3.79	N	1	0.031	0.12	mg/Kg	10/20/25 11:50	10/22/25 15:39	6020B	SW3050
7440-23-5	Sodium	4120		1	8.35	59.5	mg/Kg	10/20/25 11:50	10/22/25 15:39	6020B	SW3050
7440-28-0	Thallium	0.17		1	0.017	0.12	mg/Kg	10/20/25 11:50	10/22/25 15:39	6020B	SW3050
7440-62-2	Vanadium	30.2		1	0.013	0.60	mg/Kg	10/20/25 11:50	10/22/25 15:39	6020B	SW3050
7440-66-6	Zinc	391		1	0.11	0.60	mg/Kg	10/20/25 11:50	10/22/25 15:39	6020B	SW3050

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
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-010074-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	55.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10600		1	0.52	2.87	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050
7440-36-0	Antimony	0.16	J	1	0.065	0.29	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050
7440-38-2	Arsenic	38.9		1	0.017	0.14	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050
7440-39-3	Barium	172		1	0.047	1.44	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050
7440-41-7	Beryllium	0.83		1	0.046	0.14	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050
7440-43-9	Cadmium	1.98		1	0.026	0.14	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050
7440-70-2	Calcium	4280		1	6.87	71.8	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050
7440-47-3	Chromium	85.7		1	0.037	0.29	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050
7440-48-4	Cobalt	10.1		1	0.013	0.14	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050
7440-50-8	Copper	181		1	0.093	0.29	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050
7439-89-6	Iron	28700		1	1.32	7.18	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050
7439-92-1	Lead	362	N	1	0.046	0.14	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050
7439-95-4	Magnesium	5940		1	2.77	71.8	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050
7439-96-5	Manganese	399		1	0.049	0.14	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050
7439-97-6	Mercury	2.51	D	10	0.13	0.23	mg/Kg	10/20/25 09:30	10/22/25 14:26	7471B	7471B
7440-02-0	Nickel	43.2		1	0.062	0.14	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050
7440-09-7	Potassium	2210		1	5.51	71.8	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050
7782-49-2	Selenium	1.56		1	0.40	0.72	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050
7440-22-4	Silver	2.32	N	1	0.037	0.14	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050
7440-23-5	Sodium	3090		1	10.1	71.8	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050
7440-28-0	Thallium	0.26		1	0.020	0.14	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050
7440-62-2	Vanadium	33.6		1	0.016	0.72	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050
7440-66-6	Zinc	295		1	0.13	0.72	mg/Kg	10/20/25 11:50	10/22/25 15:42	6020B	SW3050

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LOQ = Limit of Quantitation
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LOD = Limit of Detection
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J = Estimated Value
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OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP02-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	66.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	11200		1	0.47	2.61	mg/Kg	10/20/25 11:50	10/22/25 16:03	6020B	SW3050
7440-36-0	Antimony	0.25	J	1	0.059	0.26	mg/Kg	10/20/25 11:50	10/22/25 16:03	6020B	SW3050
7440-38-2	Arsenic	25.7		1	0.016	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:03	6020B	SW3050
7440-39-3	Barium	338		1	0.043	1.30	mg/Kg	10/20/25 11:50	10/22/25 16:03	6020B	SW3050
7440-41-7	Beryllium	1.17		1	0.042	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:03	6020B	SW3050
7440-43-9	Cadmium	11.7		1	0.023	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:03	6020B	SW3050
7440-70-2	Calcium	10200		1	6.24	65.2	mg/Kg	10/20/25 11:50	10/22/25 16:03	6020B	SW3050
7440-47-3	Chromium	322	D	5	0.17	1.30	mg/Kg	10/20/25 11:50	10/22/25 19:57	6020B	SW3050
7440-48-4	Cobalt	14.5		1	0.012	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:03	6020B	SW3050
7440-50-8	Copper	365		1	0.085	0.26	mg/Kg	10/20/25 11:50	10/22/25 16:03	6020B	SW3050
7439-89-6	Iron	36100	D	5	6.00	32.6	mg/Kg	10/20/25 11:50	10/22/25 19:57	6020B	SW3050
7439-92-1	Lead	828	DN	5	0.21	0.65	mg/Kg	10/20/25 11:50	10/22/25 19:57	6020B	SW3050
7439-95-4	Magnesium	8880		1	2.52	65.2	mg/Kg	10/20/25 11:50	10/22/25 16:03	6020B	SW3050
7439-96-5	Manganese	262		1	0.044	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:03	6020B	SW3050
7439-97-6	Mercury	1.07	D	10	0.097	0.18	mg/Kg	10/20/25 09:30	10/22/25 14:28	7471B	7471B
7440-02-0	Nickel	96.6		1	0.056	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:03	6020B	SW3050
7440-09-7	Potassium	2400		1	5.01	65.2	mg/Kg	10/20/25 11:50	10/22/25 16:03	6020B	SW3050
7782-49-2	Selenium	2.35		1	0.37	0.65	mg/Kg	10/20/25 11:50	10/22/25 16:03	6020B	SW3050
7440-22-4	Silver	6.01	N	1	0.034	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:03	6020B	SW3050
7440-23-5	Sodium	7920		1	9.15	65.2	mg/Kg	10/20/25 11:50	10/22/25 16:03	6020B	SW3050
7440-28-0	Thallium	0.31		1	0.018	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:03	6020B	SW3050
7440-62-2	Vanadium	63.9		1	0.014	0.65	mg/Kg	10/20/25 11:50	10/22/25 16:03	6020B	SW3050
7440-66-6	Zinc	760		1	0.12	0.65	mg/Kg	10/20/25 11:50	10/22/25 16:03	6020B	SW3050

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LOQ = Limit of Quantitation
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OR = Over Range
N =Spiked sample recovery not within control limits

METAL CALIBRATION DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV79	Mercury	3.76	4.0	94	90 - 110	CV	10/20/2025	14:21	LB137584

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV57	Mercury	5.10	5.0	102	90 - 110	CV	10/20/2025	14:26	LB137584
CCV58	Mercury	4.95	5.0	99	90 - 110	CV	10/20/2025	15:05	LB137584
CCV59	Mercury	4.90	5.0	98	90 - 110	CV	10/20/2025	15:40	LB137584
CCV60	Mercury	4.94	5.0	99	90 - 110	CV	10/20/2025	16:17	LB137584
CCV61	Mercury	5.03	5.0	101	90 - 110	CV	10/21/2025	08:57	LB137584

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV83	Mercury	3.78	4.0	94	90 - 110	CV	10/22/2025	11:29	LB137610

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV71	Mercury	4.98	5.0	100	90 - 110	CV	10/22/2025	11:34	LB137610
CCV72	Mercury	4.71	5.0	94	90 - 110	CV	10/22/2025	12:14	LB137610
CCV73	Mercury	4.89	5.0	98	90 - 110	CV	10/22/2025	12:48	LB137610
CCV74	Mercury	5.24	5.0	105	90 - 110	CV	10/22/2025	13:23	LB137610
CCV75	Mercury	5.38	5.0	108	90 - 110	CV	10/22/2025	14:11	LB137610
CCV76	Mercury	5.22	5.0	104	90 - 110	CV	10/22/2025	14:42	LB137610
CCV77	Mercury	5.43	5.0	109	90 - 110	CV	10/22/2025	14:59	LB137610

Alliance TECHNICAL GROUP
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- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	1540	1600	96	90 - 110	P	10/22/2025	12:38	LB137619
	Antimony	422	400	106	90 - 110	P	10/22/2025	12:38	LB137619
	Arsenic	362	400	90	90 - 110	P	10/22/2025	12:38	LB137619
	Barium	1640	1600	103	90 - 110	P	10/22/2025	12:38	LB137619
	Beryllium	42.9	40.0	107	90 - 110	P	10/22/2025	12:38	LB137619
	Cadmium	215	200	107	90 - 110	P	10/22/2025	12:38	LB137619
	Calcium	4260	4000	106	90 - 110	P	10/22/2025	12:38	LB137619
	Chromium	160	160	100	90 - 110	P	10/22/2025	12:38	LB137619
	Cobalt	406	400	101	90 - 110	P	10/22/2025	12:38	LB137619
	Copper	189	200	95	90 - 110	P	10/22/2025	12:38	LB137619
	Iron	863	800	108	90 - 110	P	10/22/2025	12:38	LB137619
	Lead	383	400	96	90 - 110	P	10/22/2025	12:38	LB137619
	Magnesium	3720	4000	93	90 - 110	P	10/22/2025	12:38	LB137619
	Manganese	363	400	91	90 - 110	P	10/22/2025	12:38	LB137619
	Nickel	404	400	101	90 - 110	P	10/22/2025	12:38	LB137619
	Potassium	4110	4000	103	90 - 110	P	10/22/2025	12:38	LB137619
	Selenium	417	400	104	90 - 110	P	10/22/2025	12:38	LB137619
	Silver	213	200	106	90 - 110	P	10/22/2025	12:38	LB137619
	Sodium	4030	4000	101	90 - 110	P	10/22/2025	12:38	LB137619
	Thallium	389	400	97	90 - 110	P	10/22/2025	12:38	LB137619
	Vanadium	402	400	101	90 - 110	P	10/22/2025	12:38	LB137619
	Zinc	380	400	95	90 - 110	P	10/22/2025	12:38	LB137619

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	20.7	20.0	104	80 - 120	P	10/22/2025	13:12	LB137619
	Antimony	2.09	2.0	104	80 - 120	P	10/22/2025	13:12	LB137619
	Arsenic	1.20	1.0	120	80 - 120	P	10/22/2025	13:12	LB137619
	Barium	9.64	10.0	96	80 - 120	P	10/22/2025	13:12	LB137619
	Beryllium	1.11	1.0	111	80 - 120	P	10/22/2025	13:12	LB137619
	Cadmium	0.81	1.0	81	80 - 120	P	10/22/2025	13:12	LB137619
	Calcium	528	500	106	80 - 120	P	10/22/2025	13:12	LB137619
	Chromium	1.93	2.0	96	80 - 120	P	10/22/2025	13:12	LB137619
	Cobalt	1.03	1.0	103	80 - 120	P	10/22/2025	13:12	LB137619
	Copper	1.95	2.0	98	80 - 120	P	10/22/2025	13:12	LB137619
	Iron	59.8	50.0	120	80 - 120	P	10/22/2025	13:12	LB137619
	Lead	0.82	1.0	82	80 - 120	P	10/22/2025	13:12	LB137619
	Magnesium	479	500	96	80 - 120	P	10/22/2025	13:12	LB137619
	Manganese	1.03	1.0	103	80 - 120	P	10/22/2025	13:12	LB137619
	Nickel	1.07	1.0	107	80 - 120	P	10/22/2025	13:12	LB137619
	Potassium	524	500	105	80 - 120	P	10/22/2025	13:12	LB137619
	Selenium	4.39	5.0	88	80 - 120	P	10/22/2025	13:12	LB137619
	Silver	1.10	1.0	110	80 - 120	P	10/22/2025	13:12	LB137619
	Sodium	492	500	98	80 - 120	P	10/22/2025	13:12	LB137619
	Thallium	0.95	1.0	95	80 - 120	P	10/22/2025	13:12	LB137619
	Vanadium	4.93	5.0	99	80 - 120	P	10/22/2025	13:12	LB137619
	Zinc	5.69	5.0	114	80 - 120	P	10/22/2025	13:12	LB137619

