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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 : Q3395

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-S09-000051-20251017	Q3395-01	8260D	8270E		8081B, 8082A	6020B, 7471B	7196A, Chemtech -SOP, Lloyd Kahn
PR132-S07-000102-20251017	Q3395-02	8260D	8270E		8081B, 8082A	6020B, 7471B	7196A, Chemtech -SOP, Lloyd Kahn
PR132-S07-102116-20251017	Q3395-05	8260D	8270E		8081B, 8082A	6020B, 7471B	7196A, Chemtech -SOP, Lloyd Kahn
PR132-COMP03-2025-20251017	Q3395-06	8260D	8270E		8081B, 8082A	6020B, 7471B	7196A, Chemtech -SOP, Lloyd Kahn
PR132-S08-038048-20251017	Q3395-07	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
Q3395-01	SOIL	10/17/25	10/17/25	10/23/25	10/28/25
Q3395-02	SOIL	10/17/25	10/17/25	10/23/25	10/27/25
Q3395-05	SOIL	10/17/25	10/17/25	10/23/25	10/28/25
Q3395-06	SOIL	10/17/25	10/17/25	10/23/25	10/28/25

*** 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
Q3395-01	SOIL	10/17/25	10/17/25		10/20/25
Q3395-02	SOIL	10/17/25	10/17/25		10/20/25
Q3395-05	SOIL	10/17/25	10/17/25		10/20/25
Q3395-07	SOIL	10/17/25	10/17/25		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
Q3395-01	SOIL	10/17/25	10/17/25	10/23/25	10/23/25
Q3395-02	SOIL	10/17/25	10/17/25	10/23/25	10/23/25
Q3395-05	SOIL	10/17/25	10/17/25	10/23/25	10/23/25
Q3395-06	SOIL	10/17/25	10/17/25	10/23/25	10/23/25

*** Details For Test :** PCB

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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
Q3395-01	Solid	8260D	5035		
Q3395-02	Solid	8260D	5035		
Q3395-03	Solid	8260D	5035		
Q3395-04	Solid	8260D	5035		
Q3395-05	Solid	8260D	5035		
Q3395-07	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
Q3395-01	SOIL	Mercury	10/17/25	10/21/25	10/22/25
Q3395-02	SOIL	Mercury	10/17/25	10/21/25	10/22/25
Q3395-05	SOIL	Mercury	10/17/25	10/21/25	10/22/25
Q3395-06	SOIL	Mercury	10/17/25	10/21/25	10/22/25

*** Details For Test :** Mercury

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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
Q3395-01	SOIL	10/17/25	10/17/25	10/23/25	10/23/25
Q3395-02	SOIL	10/17/25	10/17/25	10/23/25	10/23/25
Q3395-05	SOIL	10/17/25	10/17/25	10/23/25	10/23/25
Q3395-06	SOIL	10/17/25	10/17/25	10/23/25	10/23/25

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

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FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
Q3395-01	Solid	8270E	3550		
Q3395-02	Solid	8270E	3550		
Q3395-03	Solid	8270E	3550		
Q3395-04	Solid	8270E	3550		
Q3395-05	Solid	8270E	3550		
Q3395-06	Solid	8270E	3550		

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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
Q3395-01	SOIL	Metals ICP-TAL	10/17/25	10/21/25	10/22/25
Q3395-02	SOIL	Metals ICP-TAL	10/17/25	10/21/25	10/22/25
Q3395-05	SOIL	Metals ICP-TAL	10/17/25	10/21/25	10/22/25
Q3395-06	SOIL	Metals ICP-TAL	10/17/25	10/21/25	10/22/25

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

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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
Q3395-01	Solid	8081B	3541		
Q3395-01	Solid	8082A	3541		
Q3395-02	Solid	8081B	3541		
Q3395-02	Solid	8082A	3541		
Q3395-03	Solid	8081B	3541		
Q3395-03	Solid	8082A	3541		
Q3395-04	Solid	8081B	3541		
Q3395-04	Solid	8082A	3541		
Q3395-05	Solid	8081B	3541		
Q3395-05	Solid	8082A	3541		
Q3395-06	Solid	8081B	3541		
Q3395-06	Solid	8082A	3541		

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Cover Page

Order ID : Q3395

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

Client : AECOM

Lab Sample Number	Client Sample Number
Q3395-01	PR132-S09-000051-20251017
Q3395-02	PR132-S07-000102-20251017
Q3395-03	PR132-S07-000102-20251017MS
Q3395-04	PR132-S07-000102-20251017MSD
Q3395-05	PR132-S07-102116-20251017
Q3395-06	PR132-COMP03-2025-20251017
Q3395-07	PR132-S08-038048-20251017

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 2:25 pm, Oct 31, 2025

Date: 10/31/2025

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 # Q3395
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 10/17/2025.

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 except for PR132-S07-000102-20251017MS, PR132-S07-000102-20251017MSD due to matrix interference.

The Retention Times were met for all analysis.
The MS {Q3395-03MS} with File ID: VW032400.D recoveries met the requirements for all compounds except for 1,1,2,2-Tetrachloroethane[275%], 1,2-Dibromo-3-Chloropropane[180%], 1,3-Dichlorobenzene[49%], 1,4-Dichlorobenzene[52%], 2-Butanone[202%], Acetone[260%], Carbon Tetrachloride[34%], cis-1,3-Dichloropropene[37%] and Methyl Acetate[729%] due to matrix interference.

The MSD {Q3395-04MSD} with File ID: VW032401.D recoveries met the requirements for all compounds except for 1,1,2,2-Tetrachloroethane[192%], 1,2-Dibromo-3-Chloropropane[181%], 1,2-Dichlorobenzene[50%], 1,3-Dichlorobenzene[43%], 1,4-Dichlorobenzene[46%], 2-Butanone[250%], 4-Methyl-2-Pentanone[170%], Acetone[344%], Bromoform[151%], Carbon Tetrachloride[44%], cis-1,3-Dichloropropene[48%], Methyl Acetate[605%] and Methylcyclohexane[-20%] due to matrix interference.

The RPD for {Q3395-04MSD} with File ID: VW032401.D met criteria except for 1,1,2,2-Tetrachloroethane[36%], 1,1,2-Trichloroethane[32%], 1,2,3-Trichlorobenzene[30%], 2-Butanone[21%], 2-Hexanone[22%], Acetone[28%], Carbon

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disulfide[24%], Carbon Tetrachloride[25%], cis-1,3-Dichloropropene[25%], Methylcyclohexane[8200%] and t-1,3-Dichloropropene[21%] due to difference in results of MS and MSD.

The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration method (82W100125S.M) for Methylene chloride passing on Linear regression.

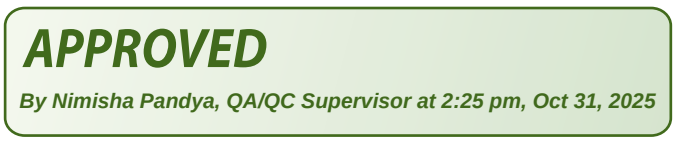
The Continuous Calibration File ID VW032378.D met the requirements except for Bromoform and Dibromochloromethane are failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:
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.

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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 # Q3395
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 10/17/2025.

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-Semi Volatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis except for PB170215BL [Nitrobenzene-d5 - 110%] marginally high therefore no corrective action taken.

The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.

The MS {Q3395-03MS} with File ID: BF144087.D recoveries met the requirements for all compounds except for 1,4-Dioxane[0%], due to matrix interference. No corrective action is needed.

The MSD {Q3395-04MSD} with File ID: BF144088.D recoveries met the requirements for all compounds except for 1,4-Dioxane[0%] and Phenol[49%], due to matrix interference. No corrective action is needed.

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.

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The %RSD is greater than 20% in the Method 8270-BG102421.M for 2-Nitrophenol, 2-Nitroaniline, 2,6-Dinitrotoluene, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylphenolthese Compounds are passing on Linear regression,

The Continuous Calibration File ID BF144097.D met the requirements except for Caprolactam, Pyrene and Terphenyl-d14, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

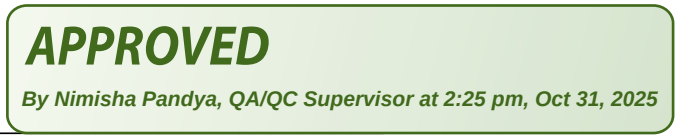
The Continuous Calibration File ID BG064618.D met the requirements except for Nitrobenzene-d5, Di-n-octyl phthalate, marginally high therefore no corrective action was taken.Hexachlorocyclopentadiene The associate samples have no positive hit for these compounds therefore no corrective action was taken.

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.

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

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CASE NARRATIVE

AECOM
Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Project # N/A
Order ID # Q3395
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 10/17/2025.

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 requirements for all samples.
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:
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 2:26 pm, Oct 31, 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 # Q3395
Test Name: PCB

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 10/17/2025.

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 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 met the requirements.

E. Additional Comments:
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 2:26 pm, Oct 31, 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 # Q3395
Test Name: Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:
7 Solid samples were received on 10/17/2025.
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-S09-000051-20251017 was diluted due to high concentrations for Chromium,Mercury & Sample PR132-S07-000102-20251017 was diluted due to high concentrations for Chromium,Mercury & Sample PR132-S07-102116-20251017 was diluted due to high concentrations for Aluminum,Chromium,Iron,Mercury.
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 except for Barium, Lead, Nickel, Selenium and Silver due to Chemical Interference during Digestion process.
The Matrix Spike Duplicate analysis met criteria for all compounds except for Barium, Lead, Nickel, Selenium 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 criteria for all compounds.

E. Additional Comments:
The Post Digest Spike (PR132-S07-000102-20251017A) analysis met criteria for all compounds except for Selenium and 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 2:26 pm, Oct 31, 2025

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

CASE NARRATIVE

AECOM
Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Project # N/A
Order ID # Q3395
Test Name: Hexavalent Chromium,TOC

A. Number of Samples and Date of Receipt:

6 Solid samples were received on 10/17/2025.

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.
Sample PR132-S09-000051-20251017 was diluted due to high concentrations for TOC &
Sample PR132-S07-000102-20251017 was diluted due to high concentrations for TOC &
Sample PR132-S07-102116-20251017 was diluted due to high concentrations for TOC.
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 Q3395-01, Q3395-02, Q3395-05 for TOC analysis. Therefore Lab has reported the TOC result with "OR" qualifier.

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 2:26 pm, Oct 31, 2025

284 Sheffield Street, Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

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 #: Q3395

	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:** 10/31/2025

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LAB CHRONICLE

OrderID:	Q3395	**OrderDate:**	10/17/2025 4:25:00 PM
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
Q3395-01	**PR132-S09-000051-2 0251017**	**SOIL**			**10/17/25**			**10/17/25**
			VOC-TCLVOA-10	8260D			10/20/25	
Q3395-02	**PR132-S07-000102-2 0251017**	**SOIL**			**10/17/25**			**10/17/25**
			VOC-TCLVOA-10	8260D			10/20/25	
Q3395-05	**PR132-S07-102116-2 0251017**	**SOIL**			**10/17/25**			**10/17/25**
			VOC-TCLVOA-10	8260D			10/20/25	
Q3395-07	**PR132-S08-038048-2 0251017**	**SOIL**			**10/17/25**			**10/17/25**
			VOC-TCLVOA-10	8260D			10/20/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3395

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**PR132-S09-000051-20251017**								
Q3395-01	PR132-S09-000051	SOIL	Acetone		140		8.40	44.3	ug/Kg
Q3395-01	PR132-S09-000051	SOIL	Carbon Disulfide		43.9		1.90	8.90	ug/Kg
Q3395-01	PR132-S09-000051	SOIL	2-Butanone		38.6	J	11.6	44.3	ug/Kg
Q3395-01	PR132-S09-000051	SOIL	Benzene		2.70	J	1.40	8.90	ug/Kg
			Total Voc :		225				
Q3395-01	PR132-S09-000051	SOIL	3-Heptene, 2,2,4,6,6-pentameth	*	140	J	0	0	ug/Kg
Q3395-01	PR132-S09-000051	SOIL	Heptane, 2,2,6,6-tetramethyl-4-	*	120	J	0	0	ug/Kg
			Total Tics :		260				
			Total Concentration:		485				
Client ID:	**PR132-S07-000102-20251017**								
Q3395-02	PR132-S07-000102	SOIL	Acetone		480		11.4	60.3	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	Carbon Disulfide		18.6		2.60	12.1	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	2-Butanone		150		15.8	60.3	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	Methylcyclohexane		120		2.20	12.1	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	Benzene		7.50	J	1.90	12.1	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	o-Xylene		13.2		2.00	12.1	ug/Kg
			Total Voc :		789				
Q3395-02	PR132-S07-000102	SOIL	Heptane, 2,6-dimethyl-	*	240	J	0	0	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	Octane, 2,6-dimethyl-	*	460	J	0	0	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	Heptane, 3-ethyl-2-methyl-	*	790	J	0	0	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	Undecane, 2,6-dimethyl-	*	290	J	0	0	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	Dodecane, 2,7,10-trimethyl-	*	250	J	0	0	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	1,3,5-Trimethylbenzene	*	10.0	J	2.00	12.1	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	1,2,4-Trimethylbenzene	*	11.5	J	1.50	12.1	ug/Kg
			Total Tics :		2050				
			Total Concentration:		2840				
Client ID:	**PR132-S07-102116-20251017**								
Q3395-05	PR132-S07-102116	SOIL	Acetone		430		9.40	49.4	ug/Kg
Q3395-05	PR132-S07-102116	SOIL	Carbon Disulfide		19.8		2.10	9.90	ug/Kg
Q3395-05	PR132-S07-102116	SOIL	2-Butanone		130		12.9	49.4	ug/Kg
Q3395-05	PR132-S07-102116	SOIL	Methylcyclohexane		83.0		1.80	9.90	ug/Kg
Q3395-05	PR132-S07-102116	SOIL	Isopropylbenzene		5.60	J	1.50	9.90	ug/Kg
			Total Voc :		668				
Q3395-05	PR132-S07-102116	SOIL	Heptane, 2,6-dimethyl-	*	150	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116	SOIL	Heptane, 2,5-dimethyl-	*	120	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116	SOIL	Cyclohexane, 1,1,3-trimethyl-	*	200	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3395

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3395-05	PR132-S07-102116	SOIL	Cyclohexane, 1,2,4-trimethyl-,	*	120	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116	SOIL	Octane, 3,6-dimethyl-	*	180	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116	SOIL	1,2,4-Trimethylbenzene	*	9.60	J	1.30	9.90	ug/Kg
			Total Tics :		780				
			Total Concentration:		1450				
Client ID:	**PR132-S08-038048-20251017**								
Q3395-07	PR132-S08-038048	SOIL	Acetone		370		8.90	46.8	ug/Kg
Q3395-07	PR132-S08-038048	SOIL	Carbon Disulfide		7.20	J	2.00	9.40	ug/Kg
Q3395-07	PR132-S08-038048	SOIL	Methyl Acetate		5.80	J	2.90	9.40	ug/Kg
Q3395-07	PR132-S08-038048	SOIL	2-Butanone		110		12.2	46.8	ug/Kg
			Total Voc :		493				
Q3395-07	PR132-S08-038048	SOIL	Octane, 2,6-dimethyl-	*	120	J	0	0	ug/Kg
Q3395-07	PR132-S08-038048	SOIL	Undecane, 2,6-dimethyl-	*	150	J	0	0	ug/Kg
Q3395-07	PR132-S08-038048	SOIL	Dodecane, 2,6,11-trimethyl-	*	100	J	0	0	ug/Kg
			Total Tics :		370				
			Total Concentration:		863				