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	50200	50000	100	90 - 110	P	10/22/2025	13:27	LB137619
	Antimony	504	500	101	90 - 110	P	10/22/2025	13:27	LB137619
	Arsenic	491	500	98	90 - 110	P	10/22/2025	13:27	LB137619
	Barium	2490	2500	100	90 - 110	P	10/22/2025	13:27	LB137619
	Beryllium	490	500	98	90 - 110	P	10/22/2025	13:27	LB137619
	Cadmium	482	500	96	90 - 110	P	10/22/2025	13:27	LB137619
	Calcium	241000	250000	96	90 - 110	P	10/22/2025	13:27	LB137619
	Chromium	489	500	98	90 - 110	P	10/22/2025	13:27	LB137619
	Cobalt	499	500	100	90 - 110	P	10/22/2025	13:27	LB137619
	Copper	4850	5000	97	90 - 110	P	10/22/2025	13:27	LB137619
	Iron	129000	125000	103	90 - 110	P	10/22/2025	13:27	LB137619
	Lead	2470	2500	99	90 - 110	P	10/22/2025	13:27	LB137619
	Magnesium	252000	250000	101	90 - 110	P	10/22/2025	13:27	LB137619
	Manganese	4970	5000	99	90 - 110	P	10/22/2025	13:27	LB137619
	Nickel	481	500	96	90 - 110	P	10/22/2025	13:27	LB137619
	Potassium	126000	125000	101	90 - 110	P	10/22/2025	13:27	LB137619
	Selenium	460	500	92	90 - 110	P	10/22/2025	13:27	LB137619
	Silver	495	500	99	90 - 110	P	10/22/2025	13:27	LB137619
	Sodium	252000	250000	101	90 - 110	P	10/22/2025	13:27	LB137619
	Thallium	502	500	100	90 - 110	P	10/22/2025	13:27	LB137619
	Vanadium	506	500	101	90 - 110	P	10/22/2025	13:27	LB137619
	Zinc	4780	5000	96	90 - 110	P	10/22/2025	13:27	LB137619
CCV02	Aluminum	50600	50000	101	90 - 110	P	10/22/2025	14:11	LB137619
	Antimony	515	500	103	90 - 110	P	10/22/2025	14:11	LB137619
	Arsenic	488	500	98	90 - 110	P	10/22/2025	14:11	LB137619
	Barium	2590	2500	104	90 - 110	P	10/22/2025	14:11	LB137619
	Beryllium	504	500	101	90 - 110	P	10/22/2025	14:11	LB137619
	Cadmium	497	500	99	90 - 110	P	10/22/2025	14:11	LB137619
	Calcium	251000	250000	100	90 - 110	P	10/22/2025	14:11	LB137619
	Chromium	494	500	99	90 - 110	P	10/22/2025	14:11	LB137619
	Cobalt	494	500	99	90 - 110	P	10/22/2025	14:11	LB137619
	Copper	4940	5000	99	90 - 110	P	10/22/2025	14:11	LB137619
	Iron	129000	125000	103	90 - 110	P	10/22/2025	14:11	LB137619
	Lead	2550	2500	102	90 - 110	P	10/22/2025	14:11	LB137619

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	252000	250000	101	90 - 110	P	10/22/2025	14:11	LB137619
	Manganese	5010	5000	100	90 - 110	P	10/22/2025	14:11	LB137619
	Nickel	486	500	97	90 - 110	P	10/22/2025	14:11	LB137619
	Potassium	128000	125000	102	90 - 110	P	10/22/2025	14:11	LB137619
	Selenium	469	500	94	90 - 110	P	10/22/2025	14:11	LB137619
	Silver	511	500	102	90 - 110	P	10/22/2025	14:11	LB137619
	Sodium	254000	250000	102	90 - 110	P	10/22/2025	14:11	LB137619
	Thallium	527	500	106	90 - 110	P	10/22/2025	14:11	LB137619
	Vanadium	507	500	101	90 - 110	P	10/22/2025	14:11	LB137619
	Zinc	4770	5000	96	90 - 110	P	10/22/2025	14:11	LB137619
CCV03	Aluminum	49800	50000	100	90 - 110	P	10/22/2025	14:54	LB137619
	Antimony	522	500	104	90 - 110	P	10/22/2025	14:54	LB137619
	Arsenic	493	500	99	90 - 110	P	10/22/2025	14:54	LB137619
	Barium	2570	2500	103	90 - 110	P	10/22/2025	14:54	LB137619
	Beryllium	511	500	102	90 - 110	P	10/22/2025	14:54	LB137619
	Cadmium	504	500	101	90 - 110	P	10/22/2025	14:54	LB137619
	Calcium	256000	250000	102	90 - 110	P	10/22/2025	14:54	LB137619
	Chromium	494	500	99	90 - 110	P	10/22/2025	14:54	LB137619
	Cobalt	496	500	99	90 - 110	P	10/22/2025	14:54	LB137619
	Copper	4940	5000	99	90 - 110	P	10/22/2025	14:54	LB137619
	Iron	130000	125000	104	90 - 110	P	10/22/2025	14:54	LB137619
	Lead	2570	2500	103	90 - 110	P	10/22/2025	14:54	LB137619
	Magnesium	254000	250000	102	90 - 110	P	10/22/2025	14:54	LB137619
	Manganese	5110	5000	102	90 - 110	P	10/22/2025	14:54	LB137619
	Nickel	484	500	97	90 - 110	P	10/22/2025	14:54	LB137619
	Potassium	126000	125000	101	90 - 110	P	10/22/2025	14:54	LB137619
	Selenium	480	500	96	90 - 110	P	10/22/2025	14:54	LB137619
	Silver	522	500	104	90 - 110	P	10/22/2025	14:54	LB137619
	Sodium	251000	250000	100	90 - 110	P	10/22/2025	14:54	LB137619
	Thallium	524	500	105	90 - 110	P	10/22/2025	14:54	LB137619
	Vanadium	508	500	102	90 - 110	P	10/22/2025	14:54	LB137619
	Zinc	4800	5000	96	90 - 110	P	10/22/2025	14:54	LB137619
CCV04	Aluminum	51200	50000	102	90 - 110	P	10/22/2025	15:45	LB137619
	Antimony	514	500	103	90 - 110	P	10/22/2025	15:45	LB137619

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	493	500	99	90 - 110	P	10/22/2025	15:45	LB137619
	Barium	2560	2500	102	90 - 110	P	10/22/2025	15:45	LB137619
	Beryllium	511	500	102	90 - 110	P	10/22/2025	15:45	LB137619
	Cadmium	497	500	99	90 - 110	P	10/22/2025	15:45	LB137619
	Calcium	257000	250000	103	90 - 110	P	10/22/2025	15:45	LB137619
	Chromium	505	500	101	90 - 110	P	10/22/2025	15:45	LB137619
	Cobalt	497	500	99	90 - 110	P	10/22/2025	15:45	LB137619
	Copper	5000	5000	100	90 - 110	P	10/22/2025	15:45	LB137619
	Iron	131000	125000	105	90 - 110	P	10/22/2025	15:45	LB137619
	Lead	2530	2500	101	90 - 110	P	10/22/2025	15:45	LB137619
	Magnesium	253000	250000	101	90 - 110	P	10/22/2025	15:45	LB137619
	Manganese	5090	5000	102	90 - 110	P	10/22/2025	15:45	LB137619
	Nickel	487	500	98	90 - 110	P	10/22/2025	15:45	LB137619
	Potassium	128000	125000	102	90 - 110	P	10/22/2025	15:45	LB137619
	Selenium	480	500	96	90 - 110	P	10/22/2025	15:45	LB137619
	Silver	513	500	103	90 - 110	P	10/22/2025	15:45	LB137619
	Sodium	253000	250000	101	90 - 110	P	10/22/2025	15:45	LB137619
	Thallium	522	500	104	90 - 110	P	10/22/2025	15:45	LB137619
	Vanadium	508	500	102	90 - 110	P	10/22/2025	15:45	LB137619
	Zinc	4860	5000	97	90 - 110	P	10/22/2025	15:45	LB137619
CCV05	Aluminum	50100	50000	100	90 - 110	P	10/22/2025	16:46	LB137619
	Antimony	513	500	103	90 - 110	P	10/22/2025	16:46	LB137619
	Arsenic	488	500	98	90 - 110	P	10/22/2025	16:46	LB137619
	Barium	2570	2500	103	90 - 110	P	10/22/2025	16:46	LB137619
	Beryllium	490	500	98	90 - 110	P	10/22/2025	16:46	LB137619
	Cadmium	493	500	99	90 - 110	P	10/22/2025	16:46	LB137619
	Calcium	248000	250000	99	90 - 110	P	10/22/2025	16:46	LB137619
	Chromium	496	500	99	90 - 110	P	10/22/2025	16:46	LB137619
	Cobalt	498	500	100	90 - 110	P	10/22/2025	16:46	LB137619
	Copper	4940	5000	99	90 - 110	P	10/22/2025	16:46	LB137619
	Iron	131000	125000	104	90 - 110	P	10/22/2025	16:46	LB137619
	Lead	2580	2500	103	90 - 110	P	10/22/2025	16:46	LB137619
	Magnesium	250000	250000	100	90 - 110	P	10/22/2025	16:46	LB137619
	Manganese	4980	5000	100	90 - 110	P	10/22/2025	16:46	LB137619

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	481	500	96	90 - 110	P	10/22/2025	16:46	LB137619
	Potassium	126000	125000	101	90 - 110	P	10/22/2025	16:46	LB137619
	Selenium	473	500	95	90 - 110	P	10/22/2025	16:46	LB137619
	Silver	508	500	102	90 - 110	P	10/22/2025	16:46	LB137619
	Sodium	252000	250000	101	90 - 110	P	10/22/2025	16:46	LB137619
	Thallium	518	500	104	90 - 110	P	10/22/2025	16:46	LB137619
	Vanadium	503	500	101	90 - 110	P	10/22/2025	16:46	LB137619
	Zinc	4810	5000	96	90 - 110	P	10/22/2025	16:46	LB137619
CCV06	Aluminum	50300	50000	101	90 - 110	P	10/22/2025	17:59	LB137619
	Antimony	490	500	98	90 - 110	P	10/22/2025	17:59	LB137619
	Arsenic	484	500	97	90 - 110	P	10/22/2025	17:59	LB137619
	Barium	2460	2500	98	90 - 110	P	10/22/2025	17:59	LB137619
	Beryllium	514	500	103	90 - 110	P	10/22/2025	17:59	LB137619
	Cadmium	468	500	94	90 - 110	P	10/22/2025	17:59	LB137619
	Calcium	255000	250000	102	90 - 110	P	10/22/2025	17:59	LB137619
	Chromium	494	500	99	90 - 110	P	10/22/2025	17:59	LB137619
	Cobalt	495	500	99	90 - 110	P	10/22/2025	17:59	LB137619
	Copper	4930	5000	99	90 - 110	P	10/22/2025	17:59	LB137619
	Iron	130000	125000	104	90 - 110	P	10/22/2025	17:59	LB137619
	Lead	2550	2500	102	90 - 110	P	10/22/2025	17:59	LB137619
	Magnesium	256000	250000	102	90 - 110	P	10/22/2025	17:59	LB137619
	Manganese	5040	5000	101	90 - 110	P	10/22/2025	17:59	LB137619
	Nickel	481	500	96	90 - 110	P	10/22/2025	17:59	LB137619
	Potassium	125000	125000	100	90 - 110	P	10/22/2025	17:59	LB137619
	Selenium	470	500	94	90 - 110	P	10/22/2025	17:59	LB137619
	Silver	484	500	97	90 - 110	P	10/22/2025	17:59	LB137619
	Sodium	252000	250000	101	90 - 110	P	10/22/2025	17:59	LB137619
	Thallium	510	500	102	90 - 110	P	10/22/2025	17:59	LB137619
	Vanadium	503	500	101	90 - 110	P	10/22/2025	17:59	LB137619
	Zinc	4870	5000	98	90 - 110	P	10/22/2025	17:59	LB137619
CCV07	Aluminum	49700	50000	99	90 - 110	P	10/22/2025	18:41	LB137619
	Antimony	505	500	101	90 - 110	P	10/22/2025	18:41	LB137619
	Arsenic	487	500	97	90 - 110	P	10/22/2025	18:41	LB137619
	Barium	2530	2500	101	90 - 110	P	10/22/2025	18:41	LB137619

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	504	500	101	90 - 110	P	10/22/2025	18:41	LB137619
	Cadmium	484	500	97	90 - 110	P	10/22/2025	18:41	LB137619
	Calcium	256000	250000	102	90 - 110	P	10/22/2025	18:41	LB137619
	Chromium	496	500	99	90 - 110	P	10/22/2025	18:41	LB137619
	Cobalt	497	500	99	90 - 110	P	10/22/2025	18:41	LB137619
	Copper	5000	5000	100	90 - 110	P	10/22/2025	18:41	LB137619
	Iron	132000	125000	105	90 - 110	P	10/22/2025	18:41	LB137619
	Lead	2550	2500	102	90 - 110	P	10/22/2025	18:41	LB137619
	Magnesium	253000	250000	101	90 - 110	P	10/22/2025	18:41	LB137619
	Manganese	5030	5000	101	90 - 110	P	10/22/2025	18:41	LB137619
	Nickel	482	500	96	90 - 110	P	10/22/2025	18:41	LB137619
	Potassium	126000	125000	101	90 - 110	P	10/22/2025	18:41	LB137619
	Selenium	467	500	93	90 - 110	P	10/22/2025	18:41	LB137619
	Silver	500	500	100	90 - 110	P	10/22/2025	18:41	LB137619
	Sodium	253000	250000	101	90 - 110	P	10/22/2025	18:41	LB137619
	Thallium	530	500	106	90 - 110	P	10/22/2025	18:41	LB137619
	Vanadium	502	500	100	90 - 110	P	10/22/2025	18:41	LB137619
	Zinc	4890	5000	98	90 - 110	P	10/22/2025	18:41	LB137619
CCV08	Aluminum	50200	50000	100	90 - 110	P	10/22/2025	19:44	LB137619
	Antimony	512	500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Arsenic	486	500	97	90 - 110	P	10/22/2025	19:44	LB137619
	Barium	2540	2500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Beryllium	513	500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Cadmium	483	500	97	90 - 110	P	10/22/2025	19:44	LB137619
	Calcium	256000	250000	103	90 - 110	P	10/22/2025	19:44	LB137619
	Chromium	504	500	101	90 - 110	P	10/22/2025	19:44	LB137619
	Cobalt	508	500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Copper	5120	5000	102	90 - 110	P	10/22/2025	19:44	LB137619
	Iron	132000	125000	106	90 - 110	P	10/22/2025	19:44	LB137619
	Lead	2560	2500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Magnesium	255000	250000	102	90 - 110	P	10/22/2025	19:44	LB137619
	Manganese	5090	5000	102	90 - 110	P	10/22/2025	19:44	LB137619
	Nickel	492	500	98	90 - 110	P	10/22/2025	19:44	LB137619
	Potassium	128000	125000	102	90 - 110	P	10/22/2025	19:44	LB137619

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	473	500	95	90 - 110	P	10/22/2025	19:44	LB137619
	Silver	504	500	101	90 - 110	P	10/22/2025	19:44	LB137619
	Sodium	256000	250000	102	90 - 110	P	10/22/2025	19:44	LB137619
	Thallium	525	500	105	90 - 110	P	10/22/2025	19:44	LB137619
	Vanadium	510	500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Zinc	4950	5000	99	90 - 110	P	10/22/2025	19:44	LB137619
CCV09	Aluminum	52600	50000	105	90 - 110	P	10/22/2025	20:28	LB137619
	Antimony	536	500	107	90 - 110	P	10/22/2025	20:28	LB137619
	Arsenic	508	500	102	90 - 110	P	10/22/2025	20:28	LB137619
	Barium	2660	2500	106	90 - 110	P	10/22/2025	20:28	LB137619
	Beryllium	534	500	107	90 - 110	P	10/22/2025	20:28	LB137619
	Cadmium	504	500	101	90 - 110	P	10/22/2025	20:28	LB137619
	Calcium	261000	250000	104	90 - 110	P	10/22/2025	20:28	LB137619
	Chromium	521	500	104	90 - 110	P	10/22/2025	20:28	LB137619
	Cobalt	527	500	105	90 - 110	P	10/22/2025	20:28	LB137619
	Copper	5240	5000	105	90 - 110	P	10/22/2025	20:28	LB137619
	Iron	137000	125000	109	90 - 110	P	10/22/2025	20:28	LB137619
	Lead	2650	2500	106	90 - 110	P	10/22/2025	20:28	LB137619
	Magnesium	263000	250000	105	90 - 110	P	10/22/2025	20:28	LB137619
	Manganese	5330	5000	107	90 - 110	P	10/22/2025	20:28	LB137619
	Nickel	507	500	102	90 - 110	P	10/22/2025	20:28	LB137619
	Potassium	130000	125000	104	90 - 110	P	10/22/2025	20:28	LB137619
	Selenium	489	500	98	90 - 110	P	10/22/2025	20:28	LB137619
	Silver	530	500	106	90 - 110	P	10/22/2025	20:28	LB137619
	Sodium	262000	250000	105	90 - 110	P	10/22/2025	20:28	LB137619
	Thallium	542	500	108	90 - 110	P	10/22/2025	20:28	LB137619
	Vanadium	529	500	106	90 - 110	P	10/22/2025	20:28	LB137619
	Zinc	5160	5000	103	90 - 110	P	10/22/2025	20:28	LB137619
CCV10	Aluminum	50800	50000	102	90 - 110	P	10/22/2025	21:03	LB137619
	Antimony	520	500	104	90 - 110	P	10/22/2025	21:03	LB137619
	Arsenic	496	500	99	90 - 110	P	10/22/2025	21:03	LB137619
	Barium	2600	2500	104	90 - 110	P	10/22/2025	21:03	LB137619
	Beryllium	519	500	104	90 - 110	P	10/22/2025	21:03	LB137619
	Cadmium	492	500	98	90 - 110	P	10/22/2025	21:03	LB137619

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM
SDG No.: Q3375
Contract: AECO02
Lab Code: ACE
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV10	Calcium	256000	250000	102	90 - 110	P	10/22/2025	21:03	LB137619
	Chromium	516	500	103	90 - 110	P	10/22/2025	21:03	LB137619
	Cobalt	528	500	106	90 - 110	P	10/22/2025	21:03	LB137619
	Copper	5240	5000	105	90 - 110	P	10/22/2025	21:03	LB137619
	Iron	137000	125000	110	90 - 110	P	10/22/2025	21:03	LB137619
	Lead	2650	2500	106	90 - 110	P	10/22/2025	21:03	LB137619
	Magnesium	259000	250000	104	90 - 110	P	10/22/2025	21:03	LB137619
	Manganese	5280	5000	106	90 - 110	P	10/22/2025	21:03	LB137619
	Nickel	501	500	100	90 - 110	P	10/22/2025	21:03	LB137619
	Potassium	130000	125000	104	90 - 110	P	10/22/2025	21:03	LB137619
	Selenium	495	500	99	90 - 110	P	10/22/2025	21:03	LB137619
	Silver	516	500	103	90 - 110	P	10/22/2025	21:03	LB137619
	Sodium	260000	250000	104	90 - 110	P	10/22/2025	21:03	LB137619
	Thallium	535	500	107	90 - 110	P	10/22/2025	21:03	LB137619
	Vanadium	527	500	106	90 - 110	P	10/22/2025	21:03	LB137619
	Zinc	5100	5000	102	90 - 110	P	10/22/2025	21:03	LB137619

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.19	0.2	95	70 - 130	CV	10/20/2025	14:35	LB137584
CRA	Mercury	0.17	0.2	86	70 - 130	CV	10/22/2025	11:39	LB137610
CRI01	Aluminum	20.9	20.0	105	70 - 130	P	10/22/2025	13:33	LB137619
	Antimony	2.06	2.0	103	70 - 130	P	10/22/2025	13:33	LB137619
	Arsenic	1.12	1.0	112	70 - 130	P	10/22/2025	13:33	LB137619
	Barium	9.63	10.0	96	70 - 130	P	10/22/2025	13:33	LB137619
	Beryllium	1.08	1.0	108	70 - 130	P	10/22/2025	13:33	LB137619
	Cadmium	0.86	1.0	86	70 - 130	P	10/22/2025	13:33	LB137619
	Calcium	532	500	106	70 - 130	P	10/22/2025	13:33	LB137619
	Chromium	1.99	2.0	100	70 - 130	P	10/22/2025	13:33	LB137619
	Cobalt	1.05	1.0	105	50 - 150	P	10/22/2025	13:33	LB137619
	Copper	2.06	2.0	103	70 - 130	P	10/22/2025	13:33	LB137619
	Iron	60.0	50.0	120	70 - 130	P	10/22/2025	13:33	LB137619
	Lead	0.86	1.0	86	70 - 130	P	10/22/2025	13:33	LB137619
	Magnesium	489	500	98	70 - 130	P	10/22/2025	13:33	LB137619
	Manganese	1.05	1.0	105	50 - 150	P	10/22/2025	13:33	LB137619
	Nickel	1.13	1.0	113	70 - 130	P	10/22/2025	13:33	LB137619
	Potassium	537	500	108	70 - 130	P	10/22/2025	13:33	LB137619
	Selenium	4.66	5.0	93	70 - 130	P	10/22/2025	13:33	LB137619
	Silver	1.12	1.0	112	70 - 130	P	10/22/2025	13:33	LB137619
	Sodium	532	500	106	70 - 130	P	10/22/2025	13:33	LB137619
	Thallium	1.00	1.0	100	70 - 130	P	10/22/2025	13:33	LB137619
	Vanadium	4.93	5.0	99	70 - 130	P	10/22/2025	13:33	LB137619
	Zinc	5.85	5.0	117	50 - 150	P	10/22/2025	13:33	LB137619