SAMPLE DATA

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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:	PR132-S09-000051-202510	SDG No.:	Q3395
Lab Sample ID:	Q3395-01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 52.9
Sample Wt/Vol:	5.33 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	8.90	U	1	2.00	8.90	ug/Kg	10/20/25 17:51	VW102025
74-87-3	Chloromethane	8.90	U	1	2.00	8.90	ug/Kg	10/20/25 17:51	VW102025
75-01-4	Vinyl Chloride	8.90	U	1	1.40	8.90	ug/Kg	10/20/25 17:51	VW102025
74-83-9	Bromomethane	8.90	U	1	1.90	8.90	ug/Kg	10/20/25 17:51	VW102025
75-00-3	Chloroethane	8.90	U	1	2.20	8.90	ug/Kg	10/20/25 17:51	VW102025
75-69-4	Trichlorofluoromethane	8.90	U	1	2.10	8.90	ug/Kg	10/20/25 17:51	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	8.90	U	1	1.90	8.90	ug/Kg	10/20/25 17:51	VW102025
75-35-4	1,1-Dichloroethene	8.90	U	1	1.80	8.90	ug/Kg	10/20/25 17:51	VW102025
67-64-1	Acetone	140		1	8.40	44.3	ug/Kg	10/20/25 17:51	VW102025
75-15-0	Carbon Disulfide	43.9		1	1.90	8.90	ug/Kg	10/20/25 17:51	VW102025
1634-04-4	Methyl tert-butyl Ether	8.90	U	1	1.30	8.90	ug/Kg	10/20/25 17:51	VW102025
79-20-9	Methyl Acetate	8.90	U	1	2.70	8.90	ug/Kg	10/20/25 17:51	VW102025
75-09-2	Methylene Chloride	17.7	U	1	6.30	17.7	ug/Kg	10/20/25 17:51	VW102025
156-60-5	trans-1,2-Dichloroethene	8.90	U	1	1.50	8.90	ug/Kg	10/20/25 17:51	VW102025
75-34-3	1,1-Dichloroethane	8.90	U	1	1.40	8.90	ug/Kg	10/20/25 17:51	VW102025
110-82-7	Cyclohexane	8.90	U	1	1.40	8.90	ug/Kg	10/20/25 17:51	VW102025
78-93-3	2-Butanone	38.6	J	1	11.6	44.3	ug/Kg	10/20/25 17:51	VW102025
56-23-5	Carbon Tetrachloride	8.90	U	1	1.70	8.90	ug/Kg	10/20/25 17:51	VW102025
156-59-2	cis-1,2-Dichloroethene	8.90	U	1	1.30	8.90	ug/Kg	10/20/25 17:51	VW102025
74-97-5	Bromochloromethane	8.90	U	1	2.00	8.90	ug/Kg	10/20/25 17:51	VW102025
67-66-3	Chloroform	8.90	U	1	1.50	8.90	ug/Kg	10/20/25 17:51	VW102025
71-55-6	1,1,1-Trichloroethane	8.90	U	1	1.60	8.90	ug/Kg	10/20/25 17:51	VW102025
108-87-2	Methylcyclohexane	8.90	U	1	1.60	8.90	ug/Kg	10/20/25 17:51	VW102025
71-43-2	Benzene	2.70	J	1	1.40	8.90	ug/Kg	10/20/25 17:51	VW102025
107-06-2	1,2-Dichloroethane	8.90	U	1	1.40	8.90	ug/Kg	10/20/25 17:51	VW102025
79-01-6	Trichloroethene	8.90	U	1	1.40	8.90	ug/Kg	10/20/25 17:51	VW102025
78-87-5	1,2-Dichloropropane	8.90	U	1	1.60	8.90	ug/Kg	10/20/25 17:51	VW102025
75-27-4	Bromodichloromethane	8.90	U	1	1.40	8.90	ug/Kg	10/20/25 17:51	VW102025
108-10-1	4-Methyl-2-Pentanone	44.3	U	1	6.30	44.3	ug/Kg	10/20/25 17:51	VW102025
108-88-3	Toluene	8.90	U	1	1.40	8.90	ug/Kg	10/20/25 17:51	VW102025
10061-02-6	t-1,3-Dichloropropene	8.90	U	1	1.20	8.90	ug/Kg	10/20/25 17:51	VW102025
10061-01-5	cis-1,3-Dichloropropene	8.90	U	1	1.10	8.90	ug/Kg	10/20/25 17:51	VW102025
79-00-5	1,1,2-Trichloroethane	8.90	U	1	1.60	8.90	ug/Kg	10/20/25 17:51	VW102025
591-78-6	2-Hexanone	44.3	U	1	6.50	44.3	ug/Kg	10/20/25 17:51	VW102025
124-48-1	Dibromochloromethane	8.90	U	1	1.50	8.90	ug/Kg	10/20/25 17:51	VW102025
106-93-4	1,2-Dibromoethane	8.90	U	1	1.60	8.90	ug/Kg	10/20/25 17:51	VW102025
127-18-4	Tetrachloroethene	8.90	U	1	1.90	8.90	ug/Kg	10/20/25 17:51	VW102025
108-90-7	Chlorobenzene	8.90	U	1	1.60	8.90	ug/Kg	10/20/25 17:51	VW102025
100-41-4	Ethyl Benzene	8.90	U	1	1.20	8.90	ug/Kg	10/20/25 17:51	VW102025
179601-23-1	m/p-Xylenes	17.7	U	1	2.20	17.7	ug/Kg	10/20/25 17:51	VW102025
95-47-6	o-Xylene	8.90	U	1	1.50	8.90	ug/Kg	10/20/25 17:51	VW102025
100-42-5	Styrene	8.90	U	1	1.30	8.90	ug/Kg	10/20/25 17:51	VW102025
75-25-2	Bromoform	8.90	U	1	1.50	8.90	ug/Kg	10/20/25 17:51	VW102025

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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:	PR132-S09-000051-202510	SDG No.:	Q3395
Lab Sample ID:	Q3395-01	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	52.9
Sample Wt/Vol:	5.33 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	8.90	U	1	1.40	8.90	ug/Kg	10/20/25 17:51	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	8.90	U	1	2.10	8.90	ug/Kg	10/20/25 17:51	VW102025
541-73-1	1,3-Dichlorobenzene	8.90	U	1	3.00	8.90	ug/Kg	10/20/25 17:51	VW102025
106-46-7	1,4-Dichlorobenzene	8.90	U	1	2.80	8.90	ug/Kg	10/20/25 17:51	VW102025
95-50-1	1,2-Dichlorobenzene	8.90	U	1	2.60	8.90	ug/Kg	10/20/25 17:51	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	8.90	U	1	3.30	8.90	ug/Kg	10/20/25 17:51	VW102025
120-82-1	1,2,4-Trichlorobenzene	8.90	U	1	5.30	8.90	ug/Kg	10/20/25 17:51	VW102025
87-61-6	1,2,3-Trichlorobenzene	8.90	U	1	5.60	8.90	ug/Kg	10/20/25 17:51	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.8			63 - 155	122%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.9			70 - 134	108%	SPK: 50		
2037-26-5	Toluene-d8	53.3			74 - 123	107%	SPK: 50		
460-00-4	4-Bromofluorobenzene	64.8			17 - 146	130%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	242000							
540-36-3	1,4-Difluorobenzene	528000							
3114-55-4	Chlorobenzene-d5	532000							
3855-82-1	1,4-Dichlorobenzene-d4	278000							
TENTATIVE IDENTIFIED COMPOUNDS									
000141-70-8	Heptane, 2,2,6,6-tetramethyl-4-met	120	J			13.1	ug/Kg		
000123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	140	J			13.1	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:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-202510	SDG No.:	Q3395
Lab Sample ID:	Q3395-02	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 47.9
Sample Wt/Vol:	4.33 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	12.1	U	1	2.70	12.1	ug/Kg	10/20/25 18:14	VW102025
74-87-3	Chloromethane	12.1	U	1	2.70	12.1	ug/Kg	10/20/25 18:14	VW102025
75-01-4	Vinyl Chloride	12.1	U	1	1.90	12.1	ug/Kg	10/20/25 18:14	VW102025
74-83-9	Bromomethane	12.1	U	1	2.60	12.1	ug/Kg	10/20/25 18:14	VW102025
75-00-3	Chloroethane	12.1	U	1	3.00	12.1	ug/Kg	10/20/25 18:14	VW102025
75-69-4	Trichlorofluoromethane	12.1	U	1	2.90	12.1	ug/Kg	10/20/25 18:14	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	12.1	U	1	2.60	12.1	ug/Kg	10/20/25 18:14	VW102025
75-35-4	1,1-Dichloroethene	12.1	U	1	2.40	12.1	ug/Kg	10/20/25 18:14	VW102025
67-64-1	Acetone	480		1	11.4	60.3	ug/Kg	10/20/25 18:14	VW102025
75-15-0	Carbon Disulfide	18.6		1	2.60	12.1	ug/Kg	10/20/25 18:14	VW102025
1634-04-4	Methyl tert-butyl Ether	12.1	U	1	1.80	12.1	ug/Kg	10/20/25 18:14	VW102025
79-20-9	Methyl Acetate	12.1	U	1	3.70	12.1	ug/Kg	10/20/25 18:14	VW102025
75-09-2	Methylene Chloride	24.1	U	1	8.50	24.1	ug/Kg	10/20/25 18:14	VW102025
156-60-5	trans-1,2-Dichloroethene	12.1	U	1	2.10	12.1	ug/Kg	10/20/25 18:14	VW102025
75-34-3	1,1-Dichloroethane	12.1	U	1	1.90	12.1	ug/Kg	10/20/25 18:14	VW102025
110-82-7	Cyclohexane	12.1	U	1	1.90	12.1	ug/Kg	10/20/25 18:14	VW102025
78-93-3	2-Butanone	150		1	15.8	60.3	ug/Kg	10/20/25 18:14	VW102025
56-23-5	Carbon Tetrachloride	12.1	U	1	2.30	12.1	ug/Kg	10/20/25 18:14	VW102025
156-59-2	cis-1,2-Dichloroethene	12.1	U	1	1.80	12.1	ug/Kg	10/20/25 18:14	VW102025
74-97-5	Bromochloromethane	12.1	U	1	2.80	12.1	ug/Kg	10/20/25 18:14	VW102025
67-66-3	Chloroform	12.1	U	1	2.00	12.1	ug/Kg	10/20/25 18:14	VW102025
71-55-6	1,1,1-Trichloroethane	12.1	U	1	2.20	12.1	ug/Kg	10/20/25 18:14	VW102025
108-87-2	Methylcyclohexane	120		1	2.20	12.1	ug/Kg	10/20/25 18:14	VW102025
71-43-2	Benzene	7.50	J	1	1.90	12.1	ug/Kg	10/20/25 18:14	VW102025
107-06-2	1,2-Dichloroethane	12.1	U	1	1.90	12.1	ug/Kg	10/20/25 18:14	VW102025
79-01-6	Trichloroethene	12.1	U	1	2.00	12.1	ug/Kg	10/20/25 18:14	VW102025
78-87-5	1,2-Dichloropropane	12.1	U	1	2.20	12.1	ug/Kg	10/20/25 18:14	VW102025
75-27-4	Bromodichloromethane	12.1	U	1	1.90	12.1	ug/Kg	10/20/25 18:14	VW102025
108-10-1	4-Methyl-2-Pentanone	60.3	U	1	8.60	60.3	ug/Kg	10/20/25 18:14	VW102025
108-88-3	Toluene	12.1	U	1	1.90	12.1	ug/Kg	10/20/25 18:14	VW102025
10061-02-6	t-1,3-Dichloropropene	12.1	U	1	1.60	12.1	ug/Kg	10/20/25 18:14	VW102025
10061-01-5	cis-1,3-Dichloropropene	12.1	U	1	1.50	12.1	ug/Kg	10/20/25 18:14	VW102025
79-00-5	1,1,2-Trichloroethane	12.1	U	1	2.20	12.1	ug/Kg	10/20/25 18:14	VW102025
591-78-6	2-Hexanone	60.3	U	1	8.90	60.3	ug/Kg	10/20/25 18:14	VW102025
124-48-1	Dibromochloromethane	12.1	U	1	2.10	12.1	ug/Kg	10/20/25 18:14	VW102025
106-93-4	1,2-Dibromoethane	12.1	U	1	2.10	12.1	ug/Kg	10/20/25 18:14	VW102025
127-18-4	Tetrachloroethene	12.1	U	1	2.50	12.1	ug/Kg	10/20/25 18:14	VW102025
108-90-7	Chlorobenzene	12.1	U	1	2.20	12.1	ug/Kg	10/20/25 18:14	VW102025
100-41-4	Ethyl Benzene	12.1	U	1	1.60	12.1	ug/Kg	10/20/25 18:14	VW102025
179601-23-1	m/p-Xylenes	24.1	U	1	3.00	24.1	ug/Kg	10/20/25 18:14	VW102025
95-47-6	o-Xylene	13.2		1	2.00	12.1	ug/Kg	10/20/25 18:14	VW102025
100-42-5	Styrene	12.1	U	1	1.70	12.1	ug/Kg	10/20/25 18:14	VW102025
75-25-2	Bromoform	12.1	U	1	2.10	12.1	ug/Kg	10/20/25 18:14	VW102025

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:	PR132-S07-000102-202510	SDG No.:	Q3395
Lab Sample ID:	Q3395-02	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 47.9
Sample Wt/Vol:	4.33 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	12.1	U	1	1.90	12.1	ug/Kg	10/20/25 18:14	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	12.1	U	1	2.90	12.1	ug/Kg	10/20/25 18:14	VW102025
541-73-1	1,3-Dichlorobenzene	12.1	U	1	4.10	12.1	ug/Kg	10/20/25 18:14	VW102025
106-46-7	1,4-Dichlorobenzene	12.1	U	1	3.80	12.1	ug/Kg	10/20/25 18:14	VW102025
95-50-1	1,2-Dichlorobenzene	12.1	U	1	3.50	12.1	ug/Kg	10/20/25 18:14	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	12.1	U	1	4.40	12.1	ug/Kg	10/20/25 18:14	VW102025
120-82-1	1,2,4-Trichlorobenzene	12.1	U	1	7.20	12.1	ug/Kg	10/20/25 18:14	VW102025
87-61-6	1,2,3-Trichlorobenzene	12.1	U	1	7.70	12.1	ug/Kg	10/20/25 18:14	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	61.3			63 - 155	123%	SPK: 50		
1868-53-7	Dibromofluoromethane	55.0			70 - 134	110%	SPK: 50		
2037-26-5	Toluene-d8	58.2			74 - 123	116%	SPK: 50		
460-00-4	4-Bromofluorobenzene	68.0			17 - 146	136%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	223000							
540-36-3	1,4-Difluorobenzene	496000							
3114-55-4	Chlorobenzene-d5	505000							
3855-82-1	1,4-Dichlorobenzene-d4	270000							
TENTATIVE IDENTIFIED COMPOUNDS									
001072-05-5	Heptane, 2,6-dimethyl-	240	J			10.9	ug/Kg		
002051-30-1	Octane, 2,6-dimethyl-	460	J			12.3	ug/Kg		
014676-29-0	Heptane, 3-ethyl-2-methyl-	790	J			12.4	ug/Kg		
108-67-8	1,3,5-Trimethylbenzene	10.0	J			12.9	ug/Kg		
95-63-6	1,2,4-Trimethylbenzene	11.5	J			13.3	ug/Kg		
017301-23-4	Undecane, 2,6-dimethyl-	290	J			14.8	ug/Kg		
074645-98-0	Dodecane, 2,7,10-trimethyl-	250	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:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-102116-202510	SDG No.:	Q3395
Lab Sample ID:	Q3395-05	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 51.4
Sample Wt/Vol:	4.92 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	9.90	U	1	2.30	9.90	ug/Kg	10/20/25 18:36	VW102025
74-87-3	Chloromethane	9.90	U	1	2.30	9.90	ug/Kg	10/20/25 18:36	VW102025
75-01-4	Vinyl Chloride	9.90	U	1	1.60	9.90	ug/Kg	10/20/25 18:36	VW102025
74-83-9	Bromomethane	9.90	U	1	2.10	9.90	ug/Kg	10/20/25 18:36	VW102025
75-00-3	Chloroethane	9.90	U	1	2.50	9.90	ug/Kg	10/20/25 18:36	VW102025
75-69-4	Trichlorofluoromethane	9.90	U	1	2.40	9.90	ug/Kg	10/20/25 18:36	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	9.90	U	1	2.10	9.90	ug/Kg	10/20/25 18:36	VW102025
75-35-4	1,1-Dichloroethene	9.90	U	1	2.00	9.90	ug/Kg	10/20/25 18:36	VW102025
67-64-1	Acetone	430		1	9.40	49.4	ug/Kg	10/20/25 18:36	VW102025
75-15-0	Carbon Disulfide	19.8		1	2.10	9.90	ug/Kg	10/20/25 18:36	VW102025
1634-04-4	Methyl tert-butyl Ether	9.90	U	1	1.40	9.90	ug/Kg	10/20/25 18:36	VW102025
79-20-9	Methyl Acetate	9.90	U	1	3.00	9.90	ug/Kg	10/20/25 18:36	VW102025
75-09-2	Methylene Chloride	19.8	U	1	7.00	19.8	ug/Kg	10/20/25 18:36	VW102025
156-60-5	trans-1,2-Dichloroethene	9.90	U	1	1.70	9.90	ug/Kg	10/20/25 18:36	VW102025
75-34-3	1,1-Dichloroethane	9.90	U	1	1.60	9.90	ug/Kg	10/20/25 18:36	VW102025
110-82-7	Cyclohexane	9.90	U	1	1.60	9.90	ug/Kg	10/20/25 18:36	VW102025
78-93-3	2-Butanone	130		1	12.9	49.4	ug/Kg	10/20/25 18:36	VW102025
56-23-5	Carbon Tetrachloride	9.90	U	1	1.90	9.90	ug/Kg	10/20/25 18:36	VW102025
156-59-2	cis-1,2-Dichloroethene	9.90	U	1	1.50	9.90	ug/Kg	10/20/25 18:36	VW102025
74-97-5	Bromochloromethane	9.90	U	1	2.30	9.90	ug/Kg	10/20/25 18:36	VW102025
67-66-3	Chloroform	9.90	U	1	1.70	9.90	ug/Kg	10/20/25 18:36	VW102025
71-55-6	1,1,1-Trichloroethane	9.90	U	1	1.80	9.90	ug/Kg	10/20/25 18:36	VW102025
108-87-2	Methylcyclohexane	83.0		1	1.80	9.90	ug/Kg	10/20/25 18:36	VW102025
71-43-2	Benzene	9.90	U	1	1.60	9.90	ug/Kg	10/20/25 18:36	VW102025
107-06-2	1,2-Dichloroethane	9.90	U	1	1.60	9.90	ug/Kg	10/20/25 18:36	VW102025
79-01-6	Trichloroethene	9.90	U	1	1.60	9.90	ug/Kg	10/20/25 18:36	VW102025
78-87-5	1,2-Dichloropropane	9.90	U	1	1.80	9.90	ug/Kg	10/20/25 18:36	VW102025
75-27-4	Bromodichloromethane	9.90	U	1	1.50	9.90	ug/Kg	10/20/25 18:36	VW102025
108-10-1	4-Methyl-2-Pentanone	49.4	U	1	7.10	49.4	ug/Kg	10/20/25 18:36	VW102025
108-88-3	Toluene	9.90	U	1	1.50	9.90	ug/Kg	10/20/25 18:36	VW102025
10061-02-6	t-1,3-Dichloropropene	9.90	U	1	1.30	9.90	ug/Kg	10/20/25 18:36	VW102025
10061-01-5	cis-1,3-Dichloropropene	9.90	U	1	1.20	9.90	ug/Kg	10/20/25 18:36	VW102025
79-00-5	1,1,2-Trichloroethane	9.90	U	1	1.80	9.90	ug/Kg	10/20/25 18:36	VW102025
591-78-6	2-Hexanone	49.4	U	1	7.30	49.4	ug/Kg	10/20/25 18:36	VW102025
124-48-1	Dibromochloromethane	9.90	U	1	1.70	9.90	ug/Kg	10/20/25 18:36	VW102025
106-93-4	1,2-Dibromoethane	9.90	U	1	1.70	9.90	ug/Kg	10/20/25 18:36	VW102025
127-18-4	Tetrachloroethene	9.90	U	1	2.10	9.90	ug/Kg	10/20/25 18:36	VW102025
108-90-7	Chlorobenzene	9.90	U	1	1.80	9.90	ug/Kg	10/20/25 18:36	VW102025
100-41-4	Ethyl Benzene	9.90	U	1	1.30	9.90	ug/Kg	10/20/25 18:36	VW102025
179601-23-1	m/p-Xylenes	19.8	U	1	2.50	19.8	ug/Kg	10/20/25 18:36	VW102025
95-47-6	o-Xylene	9.90	U	1	1.60	9.90	ug/Kg	10/20/25 18:36	VW102025
100-42-5	Styrene	9.90	U	1	1.40	9.90	ug/Kg	10/20/25 18:36	VW102025
75-25-2	Bromoform	9.90	U	1	1.70	9.90	ug/Kg	10/20/25 18:36	VW102025

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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:	PR132-S07-102116-202510	SDG No.:	Q3395
Lab Sample ID:	Q3395-05	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 51.4
Sample Wt/Vol:	4.92 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	5.60	J	1	1.50	9.90	ug/Kg	10/20/25 18:36	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	9.90	U	1	2.40	9.90	ug/Kg	10/20/25 18:36	VW102025
541-73-1	1,3-Dichlorobenzene	9.90	U	1	3.40	9.90	ug/Kg	10/20/25 18:36	VW102025
106-46-7	1,4-Dichlorobenzene	9.90	U	1	3.10	9.90	ug/Kg	10/20/25 18:36	VW102025
95-50-1	1,2-Dichlorobenzene	9.90	U	1	2.90	9.90	ug/Kg	10/20/25 18:36	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	9.90	U	1	3.60	9.90	ug/Kg	10/20/25 18:36	VW102025
120-82-1	1,2,4-Trichlorobenzene	9.90	U	1	5.90	9.90	ug/Kg	10/20/25 18:36	VW102025
87-61-6	1,2,3-Trichlorobenzene	9.90	U	1	6.30	9.90	ug/Kg	10/20/25 18:36	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.3			63 - 155	121%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.0			70 - 134	104%	SPK: 50		
2037-26-5	Toluene-d8	55.0			74 - 123	110%	SPK: 50		
460-00-4	4-Bromofluorobenzene	71.4			17 - 146	143%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	238000							
540-36-3	1,4-Difluorobenzene	526000							
3114-55-4	Chlorobenzene-d5	518000							
3855-82-1	1,4-Dichlorobenzene-d4	243000							
TENTATIVE IDENTIFIED COMPOUNDS									
001072-05-5	Heptane, 2,6-dimethyl-	150	J			10.9	ug/Kg		
002216-30-0	Heptane, 2,5-dimethyl-	120	J			11.0	ug/Kg		
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	200	J			11.2	ug/Kg		
007667-60-9	Cyclohexane, 1,2,4-trimethyl-, (1.	120	J			11.4	ug/Kg		
015869-94-0	Octane, 3,6-dimethyl-	180	J			12.3	ug/Kg		
95-63-6	1,2,4-Trimethylbenzene	9.60	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

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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:	PR132-S08-038048-202510	SDG No.:	Q3395
Lab Sample ID:	Q3395-07	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 58.6
Sample Wt/Vol:	4.56 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	9.40	U	1	2.10	9.40	ug/Kg	10/20/25 18:58	VW102025
74-87-3	Chloromethane	9.40	U	1	2.10	9.40	ug/Kg	10/20/25 18:58	VW102025
75-01-4	Vinyl Chloride	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 18:58	VW102025
74-83-9	Bromomethane	9.40	U	1	2.00	9.40	ug/Kg	10/20/25 18:58	VW102025
75-00-3	Chloroethane	9.40	U	1	2.40	9.40	ug/Kg	10/20/25 18:58	VW102025
75-69-4	Trichlorofluoromethane	9.40	U	1	2.30	9.40	ug/Kg	10/20/25 18:58	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	9.40	U	1	2.00	9.40	ug/Kg	10/20/25 18:58	VW102025
75-35-4	1,1-Dichloroethene	9.40	U	1	1.90	9.40	ug/Kg	10/20/25 18:58	VW102025
67-64-1	Acetone	370		1	8.90	46.8	ug/Kg	10/20/25 18:58	VW102025
75-15-0	Carbon Disulfide	7.20	J	1	2.00	9.40	ug/Kg	10/20/25 18:58	VW102025
1634-04-4	Methyl tert-butyl Ether	9.40	U	1	1.40	9.40	ug/Kg	10/20/25 18:58	VW102025
79-20-9	Methyl Acetate	5.80	J	1	2.90	9.40	ug/Kg	10/20/25 18:58	VW102025
75-09-2	Methylene Chloride	18.7	U	1	6.60	18.7	ug/Kg	10/20/25 18:58	VW102025
156-60-5	trans-1,2-Dichloroethene	9.40	U	1	1.60	9.40	ug/Kg	10/20/25 18:58	VW102025
75-34-3	1,1-Dichloroethane	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 18:58	VW102025
110-82-7	Cyclohexane	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 18:58	VW102025
78-93-3	2-Butanone	110		1	12.2	46.8	ug/Kg	10/20/25 18:58	VW102025
56-23-5	Carbon Tetrachloride	9.40	U	1	1.80	9.40	ug/Kg	10/20/25 18:58	VW102025
156-59-2	cis-1,2-Dichloroethene	9.40	U	1	1.40	9.40	ug/Kg	10/20/25 18:58	VW102025
74-97-5	Bromochloromethane	9.40	U	1	2.20	9.40	ug/Kg	10/20/25 18:58	VW102025
67-66-3	Chloroform	9.40	U	1	1.60	9.40	ug/Kg	10/20/25 18:58	VW102025
71-55-6	1,1,1-Trichloroethane	9.40	U	1	1.70	9.40	ug/Kg	10/20/25 18:58	VW102025
108-87-2	Methylcyclohexane	9.40	U	1	1.70	9.40	ug/Kg	10/20/25 18:58	VW102025
71-43-2	Benzene	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 18:58	VW102025
107-06-2	1,2-Dichloroethane	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 18:58	VW102025
79-01-6	Trichloroethene	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 18:58	VW102025
78-87-5	1,2-Dichloropropane	9.40	U	1	1.70	9.40	ug/Kg	10/20/25 18:58	VW102025
75-27-4	Bromodichloromethane	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 18:58	VW102025
108-10-1	4-Methyl-2-Pentanone	46.8	U	1	6.70	46.8	ug/Kg	10/20/25 18:58	VW102025
108-88-3	Toluene	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 18:58	VW102025
10061-02-6	t-1,3-Dichloropropene	9.40	U	1	1.20	9.40	ug/Kg	10/20/25 18:58	VW102025
10061-01-5	cis-1,3-Dichloropropene	9.40	U	1	1.20	9.40	ug/Kg	10/20/25 18:58	VW102025
79-00-5	1,1,2-Trichloroethane	9.40	U	1	1.70	9.40	ug/Kg	10/20/25 18:58	VW102025
591-78-6	2-Hexanone	46.8	U	1	6.90	46.8	ug/Kg	10/20/25 18:58	VW102025
124-48-1	Dibromochloromethane	9.40	U	1	1.60	9.40	ug/Kg	10/20/25 18:58	VW102025
106-93-4	1,2-Dibromoethane	9.40	U	1	1.60	9.40	ug/Kg	10/20/25 18:58	VW102025
127-18-4	Tetrachloroethene	9.40	U	1	2.00	9.40	ug/Kg	10/20/25 18:58	VW102025
108-90-7	Chlorobenzene	9.40	U	1	1.70	9.40	ug/Kg	10/20/25 18:58	VW102025
100-41-4	Ethyl Benzene	9.40	U	1	1.30	9.40	ug/Kg	10/20/25 18:58	VW102025
179601-23-1	m/p-Xylenes	18.7	U	1	2.30	18.7	ug/Kg	10/20/25 18:58	VW102025
95-47-6	o-Xylene	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 18:58	VW102025
100-42-5	Styrene	9.40	U	1	1.30	9.40	ug/Kg	10/20/25 18:58	VW102025
75-25-2	Bromoform	9.40	U	1	1.60	9.40	ug/Kg	10/20/25 18:58	VW102025

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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:	PR132-S08-038048-202510	SDG No.:	Q3395
Lab Sample ID:	Q3395-07	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	58.6
Sample Wt/Vol:	4.56 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	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 18:58	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	9.40	U	1	2.30	9.40	ug/Kg	10/20/25 18:58	VW102025
541-73-1	1,3-Dichlorobenzene	9.40	U	1	3.20	9.40	ug/Kg	10/20/25 18:58	VW102025
106-46-7	1,4-Dichlorobenzene	9.40	U	1	2.90	9.40	ug/Kg	10/20/25 18:58	VW102025
95-50-1	1,2-Dichlorobenzene	9.40	U	1	2.70	9.40	ug/Kg	10/20/25 18:58	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	9.40	U	1	3.40	9.40	ug/Kg	10/20/25 18:58	VW102025
120-82-1	1,2,4-Trichlorobenzene	9.40	U	1	5.60	9.40	ug/Kg	10/20/25 18:58	VW102025
87-61-6	1,2,3-Trichlorobenzene	9.40	U	1	6.00	9.40	ug/Kg	10/20/25 18:58	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.1			63 - 155	116%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.2			70 - 134	102%	SPK: 50		
2037-26-5	Toluene-d8	50.6			74 - 123	101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	64.8			17 - 146	130%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	240000							
540-36-3	1,4-Difluorobenzene	525000							
3114-55-4	Chlorobenzene-d5	508000							
3855-82-1	1,4-Dichlorobenzene-d4	246000							
TENTATIVE IDENTIFIED COMPOUNDS									
002051-30-1	Octane, 2,6-dimethyl-	120	J			12.3	ug/Kg		
017301-23-4	Undecane, 2,6-dimethyl-	150	J			14.8	ug/Kg		
031295-56-4	Dodecane, 2,6,11-trimethyl-	100	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

QC SUMMARY

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Surrogate Summary

SDG No.: Q3395

Client: AECOM

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3395-01	PR132-S09-000051-20251017	1,2-Dichloroethane-d4	50	60.8	122		63	155
		Dibromofluoromethane	50	53.9	108		70	134
		Toluene-d8	50	53.3	107		74	123
		4-Bromofluorobenzene	50	64.8	130		17	146
Q3395-02	PR132-S07-000102-20251017	1,2-Dichloroethane-d4	50	61.3	123		63	155
		Dibromofluoromethane	50	55.0	110		70	134
		Toluene-d8	50	58.2	116		74	123
		4-Bromofluorobenzene	50	68.0	136		17	146
Q3395-03MS	PR132-S07-000102-20251017MS	1,2-Dichloroethane-d4	50	70.3	141		63	155
		Dibromofluoromethane	50	54.6	109		70	134
		Toluene-d8	50	41.2	82		74	123
		4-Bromofluorobenzene	50	36.0	72		17	146
Q3395-04MSD	PR132-S07-000102-20251017MSD	1,2-Dichloroethane-d4	50	71.7	143		63	155
		Dibromofluoromethane	50	55.3	111		70	134
		Toluene-d8	50	38.0	76		74	123
		4-Bromofluorobenzene	50	62.4	125		17	146
Q3395-05	PR132-S07-102116-20251017	1,2-Dichloroethane-d4	50	60.3	121		63	155
		Dibromofluoromethane	50	52.0	104		70	134
		Toluene-d8	50	55.0	110		74	123
		4-Bromofluorobenzene	50	71.4	143		17	146
Q3395-07	PR132-S08-038048-20251017	1,2-Dichloroethane-d4	50	58.0	116		63	155
		Dibromofluoromethane	50	51.2	102		70	134
		Toluene-d8	50	50.6	101		74	123
		4-Bromofluorobenzene	50	64.8	130		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