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB79	Mercury	0.076	+/-0.2	U	0.20	CV	10/20/2025	14:23	LB137584

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB57	Mercury	0.076	+/-0.2	U	0.20	CV	10/20/2025	14:28	LB137584
CCB58	Mercury	0.076	+/-0.2	U	0.20	CV	10/20/2025	15:08	LB137584
CCB59	Mercury	0.076	+/-0.2	U	0.20	CV	10/20/2025	15:43	LB137584
CCB60	Mercury	0.076	+/-0.2	U	0.20	CV	10/20/2025	16:20	LB137584
CCB61	Mercury	0.076	+/-0.2	U	0.20	CV	10/21/2025	09:00	LB137584

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB83	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	11:31	LB137610

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB71	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	11:36	LB137610
CCB72	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	12:16	LB137610
CCB73	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	12:54	LB137610
CCB74	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	13:26	LB137610
CCB75	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	14:13	LB137610
CCB76	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	14:44	LB137610
CCB77	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	15:02	LB137610

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	13:16	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	13:16	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	13:16	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	13:16	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	13:16	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	13:16	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	13:16	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	13:16	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	13:16	LB137619

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	13:30	LB137619
	Antimony	0.17	+/-1	J	2.00	P	10/22/2025	13:30	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	13:30	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	13:30	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	13:30	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	13:30	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	13:30	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	13:30	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	13:30	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	13:30	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	13:30	LB137619
	Thallium	0.080	+/-0.5	J	1.00	P	10/22/2025	13:30	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	13:30	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	13:30	LB137619
CCB02	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	14:18	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	14:18	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	14:18	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	14:18	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	14:18	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	14:18	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	14:18	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	14:18	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	14:18	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	14:18	LB137619

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	14:18	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	14:18	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	14:18	LB137619
CCB03	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	15:05	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	15:05	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	15:05	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	15:05	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	15:05	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	15:05	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	15:05	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	15:05	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	15:05	LB137619
CCB04	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	16:00	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	16:00	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	16:00	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	16:00	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	16:00	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	16:00	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	16:00	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	19.5	+/-250	U	500	P	10/22/2025	16:00	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	16:00	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	16:00	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	16:00	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	16:00	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	16:00	LB137619
CCB05	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	16:55	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	16:55	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	16:55	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	16:55	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	16:55	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	16:55	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	16:55	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	16:55	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	16:55	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	16:55	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Sodium	182	+/-250	J	500	P	10/22/2025	16:55	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	16:55	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	16:55	LB137619
CCB06	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	18:10	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	18:10	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	18:10	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	18:10	LB137619

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	18:10	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	18:10	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	18:10	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	18:10	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	18:10	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	18:10	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	18:10	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	18:10	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	18:10	LB137619
CCB07	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	18:49	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	18:49	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	18:49	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	18:49	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	18:49	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	18:49	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	18:49	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	18:49	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	18:49	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	18:49	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	18:49	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	18:49	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	18:49	LB137619
CCB08	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	19:52	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	19:52	LB137619

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	19:52	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	19:52	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	19:52	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	19:52	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	19:52	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	19:52	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	19:52	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	19:52	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	19:52	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	19:52	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	19:52	LB137619
CCB09	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	20:31	LB137619
	Antimony	0.18	+/-1	J	2.00	P	10/22/2025	20:31	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	20:31	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	20:31	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	20:31	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	20:31	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	20:31	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	20:31	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Potassium	43.9	+/-250	J	500	P	10/22/2025	20:31	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	20:31	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	20:31	LB137619

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	20:31	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	20:31	LB137619
CCB10	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	21:06	LB137619
	Antimony	0.19	+/-1	J	2.00	P	10/22/2025	21:06	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	21:06	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	21:06	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	21:06	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	21:06	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	21:06	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	21:06	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	21:06	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	21:06	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	21:06	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	21:06	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	21:06	LB137619

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Metals
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PREPARATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3375

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170170BL		**SOLID**		**Batch Number:**	**PB170170**		**Prep Date:**	**10/20/2025**	
	Mercury	0.0080	<0.014	U	0.014	CV	10/20/2025	14:42	LB137584

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PREPARATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3375

Instrument: P7

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170158BL		**SOLID**		**Batch Number:**	**PB170158**		**Prep Date:**	**10/20/2025**	
	Aluminum	0.36	<1	U	2.00	P	10/22/2025	15:20	LB137619
	Antimony	0.045	<0.1	U	0.20	P	10/22/2025	15:20	LB137619
	Arsenic	0.012	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Barium	0.033	<0.5	U	1.00	P	10/22/2025	15:20	LB137619
	Beryllium	0.032	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Cadmium	0.018	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Calcium	4.79	<25	U	50.0	P	10/22/2025	15:20	LB137619
	Chromium	0.026	<0.1	U	0.20	P	10/22/2025	15:20	LB137619
	Cobalt	0.0090	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Copper	0.065	<0.1	U	0.20	P	10/22/2025	15:20	LB137619
	Iron	0.92	<2.5	U	5.00	P	10/22/2025	15:20	LB137619
	Lead	0.032	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Magnesium	1.93	<25	U	50.0	P	10/22/2025	15:20	LB137619
	Manganese	0.034	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Nickel	0.043	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Potassium	3.84	<25	U	50.0	P	10/22/2025	15:20	LB137619
	Selenium	0.28	<0.25	U	0.50	P	10/22/2025	15:20	LB137619
	Silver	0.026	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Sodium	7.02	<25	U	50.0	P	10/22/2025	15:20	LB137619
	Thallium	0.014	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Vanadium	0.011	<0.25	U	0.50	P	10/22/2025	15:20	LB137619
	Zinc	0.090	<0.25	U	0.50	P	10/22/2025	15:20	LB137619

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Metals
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INTERFERENCE CHECK SAMPLE

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P7

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	94400	100000	94	0	0	10/22/2025	13:20	LB137619
	Antimony	1.18	1.5	79	-2.5	5.5	10/22/2025	13:20	LB137619
	Arsenic	0.41	0.1	410	-1.9	2.1	10/22/2025	13:20	LB137619
	Barium	1.43	1.2	119	-18.8	21.2	10/22/2025	13:20	LB137619
	Beryllium	0.34			-2	2	10/22/2025	13:20	LB137619
	Cadmium	0.22	0.7	31	-1.3	2.7	10/22/2025	13:20	LB137619
	Calcium	103000	100000	103	0	0	10/22/2025	13:20	LB137619
	Chromium	20.4	21.0	97	17	25	10/22/2025	13:20	LB137619
	Cobalt	1.30	1.0	130	-1	3	10/22/2025	13:20	LB137619
	Copper	7.49	8.0	94	4	12	10/22/2025	13:20	LB137619
	Iron	106000	100000	106	0	0	10/22/2025	13:20	LB137619
	Lead	4.32	4.0	108	2	6	10/22/2025	13:20	LB137619
	Magnesium	96600	100000	97	0	0	10/22/2025	13:20	LB137619
	Manganese	7.76	7.0	111	5	9	10/22/2025	13:20	LB137619
	Nickel	5.51	6.0	92	4	8	10/22/2025	13:20	LB137619
	Potassium	104000	100000	104	0	0	10/22/2025	13:20	LB137619
	Selenium	0	0.3		-9.7	10	10/22/2025	13:20	LB137619
	Silver	0.040			-2	2	10/22/2025	13:20	LB137619
	Sodium	104000	100000	104	0	0	10/22/2025	13:20	LB137619
	Thallium	0.060			-2	2	10/22/2025	13:20	LB137619
	Vanadium	0.24	0.5	48	-9.5	10.5	10/22/2025	13:20	LB137619
	Zinc	10.7	11.0	98	1	21	10/22/2025	13:20	LB137619
ICSAB01	Aluminum	95400	100000	95	0	0	10/22/2025	13:23	LB137619
	Antimony	21.2	22.0	96	18	26	10/22/2025	13:23	LB137619
	Arsenic	18.9	19.0	100	16.2	21.9	10/22/2025	13:23	LB137619
	Barium	21.4	22.0	97	2	42	10/22/2025	13:23	LB137619
	Beryllium	21.6	19.0	114	16.2	21.9	10/22/2025	13:23	LB137619
	Cadmium	20.1	20.0	100	17	23	10/22/2025	13:23	LB137619
	Calcium	101000	100000	101	0	0	10/22/2025	13:23	LB137619
	Chromium	41.2	40.0	103	34	46	10/22/2025	13:23	LB137619
	Cobalt	22.1	20.0	110	17	23	10/22/2025	13:23	LB137619
	Copper	26.8	25.0	107	21	29	10/22/2025	13:23	LB137619
	Iron	106000	100000	106	0	0	10/22/2025	13:23	LB137619
	Lead	23.0	25.0	92	21.3	28.8	10/22/2025	13:23	LB137619
	Magnesium	96100	100000	96	0	0	10/22/2025	13:23	LB137619
	Manganese	26.8	27.0	99	23	31.1	10/22/2025	13:23	LB137619
	Nickel	26.6	24.0	111	20.4	27.6	10/22/2025	13:23	LB137619
	Potassium	104000	100000	104	0	0	10/22/2025	13:23	LB137619
	Selenium	19.1	19.0	100	9	29	10/22/2025	13:23	LB137619
	Silver	19.8	18.0	110	15.3	20.7	10/22/2025	13:23	LB137619
	Sodium	104000	100000	104	0	0	10/22/2025	13:23	LB137619
	Thallium	19.9	21.0	95	17.9	24.2	10/22/2025	13:23	LB137619

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Metals
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INTERFERENCE CHECK SAMPLE

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P7

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	20.9	19.0	110	9	29	10/22/2025	13:23	LB137619
	Zinc	31.0	29.0	107	19	39	10/22/2025	13:23	LB137619

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3375

contract: AECO02 **lab code:** ACE

matrix: Solid **sample id:** Q3374-05 **client id:** TP-5-WCMS

Percent Solids for Sample: 93.1 **Spiked ID:** Q3374-05MS **Percent Solids for Spike Sample:** 93.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.27		0.013	U	0.28	96		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3375

contract: AECO02 **lab code:** ACE

matrix: Solid **sample id:** Q3374-05 **client id:** TP-5-WCMSD

Percent Solids for Sample: 93.1 **Spiked ID:** Q3374-05MSD **Percent Solids for Spike Sample:** 93.1