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VW032400.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q3395-03MS		**Client Sample ID : PR132-S07-000102-20251017MS**									
Dichlorodifluoromethane	94.6	0	110	ug/Kg	116				40	150	
Chloromethane	94.6	0	100	ug/Kg	106				24	175	
Vinyl chloride	94.6	0	120	ug/Kg	127				21	175	
Bromomethane	94.6	0	64.8	ug/Kg	68				46	150	
Chloroethane	94.6	0	120	ug/Kg	127				30	175	
Trichlorofluoromethane	94.6	0	110	ug/Kg	116				53	150	
1,1,2-Trichlorotrifluoroethane	94.6	0	62.1	ug/Kg	66				60	135	
1,1-Dichloroethene	94.6	0	110	ug/Kg	116				63	136	
Acetone	470	480	1700	ug/Kg	260	*			41	175	
Carbon disulfide	94.6	18.6	86.5	ug/Kg	72				45	126	
Methyl tert-butyl Ether	94.6	0	160	ug/Kg	169				56	175	
Methyl Acetate	94.6	0	690	ug/Kg	729	*			32	175	
Methylene Chloride	94.6	0	140	ug/Kg	148				59	175	
trans-1,2-Dichloroethene	94.6	0	97.6	ug/Kg	103				63	137	
1,1-Dichloroethane	94.6	0	120	ug/Kg	127				62	154	
Cyclohexane	94.6	0	47.1	ug/Kg	50				41	131	
2-Butanone	470	150	1100	ug/Kg	202	*			48	174	
Carbon Tetrachloride	94.6	0	32.5	ug/Kg	34	*			48	149	
cis-1,2-Dichloroethene	94.6	0	120	ug/Kg	127				59	153	
Bromochloromethane	94.6	0	120	ug/Kg	127				54	172	
Chloroform	94.6	0	120	ug/Kg	127				60	159	
1,1,1-Trichloroethane	94.6	0	98.0	ug/Kg	104				60	149	
Methylcyclohexane	94.6	120	140	ug/Kg	21				19	135	
Benzene	94.6	7.50	99.5	ug/Kg	97				59	140	
1,2-Dichloroethane	94.6	0	110	ug/Kg	116				63	153	
Trichloroethene	94.6	0	80.7	ug/Kg	85				45	154	
1,2-Dichloropropane	94.6	0	98.6	ug/Kg	104				67	141	
Bromodichloromethane	94.6	0	97.0	ug/Kg	103				54	160	
4-Methyl-2-Pentanone	470	0	760	ug/Kg	162				54	164	
Toluene	94.6	0	64.0	ug/Kg	68				61	134	
t-1,3-Dichloropropene	94.6	0	45.7	ug/Kg	48				47	155	
cis-1,3-Dichloropropene	94.6	0	35.3	ug/Kg	37	*			56	141	
1,1,2-Trichloroethane	94.6	0	76.3	ug/Kg	81				69	148	
2-Hexanone	470	0	620	ug/Kg	132				43	164	
Dibromochloromethane	94.6	0	79.8	ug/Kg	84				65	143	
1,2-Dibromoethane	94.6	0	94.7	ug/Kg	100				63	144	
Tetrachloroethene	94.6	0	83.2	ug/Kg	88				27	175	
Chlorobenzene	94.6	0	90.4	ug/Kg	96				66	127	
Ethyl Benzene	94.6	0	70.7	ug/Kg	75				54	134	
m/p-Xylenes	190	0	140	ug/Kg	74				51	137	
o-Xylene	94.6	13.2	97.5	ug/Kg	89				57	139	
Styrene	94.6	0	68.4	ug/Kg	72				47	136	
Bromoform	94.6	0	130	ug/Kg	137				64	144	
Isopropylbenzene	94.6	0	62.9	ug/Kg	66				44	160	
1,1,2,2-Tetrachloroethane	94.6	0	260	ug/Kg	275	*			18	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VW032400.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	94.6	0	46.2	ug/Kg	49	*			55	131	
1,4-Dichlorobenzene	94.6	0	48.9	ug/Kg	52	*			57	129	
1,2-Dichlorobenzene	94.6	0	53.7	ug/Kg	57				54	140	
1,2-Dibromo-3-Chloropropane	94.6	0	170	ug/Kg	180	*			46	175	
1,2,4-Trichlorobenzene	94.6	0	38.1	ug/Kg	40				12	127	
1,2,3-Trichlorobenzene	94.6	0	33.7	ug/Kg	36				10	160	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VW032401.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q3395-04MSD		**Client Sample ID : PR132-S07-000102-20251017MSD**									
Dichlorodifluoromethane	99.2	0	130	ug/Kg	131		12		40	150	20
Chloromethane	99.2	0	120	ug/Kg	121		13		24	175	20
Vinyl chloride	99.2	0	130	ug/Kg	131		3		21	175	20
Bromomethane	99.2	0	78.9	ug/Kg	80		15		46	150	20
Chloroethane	99.2	0	140	ug/Kg	141		11		30	175	20
Trichlorofluoromethane	99.2	0	120	ug/Kg	121		4		53	150	20
1,1,2-Trichlorotrifluoroethane	99.2	0	64.4	ug/Kg	65		1		60	135	20
1,1-Dichloroethene	99.2	0	130	ug/Kg	131		12		63	136	20
Acetone	500	480	2200	ug/Kg	344	*	28	*	41	175	20
Carbon disulfide	99.2	18.6	110	ug/Kg	92		24	*	45	126	20
Methyl tert-butyl Ether	99.2	0	170	ug/Kg	171		1		56	175	20
Methyl Acetate	99.2	0	600	ug/Kg	605	*	19		32	175	20
Methylene Chloride	99.2	0	150	ug/Kg	151		2		59	175	20
trans-1,2-Dichloroethene	99.2	0	120	ug/Kg	121		16		63	137	20
1,1-Dichloroethane	99.2	0	130	ug/Kg	131		3		62	154	20
Cyclohexane	99.2	0	42.8	ug/Kg	43		14		41	131	20
2-Butanone	500	150	1400	ug/Kg	250	*	21	*	48	174	20
Carbon Tetrachloride	99.2	0	43.9	ug/Kg	44	*	25	*	48	149	20
cis-1,2-Dichloroethene	99.2	0	130	ug/Kg	131		3		59	153	20
Bromochloromethane	99.2	0	130	ug/Kg	131		3		54	172	20
Chloroform	99.2	0	130	ug/Kg	131		3		60	159	20
1,1,1-Trichloroethane	99.2	0	110	ug/Kg	111		7		60	149	20
Methylcyclohexane	99.2	120	100	ug/Kg	-20	*	8200	*	19	135	20
Benzene	99.2	7.50	110	ug/Kg	103		6		59	140	20
1,2-Dichloroethane	99.2	0	120	ug/Kg	121		4		63	153	20
Trichloroethene	99.2	0	85.7	ug/Kg	86		1		45	154	20
1,2-Dichloropropane	99.2	0	100	ug/Kg	101		3		67	141	20
Bromodichloromethane	99.2	0	110	ug/Kg	111		8		54	160	20
4-Methyl-2-Pentanone	500	0	850	ug/Kg	170	*	5		54	164	20
Toluene	99.2	0	69.4	ug/Kg	70		3		61	134	20
t-1,3-Dichloropropene	99.2	0	59.3	ug/Kg	60		21	*	47	155	20
cis-1,3-Dichloropropene	99.2	0	47.5	ug/Kg	48	*	25	*	56	141	20
1,1,2-Trichloroethane	99.2	0	110	ug/Kg	111		32	*	69	148	20
2-Hexanone	500	0	820	ug/Kg	164		22	*	43	164	20
Dibromochloromethane	99.2	0	90.2	ug/Kg	91		7		65	143	20
1,2-Dibromoethane	99.2	0	110	ug/Kg	111		10		63	144	20
Tetrachloroethene	99.2	0	79.7	ug/Kg	80		9		27	175	20
Chlorobenzene	99.2	0	95.2	ug/Kg	96		0		66	127	20
Ethyl Benzene	99.2	0	73.0	ug/Kg	74		2		54	134	20
m/p-Xylenes	200	0	140	ug/Kg	70		5		51	137	20
o-Xylene	99.2	13.2	97.8	ug/Kg	85		5		57	139	20
Styrene	99.2	0	72.8	ug/Kg	73		1		47	136	20
Bromoform	99.2	0	150	ug/Kg	151	*	10		64	144	20
Isopropylbenzene	99.2	0	55.5	ug/Kg	56		17		44	160	20
1,1,2,2-Tetrachloroethane	99.2	0	190	ug/Kg	192	*	36	*	18	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VW032401.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	99.2	0	42.3	ug/Kg	43	*	14		55	131	20
1,4-Dichlorobenzene	99.2	0	46.1	ug/Kg	46	*	11		57	129	20
1,2-Dichlorobenzene	99.2	0	49.2	ug/Kg	50	*	13		54	140	20
1,2-Dibromo-3-Chloropropane	99.2	0	180	ug/Kg	181	*	1		46	175	20
1,2,4-Trichlorobenzene	99.2	0	33.2	ug/Kg	33		18		12	127	20
1,2,3-Trichlorobenzene	99.2	0	26.0	ug/Kg	26		30	*	10	160	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3395 **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.: Q3395 **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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VOLATILE METHOD BLANK SUMMARY

Client ID: VW1020SBL01

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3395

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
PR132-S09-000051-20251017	Q3395-01	VW032396.D	10/20/2025
PR132-S07-000102-20251017	Q3395-02	VW032397.D	10/20/2025
PR132-S07-102116-20251017	Q3395-05	VW032398.D	10/20/2025
PR132-S08-038048-20251017	Q3395-07	VW032399.D	10/20/2025
PR132-S07-000102-20251017MS	Q3395-03MS	VW032400.D	10/20/2025
PR132-S07-000102-20251017MSD	Q3395-04MSD	VW032401.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.: Q3395
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.: Q3395
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
PR132-S09-000051-20251017	Q3395-01	VW032396.D	10/20/2025	17:51
PR132-S07-000102-20251017	Q3395-02	VW032397.D	10/20/2025	18:14
PR132-S07-102116-20251017	Q3395-05	VW032398.D	10/20/2025	18:36
PR132-S08-038048-20251017	Q3395-07	VW032399.D	10/20/2025	18:58
PR132-S07-000102-20251017MS	Q3395-03MS	VW032400.D	10/20/2025	19:20
PR132-S07-000102-20251017MSD	Q3395-04MSD	VW032401.D	10/20/2025	19:42

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3395

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-S09-000051-20251017	242117		7.96	528270	8.86	532171		11.63
PR132-S07-000102-20251017	223455		7.96	495591	8.85	505431		11.63
PR132-S07-000102-20251017MS	125839	*	7.97	270130	8.85	141965	*	11.63
PR132-S07-000102-20251017MSD	130782	*	7.96	279199	8.85	138787	*	11.64
PR132-S07-102116-20251017	238348		7.96	525564	8.85	518256		11.64
PR132-S08-038048-20251017	239838		7.96	525260	8.85	508147		11.64
VW1020SBL01	172114		7.96	392797	8.85	400571		11.63
VW1020SBS01	280998		7.96	517149	8.85	480746		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.: Q3395

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-S09-000051-20251017	278056		13.56				
PR132-S07-000102-20251017	270145		13.56				
PR132-S07-000102-20251017MS	54387	*	13.56				
PR132-S07-000102-20251017MSD	56507	*	13.56				
PR132-S07-102116-20251017	242674		13.55				
PR132-S08-038048-20251017	246462		13.56				
VW1020SBL01	188560		13.56				
VW1020SBS01	240746		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

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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.:	Q3395
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.:	Q3395
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

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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.:	Q3395
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.:	Q3395
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

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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:	PR132-S07-000102-202510	SDG No.:	Q3395
Lab Sample ID:	Q3395-03MS	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	47.9
Sample Wt/Vol:	5.52 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	110		1	2.20	9.50	ug/Kg	10/20/25 19:20	VW102025
74-87-3	Chloromethane	100		1	2.20	9.50	ug/Kg	10/20/25 19:20	VW102025
75-01-4	Vinyl Chloride	120		1	1.50	9.50	ug/Kg	10/20/25 19:20	VW102025
74-83-9	Bromomethane	64.8		1	2.00	9.50	ug/Kg	10/20/25 19:20	VW102025
75-00-3	Chloroethane	120		1	2.40	9.50	ug/Kg	10/20/25 19:20	VW102025
75-69-4	Trichlorofluoromethane	110		1	2.30	9.50	ug/Kg	10/20/25 19:20	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	62.1		1	2.00	9.50	ug/Kg	10/20/25 19:20	VW102025
75-35-4	1,1-Dichloroethene	110		1	1.90	9.50	ug/Kg	10/20/25 19:20	VW102025
67-64-1	Acetone	1700	E	1	9.00	47.3	ug/Kg	10/20/25 19:20	VW102025
75-15-0	Carbon Disulfide	86.5		1	2.00	9.50	ug/Kg	10/20/25 19:20	VW102025
1634-04-4	Methyl tert-butyl Ether	160		1	1.40	9.50	ug/Kg	10/20/25 19:20	VW102025
79-20-9	Methyl Acetate	690	E	1	2.90	9.50	ug/Kg	10/20/25 19:20	VW102025
75-09-2	Methylene Chloride	140		1	6.70	18.9	ug/Kg	10/20/25 19:20	VW102025
156-60-5	trans-1,2-Dichloroethene	97.6		1	1.60	9.50	ug/Kg	10/20/25 19:20	VW102025
75-34-3	1,1-Dichloroethane	120		1	1.50	9.50	ug/Kg	10/20/25 19:20	VW102025
110-82-7	Cyclohexane	47.1		1	1.50	9.50	ug/Kg	10/20/25 19:20	VW102025
78-93-3	2-Butanone	1100		1	12.4	47.3	ug/Kg	10/20/25 19:20	VW102025
56-23-5	Carbon Tetrachloride	32.5		1	1.80	9.50	ug/Kg	10/20/25 19:20	VW102025
156-59-2	cis-1,2-Dichloroethene	120		1	1.40	9.50	ug/Kg	10/20/25 19:20	VW102025
74-97-5	Bromochloromethane	120		1	2.20	9.50	ug/Kg	10/20/25 19:20	VW102025
67-66-3	Chloroform	120		1	1.60	9.50	ug/Kg	10/20/25 19:20	VW102025
71-55-6	1,1,1-Trichloroethane	98.0		1	1.80	9.50	ug/Kg	10/20/25 19:20	VW102025
108-87-2	Methylcyclohexane	140		1	1.70	9.50	ug/Kg	10/20/25 19:20	VW102025
71-43-2	Benzene	99.5		1	1.50	9.50	ug/Kg	10/20/25 19:20	VW102025
107-06-2	1,2-Dichloroethane	110		1	1.50	9.50	ug/Kg	10/20/25 19:20	VW102025
79-01-6	Trichloroethene	80.7		1	1.50	9.50	ug/Kg	10/20/25 19:20	VW102025
78-87-5	1,2-Dichloropropane	98.6		1	1.70	9.50	ug/Kg	10/20/25 19:20	VW102025
75-27-4	Bromodichloromethane	97.0		1	1.50	9.50	ug/Kg	10/20/25 19:20	VW102025
108-10-1	4-Methyl-2-Pentanone	760		1	6.80	47.3	ug/Kg	10/20/25 19:20	VW102025
108-88-3	Toluene	64.0		1	1.50	9.50	ug/Kg	10/20/25 19:20	VW102025
10061-02-6	t-1,3-Dichloropropene	45.7		1	1.20	9.50	ug/Kg	10/20/25 19:20	VW102025
10061-01-5	cis-1,3-Dichloropropene	35.3		1	1.20	9.50	ug/Kg	10/20/25 19:20	VW102025
79-00-5	1,1,2-Trichloroethane	76.3		1	1.70	9.50	ug/Kg	10/20/25 19:20	VW102025
591-78-6	2-Hexanone	620		1	7.00	47.3	ug/Kg	10/20/25 19:20	VW102025
124-48-1	Dibromochloromethane	79.8		1	1.60	9.50	ug/Kg	10/20/25 19:20	VW102025
106-93-4	1,2-Dibromoethane	94.7		1	1.70	9.50	ug/Kg	10/20/25 19:20	VW102025
127-18-4	Tetrachloroethene	83.2		1	2.00	9.50	ug/Kg	10/20/25 19:20	VW102025
108-90-7	Chlorobenzene	90.4		1	1.70	9.50	ug/Kg	10/20/25 19:20	VW102025
100-41-4	Ethyl Benzene	70.7		1	1.30	9.50	ug/Kg	10/20/25 19:20	VW102025
179601-23-1	m/p-Xylenes	140		1	2.30	18.9	ug/Kg	10/20/25 19:20	VW102025
95-47-6	o-Xylene	97.5		1	1.60	9.50	ug/Kg	10/20/25 19:20	VW102025
100-42-5	Styrene	68.4		1	1.30	9.50	ug/Kg	10/20/25 19:20	VW102025
75-25-2	Bromoform	130		1	1.60	9.50	ug/Kg	10/20/25 19:20	VW102025