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.27		0.013	U	0.28	96		CV

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metals
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MATRIX SPIKE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3375

contract: AECO02 **lab code:** ACE

matrix: Solid **sample id:** Q3376-05 **client id:** PR132-S12-020047-20251016MS

Percent Solids for Sample: 66.8 **Spiked ID:** Q3376-05MS **Percent Solids for Spike Sample:** 66.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	7710		6330		1300	109		P
Antimony	mg/Kg	75 - 125	60.1		0.080	J	63.4	95		P
Arsenic	mg/Kg	75 - 125	62.1		7.86		63.4	85		P
Barium	mg/Kg	75 - 125	337		52.4		320	90		P
Beryllium	mg/Kg	75 - 125	57.5		0.74		63.4	89		P
Cadmium	mg/Kg	75 - 125	61.4		1.03		63.4	95		P
Calcium	mg/Kg	75 - 125	11100		4870		6300	99		P
Chromium	mg/Kg	75 - 125	116		49.4		63.4	106		P
Cobalt	mg/Kg	75 - 125	65.6		8.16		63.4	91		P
Copper	mg/Kg	75 - 125	646		103		630	86		P
Iron	mg/Kg	75 - 125	21200		17500		3200	116		P
Lead	mg/Kg	75 - 125	455		235		320	69	N	P
Magnesium	mg/Kg	75 - 125	13400		7170		6300	98		P
Manganese	mg/Kg	75 - 125	753		199		630	87		P
Nickel	mg/Kg	75 - 125	115		56.0		63.4	93		P
Potassium	mg/Kg	75 - 125	4290		1500		3200	88		P
Selenium	mg/Kg	75 - 125	51.5		0.59	J	63.4	80		P
Silver	mg/Kg	75 - 125	11.9		1.80		63.4	16	N	P
Sodium	mg/Kg	75 - 125	11000		4580		6300	101		P
Thallium	mg/Kg	75 - 125	58.8		0.22		63.4	92		P
Vanadium	mg/Kg	75 - 125	80.1		20.6		63.4	94		P
Zinc	mg/Kg	75 - 125	794		259		630	84		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3375

contract: AECO02 **lab code:** ACE

matrix: Solid **sample id:** Q3376-05 **client id:** PR132-S12-020047-20251016MSD

Percent Solids for Sample: 66.8 **Spiked ID:** Q3376-05MSD **Percent Solids for Spike Sample:** 66.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	7900		6330		1300	122		P
Antimony	mg/Kg	75 - 125	60.9		0.080	J	64.5	94		P
Arsenic	mg/Kg	75 - 125	63.1		7.86		64.5	86		P
Barium	mg/Kg	75 - 125	341		52.4		320	90		P
Beryllium	mg/Kg	75 - 125	59.8		0.74		64.5	92		P
Cadmium	mg/Kg	75 - 125	61.3		1.03		64.5	93		P
Calcium	mg/Kg	75 - 125	11300		4870		6500	100		P
Chromium	mg/Kg	75 - 125	119		49.4		64.5	108		P
Cobalt	mg/Kg	75 - 125	66.4		8.16		64.5	90		P
Copper	mg/Kg	75 - 125	657		103		650	86		P
Iron	mg/Kg	75 - 125	21600		17500		3200	127		P
Lead	mg/Kg	75 - 125	473		235		320	74	N	P
Magnesium	mg/Kg	75 - 125	13500		7170		6500	99		P
Manganese	mg/Kg	75 - 125	765		199		650	88		P
Nickel	mg/Kg	75 - 125	116		56.0		64.5	93		P
Potassium	mg/Kg	75 - 125	4350		1500		3200	88		P
Selenium	mg/Kg	75 - 125	53.6		0.59	J	64.5	82		P
Silver	mg/Kg	75 - 125	12.1		1.80		64.5	16	N	P
Sodium	mg/Kg	75 - 125	11100		4580		6500	101		P
Thallium	mg/Kg	75 - 125	60.8		0.22		64.5	94		P
Vanadium	mg/Kg	75 - 125	81.7		20.6		64.5	95		P
Zinc	mg/Kg	75 - 125	801		259		650	84		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Level:** LOW **Client ID:** PR132-S12-020047-20251016A

Sample ID: Q3376-05 **Spiked ID:** Q3376-05A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Lead	mg/Kg	75 - 125	520		235		310	92		P
Silver	mg/Kg	75 - 125	11.0		1.80		62.4	15	N	P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3374-05 **Client ID:** TP-5-WCDUP

Percent Solids for Sample: 93.1 **Duplicate ID** Q3374-05DUP **Percent Solids for Spike Sample:** 93.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.013	U	0.013	U			CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3374-05MS **Client ID:** TP-5-WCMSD

Percent Solids for Sample: 93.1 **Duplicate ID** Q3374-05MSD **Percent Solids for Spike Sample:** 93.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.27		0.27		1		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3376-05 **Client ID:** PR132-S12-020047-20251016DUP

Percent Solids for Sample: 66.8 **Duplicate ID** Q3376-05DUP **Percent Solids for Spike Sample:** 66.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	6330		6790		7		P
Antimony	mg/Kg	20	0.080	J	0.11	J	35		P
Arsenic	mg/Kg	20	7.86		8.25		5		P
Barium	mg/Kg	20	52.4		60.7		15		P
Beryllium	mg/Kg	20	0.74		0.76		3		P
Cadmium	mg/Kg	20	1.03		1.12		8		P
Calcium	mg/Kg	20	4870		5140		5		P
Chromium	mg/Kg	20	49.4		53.0		7		P
Cobalt	mg/Kg	20	8.16		8.77		7		P
Copper	mg/Kg	20	103		110		7		P
Iron	mg/Kg	20	17500		18900		8		P
Lead	mg/Kg	20	235		245		4		P
Magnesium	mg/Kg	20	7170		7670		7		P
Manganese	mg/Kg	20	199		214		7		P
Nickel	mg/Kg	20	56.0		60.0		7		P
Potassium	mg/Kg	20	1500		1610		7		P
Selenium	mg/Kg	20	0.59	J	0.52	J	14		P
Silver	mg/Kg	20	1.80		1.87		4		P
Sodium	mg/Kg	20	4580		4920		7		P
Thallium	mg/Kg	20	0.22		0.19		14		P
Vanadium	mg/Kg	20	20.6		21.9		6		P
Zinc	mg/Kg	20	259		278		7		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3376-05MS **Client ID:** PR132-S12-020047-20251016MSD

Percent Solids for Sample: 66.8 **Duplicate ID** Q3376-05MSD **Percent Solids for Spike Sample:** 66.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	7710		7900		2		P
Antimony	mg/Kg	20	60.1		60.9		1		P
Arsenic	mg/Kg	20	62.1		63.1		2		P
Barium	mg/Kg	20	337		341		1		P
Beryllium	mg/Kg	20	57.5		59.8		4		P
Cadmium	mg/Kg	20	61.4		61.3		0		P
Calcium	mg/Kg	20	11100		11300		2		P
Chromium	mg/Kg	20	116		119		3		P
Cobalt	mg/Kg	20	65.6		66.4		1		P
Copper	mg/Kg	20	646		657		2		P
Iron	mg/Kg	20	21200		21600		2		P
Lead	mg/Kg	20	455		473		4		P
Magnesium	mg/Kg	20	13400		13500		1		P
Manganese	mg/Kg	20	753		765		2		P
Nickel	mg/Kg	20	115		116		1		P
Potassium	mg/Kg	20	4290		4350		1		P
Selenium	mg/Kg	20	51.5		53.6		4		P
Silver	mg/Kg	20	11.9		12.1		2		P
Sodium	mg/Kg	20	11000		11100		1		P
Thallium	mg/Kg	20	58.8		60.8		3		P
Vanadium	mg/Kg	20	80.1		81.7		2		P
Zinc	mg/Kg	20	794		801		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170158BS							
Aluminum	mg/Kg	1000	1060		106	80 - 120	P
Antimony	mg/Kg	50.0	52.3		105	80 - 120	P
Arsenic	mg/Kg	50.0	50.6		101	80 - 120	P
Barium	mg/Kg	250	255		102	80 - 120	P
Beryllium	mg/Kg	50.0	51.4		103	80 - 120	P
Cadmium	mg/Kg	50.0	51.8		104	80 - 120	P
Calcium	mg/Kg	5000	5220		104	80 - 120	P
Chromium	mg/Kg	50.0	58.9		118	80 - 120	P
Cobalt	mg/Kg	50.0	51.5		103	80 - 120	P
Copper	mg/Kg	500	524		105	80 - 120	P
Iron	mg/Kg	2500	2800		112	80 - 120	P
Lead	mg/Kg	250	255		102	80 - 120	P
Magnesium	mg/Kg	5000	5250		105	80 - 120	P
Manganese	mg/Kg	500	514		103	80 - 120	P
Nickel	mg/Kg	50.0	56.1		112	80 - 120	P
Potassium	mg/Kg	2500	2610		104	80 - 120	P
Selenium	mg/Kg	50.0	51.3		103	80 - 120	P
Silver	mg/Kg	50.0	42.1		84	80 - 120	P
Sodium	mg/Kg	5000	5280		106	80 - 120	P
Thallium	mg/Kg	50.0	51.5		103	80 - 120	P
Vanadium	mg/Kg	50.0	51.3		103	80 - 120	P
Zinc	mg/Kg	500	531		106	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170170BS							
Mercury	mg/Kg	0.28	0.26		94	80 - 120	CV

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3375
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1154	100		100		100		100		100	
S2	S2	1157	99		98		101		99		99	
S3	S3	1204	98		99		99		98		97	
S4	S4	1207	96		96		99		98		99	
S5	S5	1210	96		94		96		95		99	
S6	S6	1213	97		93		96		95		100	
S7	S7	1216	98		95		97		96		102	
S8	S8	1219	101		101		101		94		104	
ICV01	ICV01	1238	96		100		102		101		100	
LLICV01	LLICV01	1312	92		97		100		98		97	
ICB01	ICB01	1316	93		99		99		98		97	
ICSA01	ICSA01	1320	94		100		101		97		102	
ICSAB01	ICSAB01	1323	95		104		107		103		108	
CCV01	CCV01	1327	95		105		106		100		105	
CCB01	CCB01	1330	90		98		101		99		99	
CRI01	CRI01	1333	92		100		101		101		101	
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	95		104		105		99		104	
CCB02	CCB02	1418	92		99		101		103		100	
ZZZZZZ	ZZZZZZ	1421										
ZZZZZZ	ZZZZZZ	1424										
ZZZZZZ	ZZZZZZ	1427										
ZZZZZZ	ZZZZZZ	1430										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										
ZZZZZZ	ZZZZZZ	1443										
ZZZZZZ	ZZZZZZ	1446										