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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:	PR132-S07-000102-202510	SDG No.:	Q3395
Lab Sample ID:	Q3395-03MS	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	47.9
Sample Wt/Vol:	5.52 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	62.9		1	1.50	9.50	ug/Kg	10/20/25 19:20	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	260		1	2.30	9.50	ug/Kg	10/20/25 19:20	VW102025
541-73-1	1,3-Dichlorobenzene	46.2		1	3.20	9.50	ug/Kg	10/20/25 19:20	VW102025
106-46-7	1,4-Dichlorobenzene	48.9		1	2.90	9.50	ug/Kg	10/20/25 19:20	VW102025
95-50-1	1,2-Dichlorobenzene	53.7		1	2.70	9.50	ug/Kg	10/20/25 19:20	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	170		1	3.50	9.50	ug/Kg	10/20/25 19:20	VW102025
120-82-1	1,2,4-Trichlorobenzene	38.1		1	5.60	9.50	ug/Kg	10/20/25 19:20	VW102025
87-61-6	1,2,3-Trichlorobenzene	33.7		1	6.00	9.50	ug/Kg	10/20/25 19:20	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	70.3			63 - 155	141%	SPK: 50		
1868-53-7	Dibromofluoromethane	54.6			70 - 134	109%	SPK: 50		
2037-26-5	Toluene-d8	41.2			74 - 123	82%	SPK: 50		
460-00-4	4-Bromofluorobenzene	36.0			17 - 146	72%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	126000							
540-36-3	1,4-Difluorobenzene	270000							
3114-55-4	Chlorobenzene-d5	142000							
3855-82-1	1,4-Dichlorobenzene-d4	54400							

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:	PR132-S07-000102-202510	SDG No.:	Q3395
Lab Sample ID:	Q3395-04MSD	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 47.9
Sample Wt/Vol:	5.26 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	130		1	2.30	9.90	ug/Kg	10/20/25 19:42	VW102025
74-87-3	Chloromethane	120		1	2.30	9.90	ug/Kg	10/20/25 19:42	VW102025
75-01-4	Vinyl Chloride	130		1	1.60	9.90	ug/Kg	10/20/25 19:42	VW102025
74-83-9	Bromomethane	78.9		1	2.10	9.90	ug/Kg	10/20/25 19:42	VW102025
75-00-3	Chloroethane	140		1	2.50	9.90	ug/Kg	10/20/25 19:42	VW102025
75-69-4	Trichlorofluoromethane	120		1	2.40	9.90	ug/Kg	10/20/25 19:42	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	64.4		1	2.10	9.90	ug/Kg	10/20/25 19:42	VW102025
75-35-4	1,1-Dichloroethene	130		1	2.00	9.90	ug/Kg	10/20/25 19:42	VW102025
67-64-1	Acetone	2200	E	1	9.40	49.6	ug/Kg	10/20/25 19:42	VW102025
75-15-0	Carbon Disulfide	110		1	2.10	9.90	ug/Kg	10/20/25 19:42	VW102025
1634-04-4	Methyl tert-butyl Ether	170		1	1.40	9.90	ug/Kg	10/20/25 19:42	VW102025
79-20-9	Methyl Acetate	600	E	1	3.10	9.90	ug/Kg	10/20/25 19:42	VW102025
75-09-2	Methylene Chloride	150		1	7.00	19.8	ug/Kg	10/20/25 19:42	VW102025
156-60-5	trans-1,2-Dichloroethene	120		1	1.70	9.90	ug/Kg	10/20/25 19:42	VW102025
75-34-3	1,1-Dichloroethane	130		1	1.60	9.90	ug/Kg	10/20/25 19:42	VW102025
110-82-7	Cyclohexane	42.8		1	1.60	9.90	ug/Kg	10/20/25 19:42	VW102025
78-93-3	2-Butanone	1400		1	13.0	49.6	ug/Kg	10/20/25 19:42	VW102025
56-23-5	Carbon Tetrachloride	43.9		1	1.90	9.90	ug/Kg	10/20/25 19:42	VW102025
156-59-2	cis-1,2-Dichloroethene	130		1	1.50	9.90	ug/Kg	10/20/25 19:42	VW102025
74-97-5	Bromochloromethane	130		1	2.30	9.90	ug/Kg	10/20/25 19:42	VW102025
67-66-3	Chloroform	130		1	1.70	9.90	ug/Kg	10/20/25 19:42	VW102025
71-55-6	1,1,1-Trichloroethane	110		1	1.80	9.90	ug/Kg	10/20/25 19:42	VW102025
108-87-2	Methylcyclohexane	100		1	1.80	9.90	ug/Kg	10/20/25 19:42	VW102025
71-43-2	Benzene	110		1	1.60	9.90	ug/Kg	10/20/25 19:42	VW102025
107-06-2	1,2-Dichloroethane	120		1	1.60	9.90	ug/Kg	10/20/25 19:42	VW102025
79-01-6	Trichloroethene	85.7		1	1.60	9.90	ug/Kg	10/20/25 19:42	VW102025
78-87-5	1,2-Dichloropropane	100		1	1.80	9.90	ug/Kg	10/20/25 19:42	VW102025
75-27-4	Bromodichloromethane	110		1	1.50	9.90	ug/Kg	10/20/25 19:42	VW102025
108-10-1	4-Methyl-2-Pentanone	850		1	7.10	49.6	ug/Kg	10/20/25 19:42	VW102025
108-88-3	Toluene	69.4		1	1.50	9.90	ug/Kg	10/20/25 19:42	VW102025
10061-02-6	t-1,3-Dichloropropene	59.3		1	1.30	9.90	ug/Kg	10/20/25 19:42	VW102025
10061-01-5	cis-1,3-Dichloropropene	47.5		1	1.20	9.90	ug/Kg	10/20/25 19:42	VW102025
79-00-5	1,1,2-Trichloroethane	110		1	1.80	9.90	ug/Kg	10/20/25 19:42	VW102025
591-78-6	2-Hexanone	820		1	7.30	49.6	ug/Kg	10/20/25 19:42	VW102025
124-48-1	Dibromochloromethane	90.2		1	1.70	9.90	ug/Kg	10/20/25 19:42	VW102025
106-93-4	1,2-Dibromoethane	110		1	1.70	9.90	ug/Kg	10/20/25 19:42	VW102025
127-18-4	Tetrachloroethene	79.7		1	2.10	9.90	ug/Kg	10/20/25 19:42	VW102025
108-90-7	Chlorobenzene	95.2		1	1.80	9.90	ug/Kg	10/20/25 19:42	VW102025
100-41-4	Ethyl Benzene	73.0		1	1.30	9.90	ug/Kg	10/20/25 19:42	VW102025
179601-23-1	m/p-Xylenes	140		1	2.50	19.8	ug/Kg	10/20/25 19:42	VW102025
95-47-6	o-Xylene	97.8		1	1.60	9.90	ug/Kg	10/20/25 19:42	VW102025
100-42-5	Styrene	72.8		1	1.40	9.90	ug/Kg	10/20/25 19:42	VW102025
75-25-2	Bromoform	150		1	1.70	9.90	ug/Kg	10/20/25 19:42	VW102025

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:	PR132-S07-000102-202510	SDG No.:	Q3395
Lab Sample ID:	Q3395-04MSD	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	47.9
Sample Wt/Vol:	5.26 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	55.5		1	1.50	9.90	ug/Kg	10/20/25 19:42	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	190		1	2.40	9.90	ug/Kg	10/20/25 19:42	VW102025
541-73-1	1,3-Dichlorobenzene	42.3		1	3.40	9.90	ug/Kg	10/20/25 19:42	VW102025
106-46-7	1,4-Dichlorobenzene	46.1		1	3.10	9.90	ug/Kg	10/20/25 19:42	VW102025
95-50-1	1,2-Dichlorobenzene	49.2		1	2.90	9.90	ug/Kg	10/20/25 19:42	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	180		1	3.70	9.90	ug/Kg	10/20/25 19:42	VW102025
120-82-1	1,2,4-Trichlorobenzene	33.2		1	5.90	9.90	ug/Kg	10/20/25 19:42	VW102025
87-61-6	1,2,3-Trichlorobenzene	26.0		1	6.30	9.90	ug/Kg	10/20/25 19:42	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	71.7			63 - 155	143%	SPK: 50		
1868-53-7	Dibromofluoromethane	55.3			70 - 134	111%	SPK: 50		
2037-26-5	Toluene-d8	38.0			74 - 123	76%	SPK: 50		
460-00-4	4-Bromofluorobenzene	62.4			17 - 146	125%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	131000							
540-36-3	1,4-Difluorobenzene	279000							
3114-55-4	Chlorobenzene-d5	139000							
3855-82-1	1,4-Dichlorobenzene-d4	56500							

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.: Q3395

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.: Q3395

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.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG No.: Q3395
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.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3395

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.

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

LAB CHRONICLE

OrderID:	Q3395	**OrderDate:**	10/17/2025 4:25:00 PM
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
Q3395-01	**PR132-S09-000051-20251017**	**SOIL**			**10/17/25**			**10/17/25**
			SVOC-TCL BNA -20	8270E		10/23/25	10/28/25	
Q3395-02	**PR132-S07-000102-20251017**	**SOIL**			**10/17/25**			**10/17/25**
			SVOC-TCL BNA -20	8270E		10/23/25	10/27/25	
Q3395-05	**PR132-S07-102116-20251017**	**SOIL**			**10/17/25**			**10/17/25**
			SVOC-TCL BNA -20	8270E		10/23/25	10/28/25	
Q3395-06	**PR132-COMP03-2025-20251017**	**SOIL**			**10/17/25**			**10/17/25**
			SVOC-TCL BNA -20	8270E		10/23/25	10/28/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q3395

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**PR132-S09-000051-20251017**								
Q3395-01	PR132-S09-000051-2025	SOIL	Benzophenone	*	200.000	J	0	0	ug/Kg
Q3395-01	PR132-S09-000051-2025	SOIL	Tridecanoic acid	*	220.000	J	0	0	ug/Kg
			Total Tics :		**420.00**				
			Total Concentration:		**420.00**				
Client ID :	**PR132-S07-000102-22510170**								
Q3395-02	PR132-S07-000102-2251	SOIL	Phenanthrene		190.000	J	43.5	350	ug/Kg
Q3395-02	PR132-S07-000102-2251	SOIL	Fluoranthene		180.000	J	62.4	350	ug/Kg
			Total Svoc :		**370.00**				
Q3395-02	PR132-S07-000102-2251	SOIL	Benzophenone	*	310.000	J	0	0	ug/Kg
			Total Tics :		**310.00**				
			Total Concentration:		**680.00**				
Client ID :	**PR132-S07-102116-20251017**								
Q3395-05	PR132-S07-102116-2025	SOIL	Benzophenone	*	830.000	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116-2025	SOIL	Dodecane, 2,7,10-trimethyl-	*	130.000	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116-2025	SOIL	Dotriacontane, 1-iodo-	*	1,300.000	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116-2025	SOIL	Hexacosane	*	210.000	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116-2025	SOIL	Hexadecane, 2-methyl-	*	1,200.000	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116-2025	SOIL	n-Hexadecanoic acid	*	440.000	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116-2025	SOIL	Octacosane	*	650.000	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116-2025	SOIL	Octacosane, 2-methyl-	*	1,100.000	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116-2025	SOIL	Pentacosane	*	920.000	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116-2025	SOIL	Pentadecane, 2,6,10,14-tetrameth	*	270.000	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116-2025	SOIL	Tridecane	*	170.000	J	0	0	ug/Kg
			Total Tics :		**7,220.00**				
			Total Concentration:		**7,220.00**				
Client ID :	**PR132-COMP03-2025-20251017**								
Q3395-06	PR132-COMP03-2025-2(	SOIL	Benzophenone	*	170.000	J	0	0	ug/Kg
			Total Tics :		**170.00**				
			Total Concentration:		**170.00**				

SAMPLE DATA

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:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S09-000051-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	52.9
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	620	U	1	290	620	ug/Kg	10/28/25 16:44	PB170215
108-95-2	Phenol	320	U	1	41.7	320	ug/Kg	10/28/25 16:44	PB170215
111-44-4	bis(2-Chloroethyl)ether	320	U	1	45.9	320	ug/Kg	10/28/25 16:44	PB170215
95-57-8	2-Chlorophenol	320	U	1	46.1	320	ug/Kg	10/28/25 16:44	PB170215
95-48-7	2-Methylphenol	320	U	1	56.4	320	ug/Kg	10/28/25 16:44	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	320	U	1	70.8	320	ug/Kg	10/28/25 16:44	PB170215
98-86-2	Acetophenone	320	U	1	55.7	320	ug/Kg	10/28/25 16:44	PB170215
65794-96-9	3+4-Methylphenols	620	U	1	77.6	620	ug/Kg	10/28/25 16:44	PB170215
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	89.5	150	ug/Kg	10/28/25 16:44	PB170215
67-72-1	Hexachloroethane	320	U	1	33.2	320	ug/Kg	10/28/25 16:44	PB170215
98-95-3	Nitrobenzene	320	U	1	34.5	320	ug/Kg	10/28/25 16:44	PB170215
78-59-1	Isophorone	320	U	1	61.9	320	ug/Kg	10/28/25 16:44	PB170215
88-75-5	2-Nitrophenol	320	U	1	110	320	ug/Kg	10/28/25 16:44	PB170215
105-67-9	2,4-Dimethylphenol	320	U	1	120	320	ug/Kg	10/28/25 16:44	PB170215
111-91-1	bis(2-Chloroethoxy)methane	320	U	1	58.1	320	ug/Kg	10/28/25 16:44	PB170215
120-83-2	2,4-Dichlorophenol	320	U	1	53.4	320	ug/Kg	10/28/25 16:44	PB170215
91-20-3	Naphthalene	320	U	1	42.9	320	ug/Kg	10/28/25 16:44	PB170215
106-47-8	4-Chloroaniline	320	U	1	66.8	320	ug/Kg	10/28/25 16:44	PB170215
87-68-3	Hexachlorobutadiene	320	U	1	47.8	320	ug/Kg	10/28/25 16:44	PB170215
105-60-2	Caprolactam	620	U	1	98.4	620	ug/Kg	10/28/25 16:44	PB170215
59-50-7	4-Chloro-3-methylphenol	320	U	1	54.2	320	ug/Kg	10/28/25 16:44	PB170215
91-57-6	2-Methylnaphthalene	320	U	1	48.3	320	ug/Kg	10/28/25 16:44	PB170215
77-47-4	Hexachlorocyclopentadiene	620	U	1	220	620	ug/Kg	10/28/25 16:44	PB170215
88-06-2	2,4,6-Trichlorophenol	320	U	1	37.4	320	ug/Kg	10/28/25 16:44	PB170215
95-95-4	2,4,5-Trichlorophenol	320	U	1	54.9	320	ug/Kg	10/28/25 16:44	PB170215
92-52-4	1,1-Biphenyl	320	U	1	41.2	320	ug/Kg	10/28/25 16:44	PB170215
91-58-7	2-Chloronaphthalene	320	U	1	42.5	320	ug/Kg	10/28/25 16:44	PB170215
88-74-4	2-Nitroaniline	320	U	1	90.8	320	ug/Kg	10/28/25 16:44	PB170215
131-11-3	Dimethylphthalate	320	U	1	51.2	320	ug/Kg	10/28/25 16:44	PB170215
208-96-8	Acenaphthylene	320	U	1	54.6	320	ug/Kg	10/28/25 16:44	PB170215
606-20-2	2,6-Dinitrotoluene	320	U	1	63.4	320	ug/Kg	10/28/25 16:44	PB170215
99-09-2	3-Nitroaniline	320	U	1	86.8	320	ug/Kg	10/28/25 16:44	PB170215
83-32-9	Acenaphthene	320	U	1	40.2	320	ug/Kg	10/28/25 16:44	PB170215
51-28-5	2,4-Dinitrophenol	620	U	1	430	620	ug/Kg	10/28/25 16:44	PB170215
100-02-7	4-Nitrophenol	620	U	1	200	620	ug/Kg	10/28/25 16:44	PB170215
132-64-9	Dibenzofuran	320	U	1	42.9	320	ug/Kg	10/28/25 16:44	PB170215
121-14-2	2,4-Dinitrotoluene	320	U	1	94.6	320	ug/Kg	10/28/25 16:44	PB170215
84-66-2	Diethylphthalate	320	U	1	53.4	320	ug/Kg	10/28/25 16:44	PB170215
7005-72-3	4-Chlorophenyl-phenylether	320	U	1	50.4	320	ug/Kg	10/28/25 16:44	PB170215
86-73-7	Fluorene	320	U	1	47.8	320	ug/Kg	10/28/25 16:44	PB170215
100-01-6	4-Nitroaniline	320	U	1	120	320	ug/Kg	10/28/25 16:44	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	620	U	1	190	620	ug/Kg	10/28/25 16:44	PB170215

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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:	PR132-S09-000051-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	52.9
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	320	U	1	62.1	320	ug/Kg	10/28/25 16:44	PB170215
101-55-3	4-Bromophenyl-phenylether	320	U	1	52.5	320	ug/Kg	10/28/25 16:44	PB170215
118-74-1	Hexachlorobenzene	320	U	1	47.8	320	ug/Kg	10/28/25 16:44	PB170215
1912-24-9	Atrazine	320	U	1	64.2	320	ug/Kg	10/28/25 16:44	PB170215
87-86-5	Pentachlorophenol	620	U	1	96.8	620	ug/Kg	10/28/25 16:44	PB170215
85-01-8	Phenanthrene	320	U	1	39.5	320	ug/Kg	10/28/25 16:44	PB170215
120-12-7	Anthracene	320	U	1	62.9	320	ug/Kg	10/28/25 16:44	PB170215
86-74-8	Carbazole	320	U	1	58.9	320	ug/Kg	10/28/25 16:44	PB170215
84-74-2	Di-n-butylphthalate	320	U	1	90.4	320	ug/Kg	10/28/25 16:44	PB170215
206-44-0	Fluoranthene	320	U	1	56.6	320	ug/Kg	10/28/25 16:44	PB170215
129-00-0	Pyrene	320	U	1	68.0	320	ug/Kg	10/28/25 16:44	PB170215
85-68-7	Butylbenzylphthalate	320	U	1	130	320	ug/Kg	10/28/25 16:44	PB170215
91-94-1	3,3-Dichlorobenzidine	620	U	1	69.3	620	ug/Kg	10/28/25 16:44	PB170215
56-55-3	Benzo(a)anthracene	320	U	1	43.4	320	ug/Kg	10/28/25 16:44	PB170215
218-01-9	Chrysene	320	U	1	37.6	320	ug/Kg	10/28/25 16:44	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	320	U	1	110	320	ug/Kg	10/28/25 16:44	PB170215
117-84-0	Di-n-octyl phthalate	620	U	1	160	620	ug/Kg	10/28/25 16:44	PB170215
205-99-2	Benzo(b)fluoranthene	320	U	1	35.9	320	ug/Kg	10/28/25 16:44	PB170215
207-08-9	Benzo(k)fluoranthene	320	U	1	42.3	320	ug/Kg	10/28/25 16:44	PB170215
50-32-8	Benzo(a)pyrene	320	U	1	55.7	320	ug/Kg	10/28/25 16:44	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	320	U	1	54.9	320	ug/Kg	10/28/25 16:44	PB170215
53-70-3	Dibenzo(a,h)anthracene	320	U	1	51.7	320	ug/Kg	10/28/25 16:44	PB170215
191-24-2	Benzo(g,h,i)perylene	320	U	1	48.5	320	ug/Kg	10/28/25 16:44	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	320	U	1	48.3	320	ug/Kg	10/28/25 16:44	PB170215
123-91-1	1,4-Dioxane	320	U	1	85.3	320	ug/Kg	10/28/25 16:44	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	320	U	1	51.7	320	ug/Kg	10/28/25 16:44	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	77.9			18 - 112	52%	SPK: 150		
13127-88-3	Phenol-d6	84.0			15 - 107	56%	SPK: 150		
4165-60-0	Nitrobenzene-d5	51.0			18 - 107	51%	SPK: 100		
321-60-8	2-Fluorobiphenyl	45.5			20 - 109	45%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	86.6			10 - 116	58%	SPK: 150		
1718-51-0	Terphenyl-d14	56.4			10 - 105	56%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	63400							
1146-65-2	Naphthalene-d8	254000							
15067-26-2	Acenaphthene-d10	152000							
1517-22-2	Phenanthrene-d10	267000							
1719-03-5	Chrysene-d12	149000							
1520-96-3	Perylene-d12	173000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	200	J			10.6	ug/Kg		
000638-53-9	Tridecanoic acid	220	J			11.9	ug/Kg		

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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:	PR132-S09-000051-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	52.9
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

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:	PR132-S07-000102-22510170	SDG No.:	Q3395
Lab Sample ID:	Q3395-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	47.9
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	690	U	1	320	690	ug/Kg	10/27/25 16:33	PB170215
108-95-2	Phenol	350	U	1	46.0	350	ug/Kg	10/27/25 16:33	PB170215
111-44-4	bis(2-Chloroethyl)ether	350	U	1	50.6	350	ug/Kg	10/27/25 16:33	PB170215
95-57-8	2-Chlorophenol	350	U	1	50.8	350	ug/Kg	10/27/25 16:33	PB170215
95-48-7	2-Methylphenol	350	U	1	62.2	350	ug/Kg	10/27/25 16:33	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	350	U	1	78.1	350	ug/Kg	10/27/25 16:33	PB170215
98-86-2	Acetophenone	350	U	1	61.4	350	ug/Kg	10/27/25 16:33	PB170215
65794-96-9	3+4-Methylphenols	690	U	1	85.5	690	ug/Kg	10/27/25 16:33	PB170215
621-64-7	n-Nitroso-di-n-propylamine	170	U	1	98.7	170	ug/Kg	10/27/25 16:33	PB170215
67-72-1	Hexachloroethane	350	U	1	36.6	350	ug/Kg	10/27/25 16:33	PB170215
98-95-3	Nitrobenzene	350	U	1	38.1	350	ug/Kg	10/27/25 16:33	PB170215
78-59-1	Isophorone	350	U	1	68.3	350	ug/Kg	10/27/25 16:33	PB170215
88-75-5	2-Nitrophenol	350	U	1	120	350	ug/Kg	10/27/25 16:33	PB170215
105-67-9	2,4-Dimethylphenol	350	U	1	130	350	ug/Kg	10/27/25 16:33	PB170215
111-91-1	bis(2-Chloroethoxy)methane	350	U	1	64.1	350	ug/Kg	10/27/25 16:33	PB170215
120-83-2	2,4-Dichlorophenol	350	U	1	58.9	350	ug/Kg	10/27/25 16:33	PB170215
91-20-3	Naphthalene	350	U	1	47.2	350	ug/Kg	10/27/25 16:33	PB170215
106-47-8	4-Chloroaniline	350	U	1	73.7	350	ug/Kg	10/27/25 16:33	PB170215
87-68-3	Hexachlorobutadiene	350	U	1	52.7	350	ug/Kg	10/27/25 16:33	PB170215
105-60-2	Caprolactam	690	U	1	110	690	ug/Kg	10/27/25 16:33	PB170215
59-50-7	4-Chloro-3-methylphenol	350	U	1	59.7	350	ug/Kg	10/27/25 16:33	PB170215
91-57-6	2-Methylnaphthalene	350	U	1	53.3	350	ug/Kg	10/27/25 16:33	PB170215
77-47-4	Hexachlorocyclopentadiene	690	U	1	240	690	ug/Kg	10/27/25 16:33	PB170215
88-06-2	2,4,6-Trichlorophenol	350	U	1	41.2	350	ug/Kg	10/27/25 16:33	PB170215
95-95-4	2,4,5-Trichlorophenol	350	U	1	60.6	350	ug/Kg	10/27/25 16:33	PB170215
92-52-4	1,1-Biphenyl	350	U	1	45.4	350	ug/Kg	10/27/25 16:33	PB170215
91-58-7	2-Chloronaphthalene	350	U	1	46.8	350	ug/Kg	10/27/25 16:33	PB170215
88-74-4	2-Nitroaniline	350	U	1	100	350	ug/Kg	10/27/25 16:33	PB170215
131-11-3	Dimethylphthalate	350	U	1	56.4	350	ug/Kg	10/27/25 16:33	PB170215
208-96-8	Acenaphthylene	350	U	1	60.2	350	ug/Kg	10/27/25 16:33	PB170215
606-20-2	2,6-Dinitrotoluene	350	U	1	69.9	350	ug/Kg	10/27/25 16:33	PB170215
99-09-2	3-Nitroaniline	350	U	1	95.7	350	ug/Kg	10/27/25 16:33	PB170215
83-32-9	Acenaphthene	350	U	1	44.3	350	ug/Kg	10/27/25 16:33	PB170215
51-28-5	2,4-Dinitrophenol	690	U	1	480	690	ug/Kg	10/27/25 16:33	PB170215
100-02-7	4-Nitrophenol	690	U	1	220	690	ug/Kg	10/27/25 16:33	PB170215
132-64-9	Dibenzofuran	350	U	1	47.2	350	ug/Kg	10/27/25 16:33	PB170215
121-14-2	2,4-Dinitrotoluene	350	U	1	100	350	ug/Kg	10/27/25 16:33	PB170215
84-66-2	Diethylphthalate	350	U	1	58.9	350	ug/Kg	10/27/25 16:33	PB170215
7005-72-3	4-Chlorophenyl-phenylether	350	U	1	55.6	350	ug/Kg	10/27/25 16:33	PB170215
86-73-7	Fluorene	350	U	1	52.7	350	ug/Kg	10/27/25 16:33	PB170215
100-01-6	4-Nitroaniline	350	U	1	130	350	ug/Kg	10/27/25 16:33	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	690	U	1	210	690	ug/Kg	10/27/25 16:33	PB170215

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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:	PR132-S07-000102-22510170	SDG No.:	Q3395
Lab Sample ID:	Q3395-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	47.9
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	350	U	1	68.5	350	ug/Kg	10/27/25 16:33	PB170215
101-55-3	4-Bromophenyl-phenylether	350	U	1	57.9	350	ug/Kg	10/27/25 16:33	PB170215
118-74-1	Hexachlorobenzene	350	U	1	52.7	350	ug/Kg	10/27/25 16:33	PB170215
1912-24-9	Atrazine	350	U	1	70.8	350	ug/Kg	10/27/25 16:33	PB170215
87-86-5	Pentachlorophenol	690	U	1	110	690	ug/Kg	10/27/25 16:33	PB170215
85-01-8	Phenanthrene	190	J	1	43.5	350	ug/Kg	10/27/25 16:33	PB170215
120-12-7	Anthracene	350	U	1	69.3	350	ug/Kg	10/27/25 16:33	PB170215
86-74-8	Carbazole	350	U	1	64.9	350	ug/Kg	10/27/25 16:33	PB170215
84-74-2	Di-n-butylphthalate	350	U	1	99.7	350	ug/Kg	10/27/25 16:33	PB170215
206-44-0	Fluoranthene	180	J	1	62.4	350	ug/Kg	10/27/25 16:33	PB170215
129-00-0	Pyrene	350	U	1	74.9	350	ug/Kg	10/27/25 16:33	PB170215
85-68-7	Butylbenzylphthalate	350	U	1	150	350	ug/Kg	10/27/25 16:33	PB170215
91-94-1	3,3-Dichlorobenzidine	690	U	1	76.4	690	ug/Kg	10/27/25 16:33	PB170215
56-55-3	Benzo(a)anthracene	350	U	1	47.9	350	ug/Kg	10/27/25 16:33	PB170215
218-01-9	Chrysene	350	U	1	41.4	350	ug/Kg	10/27/25 16:33	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	350	U	1	120	350	ug/Kg	10/27/25 16:33	PB170215
117-84-0	Di-n-octyl phthalate	690	U	1	180	690	ug/Kg	10/27/25 16:33	PB170215
205-99-2	Benzo(b)fluoranthene	350	U	1	39.5	350	ug/Kg	10/27/25 16:33	PB170215
207-08-9	Benzo(k)fluoranthene	350	U	1	46.6	350	ug/Kg	10/27/25 16:33	PB170215
50-32-8	Benzo(a)pyrene	350	U	1	61.4	350	ug/Kg	10/27/25 16:33	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	350	U	1	60.6	350	ug/Kg	10/27/25 16:33	PB170215
53-70-3	Dibenzo(a,h)anthracene	350	U	1	57.0	350	ug/Kg	10/27/25 16:33	PB170215
191-24-2	Benzo(g,h,i)perylene	350	U	1	53.5	350	ug/Kg	10/27/25 16:33	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	350	U	1	53.3	350	ug/Kg	10/27/25 16:33	PB170215
123-91-1	1,4-Dioxane	350	U	1	94.1	350	ug/Kg	10/27/25 16:33	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	350	U	1	57.0	350	ug/Kg	10/27/25 16:33	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	91.4			18 - 112	61%	SPK: 150		
13127-88-3	Phenol-d6	94.0			15 - 107	63%	SPK: 150		
4165-60-0	Nitrobenzene-d5	61.4			18 - 107	61%	SPK: 100		
321-60-8	2-Fluorobiphenyl	55.7			20 - 109	56%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	82.7			10 - 116	55%	SPK: 150		
1718-51-0	Terphenyl-d14	45.0			10 - 105	45%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	49200							
1146-65-2	Naphthalene-d8	183000							
15067-26-2	Acenaphthene-d10	93900							
1517-22-2	Phenanthrene-d10	147000							
1719-03-5	Chrysene-d12	133000							
1520-96-3	Perylene-d12	167000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	310	J			10.6	ug/Kg		

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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:	PR132-S07-000102-22510170	SDG No.:	Q3395
Lab Sample ID:	Q3395-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	47.9
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