Internal Standard %RI Limit: 70 - 130

Alliance TECHNICAL GROUP
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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3375
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
ZZZZZZ	ZZZZZZ	1449										
CCV03	CCV03	1454	90		100		102		96		101	
CCB03	CCB03	1505	89		99		101		100		100	
ZZZZZZ	ZZZZZZ	1514										
ZZZZZZ	ZZZZZZ	1517										
PB170158BL	PB170158BL	1520	89		96		98		98		99	
PB170158BS	PB170158BS	1524	92		98		100		97		101	
ZZZZZZ	ZZZZZZ	1527										
ZZZZZZ	ZZZZZZ	1530										
Q3375-01	PR132-S02-01	1533	94		103		115		96		100	
Q3375-02	PR132-S04-01	1536	90		102		109		98		97	
Q3375-03	PR132-S05-01	1539	93		107		117		98		102	
Q3375-04	PR132-S02-01	1542	96		111		122		98		103	
CCV04	CCV04	1545	92		99		101		96		101	
CCB04	CCB04	1600	87		96		98		98		97	
Q3375-05	PR132-DP02-	1603	96		113		127		99		104	
ZZZZZZ	ZZZZZZ	1606										
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
Q3376-05L	PR132-S12-01	1625	89		100		103		100		101	
Q3376-05MSD	PR132-S12-01	1631	90		103		113		96		103	
Q3376-05DUP	PR132-S12-01	1640	93		106		116		99		104	
Q3376-05MS	PR132-S12-01	1643	95		107		118		98		105	
CCV05	CCV05	1646	94		102		103		99		105	
CCB05	CCB05	1655	87		95		98		98		100	
Q3376-05A	PR132-S12-01	1700	93		106		116		97		104	
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3375
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
ZZZZZZ	ZZZZZZ	1744										
CCV06	CCV06	1759	85		95		97		93		102	
CCB06	CCB06	1810	82		90		93		94		97	
ZZZZZZ	ZZZZZZ	1815										
ZZZZZZ	ZZZZZZ	1818										
ZZZZZZ	ZZZZZZ	1821										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	84		94		98		93		99	
CCB07	CCB07	1849	80		90		94		95		96	
ZZZZZZ	ZZZZZZ	1912										
ZZZZZZ	ZZZZZZ	1915										
ZZZZZZ	ZZZZZZ	1918										
ZZZZZZ	ZZZZZZ	1922										
ZZZZZZ	ZZZZZZ	1925										
ZZZZZZ	ZZZZZZ	1928										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
Q3375-03	PR132-S05-0	1941	83		95		100		97		98	
CCV08	CCV08	1944	84		92		96		92		98	
CCB08	CCB08	1952	78		89		92		92		94	
Q3375-05	PR132-DP02-	1957	81		91		97		91		95	
ZZZZZZ	ZZZZZZ	2000										
ZZZZZZ	ZZZZZZ	2003										
ZZZZZZ	ZZZZZZ	2006										
ZZZZZZ	ZZZZZZ	2009										
ZZZZZZ	ZZZZZZ	2012										
ZZZZZZ	ZZZZZZ	2016										
ZZZZZZ	ZZZZZZ	2019										
ZZZZZZ	ZZZZZZ	2022										
ZZZZZZ	ZZZZZZ	2025										
CCV09	CCV09	2028	83		92		94		91		97	
CCB09	CCB09	2031	80		89		92		91		95	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3375
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1154	100		100		100		100		100	
S2	S2	1157	99		99		100		98		99	
S3	S3	1204	98		97		97		98		97	
S4	S4	1207	96		97		94		97		99	
S5	S5	1210	95		95		93		96		97	
S6	S6	1213	96		95		95		99		100	
S7	S7	1216	97		95		94		100		101	
S8	S8	1219	105		104		94		103		105	
ICV01	ICV01	1238	101		102		100		101		102	
LLICV01	LLICV01	1312	98		99		97		98		99	
ICB01	ICB01	1316	99		101		99		99		100	
ICSA01	ICSA01	1320	101		100		97		101		103	
ICSAB01	ICSAB01	1323	104		102		100		104		105	
CCV01	CCV01	1327	103		102		97		103		105	
CCB01	CCB01	1330	98		100		99		99		100	
CRI01	CRI01	1333	99		99		99		101		101	
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	104		104		98		105		105	
CCB02	CCB02	1418	100		102		102		103		104	
ZZZZZZ	ZZZZZZ	1421										
ZZZZZZ	ZZZZZZ	1424										
ZZZZZZ	ZZZZZZ	1427										
ZZZZZZ	ZZZZZZ	1430										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										
ZZZZZZ	ZZZZZZ	1443										
ZZZZZZ	ZZZZZZ	1446										

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM Contract: AECO02

Lab Code: ACE SDG No.: Q3375

Instrument ID: P7 Start Date : 10/22/2025

Run Number: LB137619 End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
ZZZZZZ	ZZZZZZ	1449										
CCV03	CCV03	1454	101		101		96		104		103	
CCB03	CCB03	1505	97		100		99		102		102	
ZZZZZZ	ZZZZZZ	1514										
ZZZZZZ	ZZZZZZ	1517										
PB170158BL	PB170158BL	1520	95		97		97		101		100	
PB170158BS	PB170158BS	1524	96		97		97		100		102	
ZZZZZZ	ZZZZZZ	1527										
ZZZZZZ	ZZZZZZ	1530										
Q3375-01	PR132-S02-0	1533	106		116		98		104		105	
Q3375-02	PR132-S04-0	1536	102		109		97		102		103	
Q3375-03	PR132-S05-0	1539	107		115		99		103		104	
Q3375-04	PR132-S02-0	1542	111		123		98		105		105	
CCV04	CCV04	1545	99		98		95		101		102	
CCB04	CCB04	1600	94		97		96		98		100	
Q3375-05	PR132-DP02-	1603	112		128		98		108		108	
ZZZZZZ	ZZZZZZ	1606										
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
Q3376-05L	PR132-S12-0	1625	102		104		100		103		103	
Q3376-05MSD	PR132-S12-0	1631	105		114		96		103		103	
Q3376-05DUP	PR132-S12-0	1640	107		119		101		108		108	
Q3376-05MS	PR132-S12-0	1643	108		118		99		107		107	
CCV05	CCV05	1646	103		102		99		107		108	
CCB05	CCB05	1655	94		98		98		101		102	
Q3376-05A	PR132-S12-0	1700	106		115		101		109		107	
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3375
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
ZZZZZZ	ZZZZZZ	1744										
CCV06	CCV06	1759	96		96		93		102		102	
CCB06	CCB06	1810	89		93		93		97		97	
ZZZZZZ	ZZZZZZ	1815										
ZZZZZZ	ZZZZZZ	1818										
ZZZZZZ	ZZZZZZ	1821										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	95		95		92		99		100	
CCB07	CCB07	1849	90		94		95		97		96	
ZZZZZZ	ZZZZZZ	1912										
ZZZZZZ	ZZZZZZ	1915										
ZZZZZZ	ZZZZZZ	1918										
ZZZZZZ	ZZZZZZ	1922										
ZZZZZZ	ZZZZZZ	1925										
ZZZZZZ	ZZZZZZ	1928										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
Q3375-03	PR132-S05-0	1941	96		100		96		100		100	
CCV08	CCV08	1944	93		95		91		100		100	
CCB08	CCB08	1952	89		93		93		95		95	
Q3375-05	PR132-DP02-	1957	91		97		92		97		97	
ZZZZZZ	ZZZZZZ	2000										
ZZZZZZ	ZZZZZZ	2003										
ZZZZZZ	ZZZZZZ	2006										
ZZZZZZ	ZZZZZZ	2009										
ZZZZZZ	ZZZZZZ	2012										
ZZZZZZ	ZZZZZZ	2016										
ZZZZZZ	ZZZZZZ	2019										
ZZZZZZ	ZZZZZZ	2022										
ZZZZZZ	ZZZZZZ	2025										
CCV09	CCV09	2028	92		93		90		98		98	
CCB09	CCB09	2031	89		94		93		97		96	

Internal Standard %RI Limit: 70 - 130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3375
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1154	100		100							
S2	S2	1157	98		99							
S3	S3	1204	97		99							
S4	S4	1207	99		100							
S5	S5	1210	99		99							
S6	S6	1213	101		102							
S7	S7	1216	102		103							
S8	S8	1219	103		95							
ICV01	ICV01	1238	100		100							
LLICV01	LLICV01	1312	97		96							
ICB01	ICB01	1316	97		95							
ICSA01	ICSA01	1320	101		98							
ICSAB01	ICSAB01	1323	105		100							
CCV01	CCV01	1327	106		100							
CCB01	CCB01	1330	99		97							
CRI01	CRI01	1333	101		99							
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	104		98							
CCB02	CCB02	1418	101		99							
ZZZZZZ	ZZZZZZ	1421										
ZZZZZZ	ZZZZZZ	1424										
ZZZZZZ	ZZZZZZ	1427										
ZZZZZZ	ZZZZZZ	1430										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3375
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1443										
ZZZZZZ	ZZZZZZ	1446										
ZZZZZZ	ZZZZZZ	1449										
CCV03	CCV03	1454	101		94							
CCB03	CCB03	1505	100		97							
ZZZZZZ	ZZZZZZ	1514										
ZZZZZZ	ZZZZZZ	1517										
PB170158BL	PB170158BL	1520	99		99							
PB170158BS	PB170158BS	1524	102		99							
ZZZZZZ	ZZZZZZ	1527										
ZZZZZZ	ZZZZZZ	1530										
Q3375-01	PR132-S02-07	1533	101		97							
Q3375-02	PR132-S04-0(	1536	97		95							
Q3375-03	PR132-S05-0(	1539	102		101							
Q3375-04	PR132-S02-01	1542	102		101							
CCV04	CCV04	1545	101		96							
CCB04	CCB04	1600	95		96							
Q3375-05	PR132-DP02-2	1603	105		107							
ZZZZZZ	ZZZZZZ	1606										
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
Q3376-05L	PR132-S12-02	1625	99		97							
Q3376-05MSD	PR132-S12-02	1631	102		98							
Q3376-05DUP	PR132-S12-02	1640	105		103							
Q3376-05MS	PR132-S12-02	1643	105		102							
CCV05	CCV05	1646	107		99							
CCB05	CCB05	1655	100		98							
Q3376-05A	PR132-S12-02	1700	105		102							
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										

Internal Standard %RI Limit: 70 -130

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3375
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										
ZZZZZZ	ZZZZZZ	1744										
CCV06	CCV06	1759	101		94							
CCB06	CCB06	1810	97		95							
ZZZZZZ	ZZZZZZ	1815										
ZZZZZZ	ZZZZZZ	1818										
ZZZZZZ	ZZZZZZ	1821										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	100		93							
CCB07	CCB07	1849	96		95							
ZZZZZZ	ZZZZZZ	1912										
ZZZZZZ	ZZZZZZ	1915										
ZZZZZZ	ZZZZZZ	1918										
ZZZZZZ	ZZZZZZ	1922										
ZZZZZZ	ZZZZZZ	1925										
ZZZZZZ	ZZZZZZ	1928										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
Q3375-03	PR132-S05-0(	1941	97		95							
CCV08	CCV08	1944	100		93							
CCB08	CCB08	1952	93		93							
Q3375-05	PR132-DP02-2	1957	95		94							
ZZZZZZ	ZZZZZZ	2000										
ZZZZZZ	ZZZZZZ	2003										
ZZZZZZ	ZZZZZZ	2006										
ZZZZZZ	ZZZZZZ	2009										
ZZZZZZ	ZZZZZZ	2012										
ZZZZZZ	ZZZZZZ	2016										

Internal Standard %RI Limit: 70 -130

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3375
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	2019										
ZZZZZZ	ZZZZZZ	2022										
ZZZZZZ	ZZZZZZ	2025										
CCV09	CCV09	2028	98		91							
CCB09	CCB09	2031	93		92							