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:	PR132-S07-102116-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.4
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	640	U	1	300	640	ug/Kg	10/28/25 23:10	PB170215
108-95-2	Phenol	330	U	1	43.0	330	ug/Kg	10/28/25 23:10	PB170215
111-44-4	bis(2-Chloroethyl)ether	330	U	1	47.2	330	ug/Kg	10/28/25 23:10	PB170215
95-57-8	2-Chlorophenol	330	U	1	47.4	330	ug/Kg	10/28/25 23:10	PB170215
95-48-7	2-Methylphenol	330	U	1	58.1	330	ug/Kg	10/28/25 23:10	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	330	U	1	72.9	330	ug/Kg	10/28/25 23:10	PB170215
98-86-2	Acetophenone	330	U	1	57.4	330	ug/Kg	10/28/25 23:10	PB170215
65794-96-9	3+4-Methylphenols	640	U	1	79.9	640	ug/Kg	10/28/25 23:10	PB170215
621-64-7	n-Nitroso-di-n-propylamine	160	U	1	92.2	160	ug/Kg	10/28/25 23:10	PB170215
67-72-1	Hexachloroethane	330	U	1	34.2	330	ug/Kg	10/28/25 23:10	PB170215
98-95-3	Nitrobenzene	330	U	1	35.6	330	ug/Kg	10/28/25 23:10	PB170215
78-59-1	Isophorone	330	U	1	63.8	330	ug/Kg	10/28/25 23:10	PB170215
88-75-5	2-Nitrophenol	330	U	1	110	330	ug/Kg	10/28/25 23:10	PB170215
105-67-9	2,4-Dimethylphenol	330	U	1	130	330	ug/Kg	10/28/25 23:10	PB170215
111-91-1	bis(2-Chloroethoxy)methane	330	U	1	59.9	330	ug/Kg	10/28/25 23:10	PB170215
120-83-2	2,4-Dichlorophenol	330	U	1	55.0	330	ug/Kg	10/28/25 23:10	PB170215
91-20-3	Naphthalene	330	U	1	44.1	330	ug/Kg	10/28/25 23:10	PB170215
106-47-8	4-Chloroaniline	330	U	1	68.8	330	ug/Kg	10/28/25 23:10	PB170215
87-68-3	Hexachlorobutadiene	330	U	1	49.2	330	ug/Kg	10/28/25 23:10	PB170215
105-60-2	Caprolactam	640	U	1	100	640	ug/Kg	10/28/25 23:10	PB170215
59-50-7	4-Chloro-3-methylphenol	330	U	1	55.8	330	ug/Kg	10/28/25 23:10	PB170215
91-57-6	2-Methylnaphthalene	330	U	1	49.8	330	ug/Kg	10/28/25 23:10	PB170215
77-47-4	Hexachlorocyclopentadiene	640	U	1	230	640	ug/Kg	10/28/25 23:10	PB170215
88-06-2	2,4,6-Trichlorophenol	330	U	1	38.5	330	ug/Kg	10/28/25 23:10	PB170215
95-95-4	2,4,5-Trichlorophenol	330	U	1	56.6	330	ug/Kg	10/28/25 23:10	PB170215
92-52-4	1,1-Biphenyl	330	U	1	42.4	330	ug/Kg	10/28/25 23:10	PB170215
91-58-7	2-Chloronaphthalene	330	U	1	43.7	330	ug/Kg	10/28/25 23:10	PB170215
88-74-4	2-Nitroaniline	330	U	1	93.5	330	ug/Kg	10/28/25 23:10	PB170215
131-11-3	Dimethylphthalate	330	U	1	52.7	330	ug/Kg	10/28/25 23:10	PB170215
208-96-8	Acenaphthylene	330	U	1	56.2	330	ug/Kg	10/28/25 23:10	PB170215
606-20-2	2,6-Dinitrotoluene	330	U	1	65.3	330	ug/Kg	10/28/25 23:10	PB170215
99-09-2	3-Nitroaniline	330	U	1	89.4	330	ug/Kg	10/28/25 23:10	PB170215
83-32-9	Acenaphthene	330	U	1	41.4	330	ug/Kg	10/28/25 23:10	PB170215
51-28-5	2,4-Dinitrophenol	640	U	1	450	640	ug/Kg	10/28/25 23:10	PB170215
100-02-7	4-Nitrophenol	640	U	1	210	640	ug/Kg	10/28/25 23:10	PB170215
132-64-9	Dibenzofuran	330	U	1	44.1	330	ug/Kg	10/28/25 23:10	PB170215
121-14-2	2,4-Dinitrotoluene	330	U	1	97.4	330	ug/Kg	10/28/25 23:10	PB170215
84-66-2	Diethylphthalate	330	U	1	55.0	330	ug/Kg	10/28/25 23:10	PB170215
7005-72-3	4-Chlorophenyl-phenylether	330	U	1	51.9	330	ug/Kg	10/28/25 23:10	PB170215
86-73-7	Fluorene	330	U	1	49.2	330	ug/Kg	10/28/25 23:10	PB170215
100-01-6	4-Nitroaniline	330	U	1	120	330	ug/Kg	10/28/25 23:10	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	640	U	1	200	640	ug/Kg	10/28/25 23:10	PB170215

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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:	PR132-S07-102116-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.4
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	330	U	1	64.0	330	ug/Kg	10/28/25 23:10	PB170215
101-55-3	4-Bromophenyl-phenylether	330	U	1	54.0	330	ug/Kg	10/28/25 23:10	PB170215
118-74-1	Hexachlorobenzene	330	U	1	49.2	330	ug/Kg	10/28/25 23:10	PB170215
1912-24-9	Atrazine	330	U	1	66.1	330	ug/Kg	10/28/25 23:10	PB170215
87-86-5	Pentachlorophenol	640	U	1	99.7	640	ug/Kg	10/28/25 23:10	PB170215
85-01-8	Phenanthrene	330	U	1	40.6	330	ug/Kg	10/28/25 23:10	PB170215
120-12-7	Anthracene	330	U	1	64.7	330	ug/Kg	10/28/25 23:10	PB170215
86-74-8	Carbazole	330	U	1	60.7	330	ug/Kg	10/28/25 23:10	PB170215
84-74-2	Di-n-butylphthalate	330	U	1	93.1	330	ug/Kg	10/28/25 23:10	PB170215
206-44-0	Fluoranthene	330	U	1	58.3	330	ug/Kg	10/28/25 23:10	PB170215
129-00-0	Pyrene	330	U	1	70.0	330	ug/Kg	10/28/25 23:10	PB170215
85-68-7	Butylbenzylphthalate	330	U	1	140	330	ug/Kg	10/28/25 23:10	PB170215
91-94-1	3,3-Dichlorobenzidine	640	U	1	71.4	640	ug/Kg	10/28/25 23:10	PB170215
56-55-3	Benzo(a)anthracene	330	U	1	44.7	330	ug/Kg	10/28/25 23:10	PB170215
218-01-9	Chrysene	330	U	1	38.7	330	ug/Kg	10/28/25 23:10	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	330	U	1	120	330	ug/Kg	10/28/25 23:10	PB170215
117-84-0	Di-n-octyl phthalate	640	U	1	170	640	ug/Kg	10/28/25 23:10	PB170215
205-99-2	Benzo(b)fluoranthene	330	U	1	36.9	330	ug/Kg	10/28/25 23:10	PB170215
207-08-9	Benzo(k)fluoranthene	330	U	1	43.6	330	ug/Kg	10/28/25 23:10	PB170215
50-32-8	Benzo(a)pyrene	330	U	1	57.4	330	ug/Kg	10/28/25 23:10	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	330	U	1	56.6	330	ug/Kg	10/28/25 23:10	PB170215
53-70-3	Dibenzo(a,h)anthracene	330	U	1	53.3	330	ug/Kg	10/28/25 23:10	PB170215
191-24-2	Benzo(g,h,i)perylene	330	U	1	50.0	330	ug/Kg	10/28/25 23:10	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	330	U	1	49.8	330	ug/Kg	10/28/25 23:10	PB170215
123-91-1	1,4-Dioxane	330	U	1	87.9	330	ug/Kg	10/28/25 23:10	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	330	U	1	53.3	330	ug/Kg	10/28/25 23:10	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	123			18 - 112	82%	SPK: 150		
13127-88-3	Phenol-d6	129			15 - 107	86%	SPK: 150		
4165-60-0	Nitrobenzene-d5	83.9			18 - 107	84%	SPK: 100		
321-60-8	2-Fluorobiphenyl	73.7			20 - 109	74%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	127			10 - 116	85%	SPK: 150		
1718-51-0	Terphenyl-d14	74.0			10 - 105	74%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	66500							
1146-65-2	Naphthalene-d8	257000							
15067-26-2	Acenaphthene-d10	143000							
1517-22-2	Phenanthrene-d10	227000							
1719-03-5	Chrysene-d12	151000							
1520-96-3	Perylene-d12	187000							
TENTATIVE IDENTIFIED COMPOUNDS									
074645-98-0	Dodecane, 2,7,10-trimethyl-	130	J			9.18	ug/Kg		
000119-61-9	Benzophenone	830	J			10.6	ug/Kg		

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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:	PR132-S07-102116-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.4
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
001921-70-6	Pentadecane, 2,6,10,14-tetramethyl	270	J			10.8	ug/Kg		
000629-50-5	Tridecane	170	J			11.3	ug/Kg		
000057-10-3	n-Hexadecanoic acid	440	J			11.9	ug/Kg		
000630-01-3	Hexacosane	210	J			15.2	ug/Kg		
000630-02-4	Octacosane	650	J			16.0	ug/Kg		
000629-99-2	Pentacosane	920	J			16.5	ug/Kg		
001560-92-5	Hexadecane, 2-methyl-	1200	J			17.1	ug/Kg		
001560-98-1	Octacosane, 2-methyl-	1100	J			17.8	ug/Kg		
1000406-32-4	Dotriacontane, 1-iodo-	1300	J			18.7	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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

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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:	PR132-COMP03-2025-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-06	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	69.8
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	470	U	1	220	470	ug/Kg	10/28/25 22:11	PB170215
108-95-2	Phenol	240	U	1	31.6	240	ug/Kg	10/28/25 22:11	PB170215
111-44-4	bis(2-Chloroethyl)ether	240	U	1	34.8	240	ug/Kg	10/28/25 22:11	PB170215
95-57-8	2-Chlorophenol	240	U	1	34.9	240	ug/Kg	10/28/25 22:11	PB170215
95-48-7	2-Methylphenol	240	U	1	42.8	240	ug/Kg	10/28/25 22:11	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	240	U	1	53.6	240	ug/Kg	10/28/25 22:11	PB170215
98-86-2	Acetophenone	240	U	1	42.2	240	ug/Kg	10/28/25 22:11	PB170215
65794-96-9	3+4-Methylphenols	470	U	1	58.8	470	ug/Kg	10/28/25 22:11	PB170215
621-64-7	n-Nitroso-di-n-propylamine	110	U	1	67.8	110	ug/Kg	10/28/25 22:11	PB170215
67-72-1	Hexachloroethane	240	U	1	25.2	240	ug/Kg	10/28/25 22:11	PB170215
98-95-3	Nitrobenzene	240	U	1	26.2	240	ug/Kg	10/28/25 22:11	PB170215
78-59-1	Isophorone	240	U	1	46.9	240	ug/Kg	10/28/25 22:11	PB170215
88-75-5	2-Nitrophenol	240	U	1	83.2	240	ug/Kg	10/28/25 22:11	PB170215
105-67-9	2,4-Dimethylphenol	240	U	1	92.7	240	ug/Kg	10/28/25 22:11	PB170215
111-91-1	bis(2-Chloroethoxy)methane	240	U	1	44.1	240	ug/Kg	10/28/25 22:11	PB170215
120-83-2	2,4-Dichlorophenol	240	U	1	40.5	240	ug/Kg	10/28/25 22:11	PB170215
91-20-3	Naphthalene	240	U	1	32.5	240	ug/Kg	10/28/25 22:11	PB170215
106-47-8	4-Chloroaniline	240	U	1	50.6	240	ug/Kg	10/28/25 22:11	PB170215
87-68-3	Hexachlorobutadiene	240	U	1	36.2	240	ug/Kg	10/28/25 22:11	PB170215
105-60-2	Caprolactam	470	U	1	74.5	470	ug/Kg	10/28/25 22:11	PB170215
59-50-7	4-Chloro-3-methylphenol	240	U	1	41.0	240	ug/Kg	10/28/25 22:11	PB170215
91-57-6	2-Methylnaphthalene	240	U	1	36.6	240	ug/Kg	10/28/25 22:11	PB170215
77-47-4	Hexachlorocyclopentadiene	470	U	1	170	470	ug/Kg	10/28/25 22:11	PB170215
88-06-2	2,4,6-Trichlorophenol	240	U	1	28.3	240	ug/Kg	10/28/25 22:11	PB170215
95-95-4	2,4,5-Trichlorophenol	240	U	1	41.6	240	ug/Kg	10/28/25 22:11	PB170215
92-52-4	1,1-Biphenyl	240	U	1	31.2	240	ug/Kg	10/28/25 22:11	PB170215
91-58-7	2-Chloronaphthalene	240	U	1	32.2	240	ug/Kg	10/28/25 22:11	PB170215
88-74-4	2-Nitroaniline	240	U	1	68.8	240	ug/Kg	10/28/25 22:11	PB170215
131-11-3	Dimethylphthalate	240	U	1	38.8	240	ug/Kg	10/28/25 22:11	PB170215
208-96-8	Acenaphthylene	240	U	1	41.3	240	ug/Kg	10/28/25 22:11	PB170215
606-20-2	2,6-Dinitrotoluene	240	U	1	48.1	240	ug/Kg	10/28/25 22:11	PB170215
99-09-2	3-Nitroaniline	240	U	1	65.8	240	ug/Kg	10/28/25 22:11	PB170215
83-32-9	Acenaphthene	240	U	1	30.5	240	ug/Kg	10/28/25 22:11	PB170215
51-28-5	2,4-Dinitrophenol	470	U	1	330	470	ug/Kg	10/28/25 22:11	PB170215
100-02-7	4-Nitrophenol	470	U	1	150	470	ug/Kg	10/28/25 22:11	PB170215
132-64-9	Dibenzofuran	240	U	1	32.5	240	ug/Kg	10/28/25 22:11	PB170215
121-14-2	2,4-Dinitrotoluene	240	U	1	71.7	240	ug/Kg	10/28/25 22:11	PB170215
84-66-2	Diethylphthalate	240	U	1	40.5	240	ug/Kg	10/28/25 22:11	PB170215
7005-72-3	4-Chlorophenyl-phenylether	240	U	1	38.2	240	ug/Kg	10/28/25 22:11	PB170215
86-73-7	Fluorene	240	U	1	36.2	240	ug/Kg	10/28/25 22:11	PB170215
100-01-6	4-Nitroaniline	240	U	1	91.8	240	ug/Kg	10/28/25 22:11	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	470	U	1	150	470	ug/Kg	10/28/25 22:11	PB170215