Internal Standard %RI Limit: 70 -130

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3375
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1154	100									
S2	S2	1157	101									
S3	S3	1204	99									
S4	S4	1207	97									
S5	S5	1210	97									
S6	S6	1213	98									
S7	S7	1216	97									
S8	S8	1219	94									
ICV01	ICV01	1238	102									
LLICV01	LLICV01	1312	97									
ICB01	ICB01	1316	99									
ICSA01	ICSA01	1320	95									
ICSAB01	ICSAB01	1323	99									
CCV01	CCV01	1327	96									
CCB01	CCB01	1330	98									
CRI01	CRI01	1333	99									
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	97									
CCB02	CCB02	1418	100									
ZZZZZZ	ZZZZZZ	1421										
ZZZZZZ	ZZZZZZ	1424										
ZZZZZZ	ZZZZZZ	1427										
ZZZZZZ	ZZZZZZ	1430										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3375
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1443										
ZZZZZZ	ZZZZZZ	1446										
ZZZZZZ	ZZZZZZ	1449										
CCV03	CCV03	1454	93									
CCB03	CCB03	1505	99									
ZZZZZZ	ZZZZZZ	1514										
ZZZZZZ	ZZZZZZ	1517										
PB170158BL	PB170158BL	1520	96									
PB170158BS	PB170158BS	1524	97									
ZZZZZZ	ZZZZZZ	1527										
ZZZZZZ	ZZZZZZ	1530										
Q3375-01	PR132-S02-07	1533	98									
Q3375-02	PR132-S04-0(	1536	97									
Q3375-03	PR132-S05-0(	1539	100									
Q3375-04	PR132-S02-01	1542	101									
CCV04	CCV04	1545	93									
CCB04	CCB04	1600	95									
Q3375-05	PR132-DP02-2	1603	106									
ZZZZZZ	ZZZZZZ	1606										
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
Q3376-05L	PR132-S12-02	1625	97									
Q3376-05MSD	PR132-S12-02	1631	97									
Q3376-05DUP	PR132-S12-02	1640	102									
Q3376-05MS	PR132-S12-02	1643	100									
CCV05	CCV05	1646	97									
CCB05	CCB05	1655	96									
Q3376-05A	PR132-S12-02	1700	100									
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3375
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										
ZZZZZZ	ZZZZZZ	1744										
CCV06	CCV06	1759	93									
CCB06	CCB06	1810	93									
ZZZZZZ	ZZZZZZ	1815										
ZZZZZZ	ZZZZZZ	1818										
ZZZZZZ	ZZZZZZ	1821										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	91									
CCB07	CCB07	1849	93									
ZZZZZZ	ZZZZZZ	1912										
ZZZZZZ	ZZZZZZ	1915										
ZZZZZZ	ZZZZZZ	1918										
ZZZZZZ	ZZZZZZ	1922										
ZZZZZZ	ZZZZZZ	1925										
ZZZZZZ	ZZZZZZ	1928										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
Q3375-03	PR132-S05-0(	1941	96									
CCV08	CCV08	1944	89									
CCB08	CCB08	1952	93									
Q3375-05	PR132-DP02-2	1957	91									
ZZZZZZ	ZZZZZZ	2000										
ZZZZZZ	ZZZZZZ	2003										
ZZZZZZ	ZZZZZZ	2006										
ZZZZZZ	ZZZZZZ	2009										
ZZZZZZ	ZZZZZZ	2012										
ZZZZZZ	ZZZZZZ	2016										

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM Contract: AECO02

Lab Code: ACE SDG No.: Q3375

Instrument ID: P7 Start Date : 10/22/2025

Run Number: LB137619 End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	2019										
ZZZZZZ	ZZZZZZ	2022										
ZZZZZZ	ZZZZZZ	2025										
CCV09	CCV09	2028	88									
CCB09	CCB09	2031	93									

Internal Standard %RI Limit: 70 -130

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

TP-5-WCL

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **Lb No.:** lb137584 **Lab Sample ID :** Q3374-05L **SDG No.:** Q3375

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.013	U	0.065	U			CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

PR132-S12-020047-20251016L

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **Lb No.:** lb137619 **Lab Sample ID :** Q3376-05L **SDG No.:** Q3375

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	6330		6750		7		P
Antimony	0.080	J	1.25	U	100.0		P
Arsenic	7.86		9.08		15		P
Barium	52.4		54.1		3		P
Beryllium	0.74		0.74		1		P
Cadmium	1.03		1.01		2		P
Calcium	4870		5220		7		P
Chromium	49.4		52.2		6		P
Cobalt	8.16		8.63		6		P
Copper	103		107		4		P
Iron	17500		18600		6		P
Lead	235		229		3		P
Magnesium	7170		7570		6		P
Manganese	199		209		5		P
Nickel	56.0		60.2		7		P
Potassium	1500		1630		9		P
Selenium	0.59	J	3.12	U	100.0		P
Silver	1.80		1.84		3		P
Sodium	4580		4760		4		P
Thallium	0.22		0.23	J	5		P
Vanadium	20.6		21.5		4		P
Zinc	259		280		8		P

METAL PREPARATION & INSTRUMENT DATA

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170158**						
PB170158BL	PB170158BL	MB	SOLID	10/20/2025	1.00	100.0	100.00
PB170158BS	PB170158BS	LCS	SOLID	10/20/2025	1.00	100.0	100.00
Q3375-01	PR132-S02-074099-20251016	SAM	SOLID	10/20/2025	1.22	100.0	69.20
Q3375-02	PR132-S04-000013-20251016	SAM	SOLID	10/20/2025	1.22	100.0	74.70
Q3375-03	PR132-S05-000057-20251016	SAM	SOLID	10/20/2025	1.26	100.0	66.70
Q3375-04	PR132-S02-010074-20251016	SAM	SOLID	10/20/2025	1.26	100.0	55.30
Q3375-05	PR132-DP02-20251016	SAM	SOLID	10/20/2025	1.15	100.0	66.70
Q3376-05DUP	PR132-S12-020047-20251016DUP	DUP	SOLID	10/20/2025	1.14	100.0	66.80
Q3376-05MS	PR132-S12-020047-20251016MS	MS	SOLID	10/20/2025	1.18	100.0	66.80
Q3376-05MSD	PR132-S12-020047-20251016MSD	MSD	SOLID	10/20/2025	1.16	100.0	66.80

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Metals
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SAMPLE PREPARATION SUMMARY

Client: AECOM **SDG No.:** Q3375

Contract: AECO02 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170170**						
PB170170BL	PB170170BL	MB	SOLID	10/20/2025	0.50	35.0	100.00
PB170170BS	PB170170BS	LCS	SOLID	10/20/2025	0.50	35.0	100.00
Q3374-05DUP	TP-5-WCDUP	DUP	SOLID	10/20/2025	0.58	35.0	93.10
Q3374-05MS	TP-5-WCMS	MS	SOLID	10/20/2025	0.53	35.0	93.10
Q3374-05MSD	TP-5-WCMSD	MSD	SOLID	10/20/2025	0.53	35.0	93.10
Q3375-01	PR132-S02-074099-20251016	SAM	SOLID	10/20/2025	0.60	35.0	69.20
Q3375-02	PR132-S04-000013-20251016	SAM	SOLID	10/20/2025	0.60	35.0	74.70
Q3375-03	PR132-S05-000057-20251016	SAM	SOLID	10/20/2025	0.60	35.0	66.70
Q3375-04	PR132-S02-010074-20251016	SAM	SOLID	10/20/2025	0.55	35.0	55.30
Q3375-05	PR132-DP02-20251016	SAM	SOLID	10/20/2025	0.60	35.0	66.70

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metals
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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3375

Instrument id number: **Method:** **Run number:** LB137584

Start date: 10/20/2025 **End date:** 10/21/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1358	HG
S0.2	S0.2	1	1401	HG
S2.5	S2.5	1	1403	HG
S5	S5	1	1405	HG
S7.5	S7.5	1	1408	HG
S10	S10	1	1417	HG
ICV79	ICV79	1	1421	HG
ICB79	ICB79	1	1423	HG
CCV57	CCV57	1	1426	HG
CCB57	CCB57	1	1428	HG
CRA	CRA	1	1435	HG
PB170170BL	PB170170BL	1	1442	HG
PB170170BS	PB170170BS	1	1448	HG
Q3374-05DUP	TP-5-WCDUP	1	1455	HG
Q3374-05MS	TP-5-WCMS	1	1500	HG
Q3374-05MSD	TP-5-WCMSD	1	1502	HG
CCV58	CCV58	1	1505	HG
CCB58	CCB58	1	1508	HG
Q3375-02	PR132-S04-000013-20251016	1	1513	HG
CCV59	CCV59	1	1540	HG
CCB59	CCB59	1	1543	HG
CCV60	CCV60	1	1617	HG
CCB60	CCB60	1	1620	HG
Q3374-05L	TP-5-WCL	5	1634	HG
CCV61	CCV61	1	0857	HG
CCB61	CCB61	1	0900	HG

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metals
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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3375

Instrument id number: **Method:** **Run number:** LB137610

Start date: 10/22/2025 **End date:** 10/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1113	HG
S0.2	S0.2	1	1116	HG
S2.5	S2.5	1	1118	HG
S5	S5	1	1120	HG
S7.5	S7.5	1	1123	HG
S10	S10	1	1125	HG
ICV83	ICV83	1	1129	HG
ICB83	ICB83	1	1131	HG
CCV71	CCV71	1	1134	HG
CCB71	CCB71	1	1136	HG
CRA	CRA	1	1139	HG
CCV72	CCV72	1	1214	HG
CCB72	CCB72	1	1216	HG
CCV73	CCV73	1	1248	HG
CCB73	CCB73	1	1254	HG
CCV74	CCV74	1	1323	HG
CCB74	CCB74	1	1326	HG
CCV75	CCV75	1	1411	HG
CCB75	CCB75	1	1413	HG
Q3375-01	PR132-S02-074099-20251016	10	1421	HG
Q3375-03	PR132-S05-000057-20251016	10	1423	HG
Q3375-04	PR132-S02-010074-20251016	10	1426	HG
Q3375-05	PR132-DP02-20251016	10	1428	HG
CCV76	CCV76	1	1442	HG
CCB76	CCB76	1	1444	HG
CCV77	CCV77	1	1459	HG
CCB77	CCB77	1	1502	HG

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metals
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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3375

Instrument id number: **Method:** **Run number:** LB137619

Start date: 10/22/2025 **End date:** 10/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1154	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1157	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1204	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1207	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1210	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1213	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1216	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1219	Al,Ca,Fe,K,Mg,Na
ICV01	ICV01	1	1238	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1312	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1316	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1320	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1323	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1327	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1330	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1333	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1411	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1418	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1454	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1505	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170158BL	PB170158BL	1	1520	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170158BS	PB170158BS	1	1524	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3375-01	PR132-S02-074099-20251016	1	1533	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3375-02	PR132-S04-000013-20251016	1	1536	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3375-03	PR132-S05-000057-20251016	1	1539	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3375-04	PR132-S02-010074-20251016	1	1542	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1545	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1600	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3375-05	PR132-DP02-20251016	1	1603	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,K,Mg,Mn,Na,Ni,Sb,Se,Tl,V,Zn
Q3376-05L	PR132-S12-020047-20251016L	5	1625	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-05MSD	PR132-S12-020047-20251016M	1	1631	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-05DUP	PR132-S12-020047-20251016DU	1	1640	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-05MS	PR132-S12-020047-20251016M	1	1643	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1646	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1655	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-05A	PR132-S12-020047-20251016A	1	1700	Ag,Pb
CCV06	CCV06	1	1759	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1810	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1841	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1849	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3375-03	PR132-S05-000057-20251016	5	1941	Cr

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metals
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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3375

Instrument id number: **Method:** **Run number:** LB137619

Start date: 10/22/2025 **End date:** 10/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCV08	CCV08	1	1944	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	1952	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3375-05	PR132-DP02-20251016	5	1957	Cr,Fe,Pb
CCV09	CCV09	1	2028	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	2031	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV10	CCV10	1	2103	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB10	CCB10	1	2106	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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LAB CHRONICLE

OrderID:	Q3375	**OrderDate:**	10/17/2025 10:32:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3375-01	**PR132-S02-074099-20251016**	**SOIL**			**10/16/25 08:40**			**10/16/25**
			Hexavalent Chromium	7196A		10/21/25	10/21/25 15:52	
			TOC	Lloyd Kahn			10/20/25 12:38	
Q3375-02	**PR132-S04-000013-20251016**	**SOIL**			**10/16/25 09:45**			**10/16/25**
			Hexavalent Chromium	7196A		10/21/25	10/21/25 15:52	
			TOC	Lloyd Kahn			10/20/25 12:59	
Q3375-03	**PR132-S05-000057-20251016**	**SOIL**			**10/16/25 11:10**			**10/16/25**
			Hexavalent Chromium	7196A		10/21/25	10/21/25 15:53	
			TOC	Lloyd Kahn			10/20/25 13:18	
Q3375-04	**PR132-S02-010074-20251016**	**SOIL**			**10/16/25 08:50**			**10/16/25**
			Hexavalent Chromium	7196A		10/21/25	10/21/25 15:53	
			TOC	Lloyd Kahn			10/20/25 14:01	
Q3375-05	**PR132-DP02-20251016**	**SOIL**			**10/16/25 11:13**			**10/16/25**
			Hexavalent Chromium	7196A		10/21/25	10/21/25 15:54	

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LAB CHRONICLE

TOC	Lloyd Kahn	10/20/25 14:34

SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25 08:40
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-074099-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-01	Matrix:	SOIL
		% Solid:	69.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.56	U	1	0.098	0.56	mg/Kg	10/21/25 12:00	10/21/25 15:52	7196A
TOC	19600	OR	1	43.4	250	mg/Kg		10/20/25 12:38	Lloyd Kahn

Comments:

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
H = Sample Analysis Out Of Hold Time
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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25 09:45
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S04-000013-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-02	Matrix:	SOIL
		% Solid:	74.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.53	U	1	0.093	0.53	mg/Kg	10/21/25 12:00	10/21/25 15:52	7196A
TOC	17000	OR	1	43.4	250	mg/Kg		10/20/25 12:59	Lloyd Kahn

Comments:

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
H = Sample Analysis Out Of Hold Time
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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25 11:10
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-000057-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-03	Matrix:	SOIL
		% Solid:	66.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.59	U	1	0.10	0.59	mg/Kg	10/21/25 12:00	10/21/25 15:53	7196A
TOC	27700	OR	1	43.4	250	mg/Kg		10/20/25 13:18	Lloyd Kahn

Comments:

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
H = Sample Analysis Out Of Hold Time
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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25 08:50
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-010074-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-04	Matrix:	SOIL
		% Solid:	55.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.72	U	1	0.13	0.72	mg/Kg	10/21/25 12:00	10/21/25 15:53	7196A
TOC	26300	OR	1	43.4	250	mg/Kg		10/20/25 14:01	Lloyd Kahn

Comments:

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
H = Sample Analysis Out Of Hold Time
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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25 11:13
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP02-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-05	Matrix:	SOIL
		% Solid:	66.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.59	U	1	0.10	0.59	mg/Kg	10/21/25 12:00	10/21/25 15:54	7196A
TOC	30000	OR	1	43.4	250	mg/Kg		10/20/25 14:34	Lloyd Kahn

Comments:

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
H = Sample Analysis Out Of Hold Time
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

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client: AECOM **SDG No.:** Q3375

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 **RunNo.:** LB137582

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV1						
TOC		mg/L	968	1000	97	90-110	07/22/2025
Sample ID:	CCV1						
TOC		mg/L	1030	1000	103	90-110	10/20/2025
Sample ID:	CCV2						
TOC		mg/L	1050	1000	105	90-110	10/20/2025
Sample ID:	CCV3						
TOC		mg/L	1010	1000	101	90-110	10/20/2025

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Initial and Continuing Calibration Verification

Client:	AECOM	**SDG No.:**	Q3375
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**RunNo.:**	LB137601

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.495	0.5	99	90-110	10/21/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.496	0.5	99	90-110	10/21/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.491	0.5	98	90-110	10/21/2025
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.496	0.5	99	90-110	10/21/2025
Sample ID: CCV4						
Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	10/21/2025

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Initial and Continuing Calibration Blank Summary

Client:	AECOM	**SDG No.:**	Q3375
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**RunNo.:**	LB137582

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
TOC		mg/L	< 125.0000	125.0000	U	32.1	250	07/22/2025
Sample ID:	CCB1							
TOC		mg/L	< 125.0000	125.0000	U	32.1	250	10/20/2025
Sample ID:	CCB2							
TOC		mg/L	< 125.0000	125.0000	U	32.1	250	10/20/2025
Sample ID:	CCB3							
TOC		mg/L	< 125.0000	125.0000	U	32.1	250	10/20/2025

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Initial and Continuing Calibration Blank Summary

Client:	AECOM	**SDG No.:**	Q3375
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**RunNo.:**	LB137601

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/21/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/21/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/21/2025
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/21/2025
Sample ID: CCB4							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/21/2025

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Preparation Blank Summary

Client: AECOM **SDG No.:** Q3375

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: **LB137582BLS**							
TOC	mg/Kg	< 125.0000	125.0000	U	43.4	250	10/20/2025
Sample ID: **PB170189BL**							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	10/21/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3375

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3375-05

Client ID: PR132-DP02-20251016MS **Percent Solids for Spike Sample:** 66.7

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	31100	OR	30000	OR	1000	1	110		10/20/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3375

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3375-05

Client ID: PR132-DP02-20251016MSD **Percent Solids for Spike Sample:** 66.7

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	31200	OR	30000	OR	1000	1	120		10/20/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3375

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3403-01

Client ID: MH-18MS **Percent Solids for Spike Sample:** 91.1

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	1360		0.076	U	1410	40	96		10/21/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3375

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3403-01

Client ID: MH-18MS **Percent Solids for Spike Sample:** 91.1

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	40.4		0.076	U	43.9	2	92		10/21/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3375

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3403-01

Client ID: MH-18MS **Percent Solids for Spike Sample:** 91.1

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	38.1		0.076	U	43.9	2	87		10/21/2025

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Duplicate Sample Summary

Client: AECOM
SDG No.: Q3375
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Sample ID: Q3375-05
Client ID: PR132-DP02-20251016MSD
Percent Solids for Spike Sample: 66.7

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TOC	mg/Kg	+/-20	31100	OR	31200	OR	1	0		10/20/2025

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Duplicate Sample Summary

Client: AECOM
SDG No.: Q3375
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Sample ID: Q3403-01
Client ID: MH-18DUP
Percent Solids for Spike Sample: 91.1

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.076	U	0.076	U	1	0		10/21/2025

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Laboratory Control Sample Summary

Client:	AECOM	**SDG No.:**	Q3375
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**Run No.:**	LB137582

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137582BSS								
TOC	mg/Kg	1000	1030		103	1	90-110	10/20/2025

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Laboratory Control Sample Summary

Client:	AECOM	**SDG No.:**	Q3375
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**Run No.:**	LB137601

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB170189BS								
Hexavalent Chromium	mg/Kg	20	19.8		99	1	84-110	10/21/2025

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q3377
COC Number 2045166Q3375

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: AECOM
ADDRESS: 605 3rd Avenue,
CITY: New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner
PHONE: 212-377-8721 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Port Richmond 132
PROJECT NO.: 60693795 LOCATION: Staten Island
PROJECT MANAGER: Rob Forstner
e-mail: robert.forstner@aecom.com
PHONE: 212-377-8721 FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#:
ADDRESS: 605 3rd Ave
CITY New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner PHONE: 212-377-8721

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☒ NYS ASP B
- ☐ US EPA CLP
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1: SVOCs 2: Pesticides-TCL 3: Mercury-Metals 4: PCBs/Hexachrome 5: Dioxin 6: Grain Size 7: TOC 8: VOCs 9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	Methanol 8	9	COMMENTS
1.	PR132-SO2-074099-20251016	soil		X	10/16	840	11	X	X	X	X	X	X	X	X		
2.	PR132-SO4-000013-20251016	soil		X	10/16	945	11	X	X	X	X	X	X	X	X		
3.	~~PR132-SO4~~	~~soil~~		~~X~~	~~10/16~~												
4.	PR132-SO5-000057-20251016	soil		X	10/16	1110	11	X	X	X	X	X	X	X	X		
5.	PR132-SO2-010074-20251016	soil		X	10/16	850	11	X	X	X	X	X	X	X	X		
6.	PR132-DP02-20251016	soil		X	10/16	1113	11	X	X	X	X	X	X	X	X		
7.	Temp Blank	water													X		
8.																	
9.																	
10.																	

← Specify Preservatives: A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Jim Aldersen	10/16/25 1650	1. 10-16-25
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY SAMPLER:	DATE/TIME: 1805 10-16-25	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
Comments:

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP
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Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

Alliance TECHNICAL GROUP
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LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3375 AECO02
Client Name : AECOM
Client Contact : Rob Forstner
Invoice Name : AECOM
Invoice Contact : Rob Forstner

Order Date : 10/17/2025 10:32:00 AM
Project Name : AE1-CTY 3.2.Z-PR-DOCK
Receive DateTime : 10/16/2025 6:15:00 PM
Purchase Order :

Project Mgr :
Report Type : NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3375-01	PR132-S02-074099-20251016	Solid	10/16/2025	08:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3375-02	PR132-S04-000013-20251016	Solid	10/16/2025	09:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3375-03	PR132-S05-000057-20251016	Solid	10/16/2025	10:10					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3375-04	PR132-S02-010074-20251016	Solid	10/16/2025	08:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3375-05	PR132-DP02-~~074099~~-20251016	Solid	10/16/2025	11:13					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By : CL
Date / Time : 10/17/25 13:35

Received By : Sam
Date / Time : 10/17/25 15:35

RJ # 6
F+2

Storage Area : VOA Refridgerator Room