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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:	PR132-COMP03-2025-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-06	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	69.8
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	240	U	1	47.1	240	ug/Kg	10/28/25 22:11	PB170215
101-55-3	4-Bromophenyl-phenylether	240	U	1	39.8	240	ug/Kg	10/28/25 22:11	PB170215
118-74-1	Hexachlorobenzene	240	U	1	36.2	240	ug/Kg	10/28/25 22:11	PB170215
1912-24-9	Atrazine	240	U	1	48.6	240	ug/Kg	10/28/25 22:11	PB170215
87-86-5	Pentachlorophenol	470	U	1	73.4	470	ug/Kg	10/28/25 22:11	PB170215
85-01-8	Phenanthrene	240	U	1	29.9	240	ug/Kg	10/28/25 22:11	PB170215
120-12-7	Anthracene	240	U	1	47.6	240	ug/Kg	10/28/25 22:11	PB170215
86-74-8	Carbazole	240	U	1	44.6	240	ug/Kg	10/28/25 22:11	PB170215
84-74-2	Di-n-butylphthalate	240	U	1	68.5	240	ug/Kg	10/28/25 22:11	PB170215
206-44-0	Fluoranthene	240	U	1	42.9	240	ug/Kg	10/28/25 22:11	PB170215
129-00-0	Pyrene	240	U	1	51.5	240	ug/Kg	10/28/25 22:11	PB170215
85-68-7	Butylbenzylphthalate	240	U	1	100	240	ug/Kg	10/28/25 22:11	PB170215
91-94-1	3,3-Dichlorobenzidine	470	U	1	52.5	470	ug/Kg	10/28/25 22:11	PB170215
56-55-3	Benzo(a)anthracene	240	U	1	32.9	240	ug/Kg	10/28/25 22:11	PB170215
218-01-9	Chrysene	240	U	1	28.5	240	ug/Kg	10/28/25 22:11	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	240	U	1	84.7	240	ug/Kg	10/28/25 22:11	PB170215
117-84-0	Di-n-octyl phthalate	470	U	1	120	470	ug/Kg	10/28/25 22:11	PB170215
205-99-2	Benzo(b)fluoranthene	240	U	1	27.2	240	ug/Kg	10/28/25 22:11	PB170215
207-08-9	Benzo(k)fluoranthene	240	U	1	32.0	240	ug/Kg	10/28/25 22:11	PB170215
50-32-8	Benzo(a)pyrene	240	U	1	42.2	240	ug/Kg	10/28/25 22:11	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	240	U	1	41.6	240	ug/Kg	10/28/25 22:11	PB170215
53-70-3	Dibenzo(a,h)anthracene	240	U	1	39.2	240	ug/Kg	10/28/25 22:11	PB170215
191-24-2	Benzo(g,h,i)perylene	240	U	1	36.8	240	ug/Kg	10/28/25 22:11	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	240	U	1	36.6	240	ug/Kg	10/28/25 22:11	PB170215
123-91-1	1,4-Dioxane	240	U	1	64.6	240	ug/Kg	10/28/25 22:11	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	240	U	1	39.2	240	ug/Kg	10/28/25 22:11	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	63.5			18 - 112	42%	SPK: 150		
13127-88-3	Phenol-d6	68.4			15 - 107	46%	SPK: 150		
4165-60-0	Nitrobenzene-d5	40.4			18 - 107	40%	SPK: 100		
321-60-8	2-Fluorobiphenyl	36.5			20 - 109	37%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	65.8			10 - 116	44%	SPK: 150		
1718-51-0	Terphenyl-d14	48.8			10 - 105	49%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	67000							
1146-65-2	Naphthalene-d8	263000							
15067-26-2	Acenaphthene-d10	152000							
1517-22-2	Phenanthrene-d10	259000							
1719-03-5	Chrysene-d12	133000							
1520-96-3	Perylene-d12	181000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	170	J			10.6	ug/Kg		

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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:	PR132-COMP03-2025-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-06	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	69.8
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

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

QC SUMMARY

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

SW-846

SDG No.: Q3395

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170215BL	PB170215BL	2-Fluorophenol	150	139	92		18	112
		Phenol-d6	150	139	92		15	107
		Nitrobenzene-d5	100	110	110	*	18	107
		2-Fluorobiphenyl	100	96.8	97		20	109
		2,4,6-Tribromophenol	150	161	108		10	116
		Terphenyl-d14	100	90.8	91		10	105
PB170215BS	PB170215BS	2-Fluorophenol	150	125	83		18	112
		Phenol-d6	150	125	83		15	107
		Nitrobenzene-d5	100	95.4	95		18	107
		2-Fluorobiphenyl	100	79.6	80		20	109
		2,4,6-Tribromophenol	150	144	96		10	116
		Terphenyl-d14	100	83.3	83		10	105
Q3395-01	PR132-S09-000051-20251017	2-Fluorophenol	150	77.9	52		18	112
		Phenol-d6	150	84.0	56		15	107
		Nitrobenzene-d5	100	51.0	51		18	107
		2-Fluorobiphenyl	100	45.5	45		20	109
		2,4,6-Tribromophenol	150	86.6	58		10	116
		Terphenyl-d14	100	56.4	56		10	105
Q3395-02	PR132-S07-000102-22510170	2-Fluorophenol	150	91.4	61		18	112
		Phenol-d6	150	94.0	63		15	107
		Nitrobenzene-d5	100	61.4	61		18	107
		2-Fluorobiphenyl	100	55.7	56		20	109
		2,4,6-Tribromophenol	150	82.7	55		10	116
		Terphenyl-d14	100	45.0	45		10	105
Q3395-03MS	PR132-S07-000102-22510170MS	2-Fluorophenol	150	29.3	20		18	112
		Phenol-d6	150	42.6	28		15	107
		Nitrobenzene-d5	100	41.6	42		18	107
		2-Fluorobiphenyl	100	40.6	41		20	109
		2,4,6-Tribromophenol	150	82.9	55		10	116
		Terphenyl-d14	100	51.9	52		10	105
Q3395-04MSD	PR132-S07-000102-22510170MSD	2-Fluorophenol	150	27.7	18		18	112
		Phenol-d6	150	40.8	27		15	107
		Nitrobenzene-d5	100	41.7	42		18	107
		2-Fluorobiphenyl	100	41.1	41		20	109
		2,4,6-Tribromophenol	150	78.6	52		10	116
		Terphenyl-d14	100	48.6	49		10	105
Q3395-05	PR132-S07-102116-20251017	2-Fluorophenol	150	123	82		18	112
		Phenol-d6	150	129	86		15	107
		Nitrobenzene-d5	100	83.9	84		18	107
		2-Fluorobiphenyl	100	73.7	74		20	109
		2,4,6-Tribromophenol	150	127	85		10	116
		Terphenyl-d14	100	74.0	74		10	105
Q3395-06	PR132-COMP03-2025-20251017	2-Fluorophenol	150	63.5	42		18	112
		Phenol-d6	150	68.4	46		15	107
		Nitrobenzene-d5	100	40.4	40		18	107
		2-Fluorobiphenyl	100	36.5	37		20	109
		2,4,6-Tribromophenol	150	65.8	44		10	116
		Terphenyl-d14	100	48.8	49		10	105
Q3419-02MS	PR-132-S16-015094-20251021MS	2-Fluorophenol	150	95.5	64		18	112
		Phenol-d6	150	99.7	66		15	107
		Nitrobenzene-d5	100	76.9	77		18	107

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Surrogate Summary

SW-846

SDG No.: Q3395

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3419-02MS	PR-132-S16-015094-20251021MS	2-Fluorobiphenyl	100	60.3	60		20	109
		2,4,6-Tribromophenol	150	123	82		10	116
		Terphenyl-d14	100	60.4	60		10	105
Q3419-03MSD	PR-132-S16-015094-20251021MSD	2-Fluorophenol	150	92.9	62		18	112
		Phenol-d6	150	92.6	62		15	107
		Nitrobenzene-d5	100	74.9	75		18	107
		2-Fluorobiphenyl	100	58.4	58		20	109
		2,4,6-Tribromophenol	150	118	79		10	116
		Terphenyl-d14	100	57.1	57		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144087.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3395-03MS		**Client Sample ID: PR132-S07-000102-22510170MS**									
Benzaldehyde	3500	0	1200	ug/Kg	34				10	171	
Phenol	3500	0	1800	ug/Kg	51				51	122	
bis(2-Chloroethyl)ether	3500	0	2500	ug/Kg	71				54	125	
2-Chlorophenol	3500	0	2400	ug/Kg	69				51	121	
2-Methylphenol	3500	0	2600	ug/Kg	74				47	125	
2,2-oxybis(1-Chloropropane)	3500	0	2800	ug/Kg	80				46	119	
Acetophenone	3500	0	2900	ug/Kg	83				55	128	
3+4-Methylphenols	3500	0	2700	ug/Kg	77				49	125	
N-Nitroso-di-n-propylamine	3500	0	3000	ug/Kg	86				59	119	
Hexachloroethane	3500	0	2700	ug/Kg	77				51	116	
Nitrobenzene	3500	0	2500	ug/Kg	71				47	124	
Isophorone	3500	0	2900	ug/Kg	83				49	127	
2-Nitrophenol	3500	0	2800	ug/Kg	80				43	131	
2,4-Dimethylphenol	3500	0	3100	ug/Kg	89				63	151	
bis(2-Chloroethoxy)methane	3500	0	2800	ug/Kg	80				51	119	
2,4-Dichlorophenol	3500	0	2800	ug/Kg	80				50	122	
Naphthalene	3500	0	2700	ug/Kg	77				51	121	
4-Chloroaniline	3500	0	3200	ug/Kg	91				10	100	
Hexachlorobutadiene	3500	0	2600	ug/Kg	74				44	126	
Caprolactam	3500	0	3700	ug/Kg	106				51	134	
4-Chloro-3-methylphenol	3500	0	3200	ug/Kg	91				57	132	
2-Methylnaphthalene	3500	0	2700	ug/Kg	77				59	123	
Hexachlorocyclopentadiene	6900	0	6000	ug/Kg	87				10	175	
2,4,6-Trichlorophenol	3500	0	3000	ug/Kg	86				33	141	
2,4,5-Trichlorophenol	3500	0	3000	ug/Kg	86				38	135	
1,1-Biphenyl	3500	0	3100	ug/Kg	89				55	131	
2-Chloronaphthalene	3500	0	2800	ug/Kg	80				48	124	
2-Nitroaniline	3500	0	3300	ug/Kg	94				47	134	
Dimethylphthalate	3500	0	3200	ug/Kg	91				54	120	
Acenaphthylene	3500	0	3200	ug/Kg	91				57	125	
2,6-Dinitrotoluene	3500	0	3400	ug/Kg	97				48	127	
3-Nitroaniline	3500	0	3500	ug/Kg	100				10	112	
Acenaphthene	3500	0	3100	ug/Kg	89				70	121	
2,4-Dinitrophenol	6900	0	4900	ug/Kg	71				10	155	
4-Nitrophenol	6900	0	6600	ug/Kg	96				10	175	
Dibenzofuran	3500	0	3000	ug/Kg	86				52	114	
2,4-Dinitrotoluene	3500	0	3700	ug/Kg	106				41	140	
Diethylphthalate	3500	0	3400	ug/Kg	97				51	119	
4-Chlorophenyl-phenylether	3500	0	3100	ug/Kg	89				48	122	
Fluorene	3500	0	3200	ug/Kg	91				53	118	
4-Nitroaniline	3500	0	3500	ug/Kg	100				29	140	
4,6-Dinitro-2-methylphenol	3500	0	2700	ug/Kg	77				10	160	
N-Nitrosodiphenylamine	3500	0	3200	ug/Kg	91				73	118	
4-Bromophenyl-phenylether	3500	0	3100	ug/Kg	89				65	121	
Hexachlorobenzene	3500	0	3200	ug/Kg	91				67	118	
Atrazine	3500	0	3500	ug/Kg	100				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144087.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	6900	0	6700	ug/Kg	97				13	153	
Phenanthrene	3500	190	3300	ug/Kg	89				52	128	
Anthracene	3500	0	3200	ug/Kg	91				62	124	
Carbazole	3500	0	3200	ug/Kg	91				59	119	
Di-n-butylphthalate	3500	0	3300	ug/Kg	94				55	125	
Fluoranthene	3500	180	3100	ug/Kg	83				44	125	
Pyrene	3500	0	3600	ug/Kg	103				37	122	
Butylbenzylphthalate	3500	0	3600	ug/Kg	103				44	135	
3,3-Dichlorobenzidine	3500	0	3600	ug/Kg	103				15	112	
Benzo(a)anthracene	3500	0	3500	ug/Kg	100				53	119	
Chrysene	3500	0	3400	ug/Kg	97				57	121	
bis(2-Ethylhexyl)phthalate	3500	0	3400	ug/Kg	97				42	169	
Di-n-octyl phthalate	3500	0	3400	ug/Kg	97				51	156	
Benzo(b)fluoranthene	3500	0	3300	ug/Kg	94				52	117	
Benzo(k)fluoranthene	3500	0	3700	ug/Kg	106				57	134	
Benzo(a)pyrene	3500	0	3700	ug/Kg	106				70	142	
Indeno(1,2,3-cd)pyrene	3500	0	2700	ug/Kg	77				40	129	
Dibenz(a,h)anthracene	3500	0	2800	ug/Kg	80				43	123	
Benzo(g,h,i)perylene	3500	0	2600	ug/Kg	74				24	125	
1,2,4,5-Tetrachlorobenzene	3500	0	2900	ug/Kg	83				52	134	
1,4-Dioxane	3500	0	0	ug/Kg	0	*			46	112	
2,3,4,6-Tetrachlorophenol	3500	0	3700	ug/Kg	106				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144088.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3395-04MSD		**Client Sample ID: PR132-S07-000102-22510170MSD**									
Benzaldehyde	3500	0	1200	ug/Kg	34		0		10	171	20
Phenol	3500	0	1700	ug/Kg	49	*	4		51	122	20
bis(2-Chloroethyl)ether	3500	0	2400	ug/Kg	69		3		54	125	20
2-Chlorophenol	3500	0	2300	ug/Kg	66		4		51	121	20
2-Methylphenol	3500	0	2400	ug/Kg	69		7		47	125	20
2,2-oxybis(1-Chloropropane)	3500	0	2700	ug/Kg	77		4		46	119	20
Acetophenone	3500	0	2900	ug/Kg	83		0		55	128	20
3+4-Methylphenols	3500	0	2500	ug/Kg	71		8		49	125	20
N-Nitroso-di-n-propylamine	3500	0	2700	ug/Kg	77		11		59	119	20
Hexachloroethane	3500	0	2500	ug/Kg	71		8		51	116	20
Nitrobenzene	3500	0	2600	ug/Kg	74		4		47	124	20
Isophorone	3500	0	2800	ug/Kg	80		4		49	127	20
2-Nitrophenol	3500	0	2700	ug/Kg	77		4		43	131	20
2,4-Dimethylphenol	3500	0	3100	ug/Kg	89		0		63	151	20
bis(2-Chloroethoxy)methane	3500	0	2900	ug/Kg	83		4		51	119	20
2,4-Dichlorophenol	3500	0	2800	ug/Kg	80		0		50	122	20
Naphthalene	3500	0	2800	ug/Kg	80		4		51	121	20
4-Chloroaniline	3500	0	3300	ug/Kg	94		3		10	100	20
Hexachlorobutadiene	3500	0	2600	ug/Kg	74		0		44	126	20
Caprolactam	3500	0	3900	ug/Kg	111		5		51	134	20
4-Chloro-3-methylphenol	3500	0	3200	ug/Kg	91		0		57	132	20
2-Methylnaphthalene	3500	0	2700	ug/Kg	77		0		59	123	20
Hexachlorocyclopentadiene	6900	0	5900	ug/Kg	86		1		10	175	20
2,4,6-Trichlorophenol	3500	0	2900	ug/Kg	83		4		33	141	20
2,4,5-Trichlorophenol	3500	0	2900	ug/Kg	83		4		38	135	20
1,1-Biphenyl	3500	0	3000	ug/Kg	86		3		55	131	20
2-Chloronaphthalene	3500	0	2800	ug/Kg	80		0		48	124	20
2-Nitroaniline	3500	0	3200	ug/Kg	91		3		47	134	20
Dimethylphthalate	3500	0	3300	ug/Kg	94		3		54	120	20
Acenaphthylene	3500	0	3300	ug/Kg	94		3		57	125	20
2,6-Dinitrotoluene	3500	0	3400	ug/Kg	97		0		48	127	20
3-Nitroaniline	3500	0	3500	ug/Kg	100		0		10	112	20
Acenaphthene	3500	0	3000	ug/Kg	86		3		70	121	20
2,4-Dinitrophenol	6900	0	4500	ug/Kg	65		9		10	155	20
4-Nitrophenol	6900	0	6300	ug/Kg	91		5		10	175	20
Dibenzofuran	3500	0	3100	ug/Kg	89		3		52	114	20
2,4-Dinitrotoluene	3500	0	3600	ug/Kg	103		3		41	140	20
Diethylphthalate	3500	0	3300	ug/Kg	94		3		51	119	20
4-Chlorophenyl-phenylether	3500	0	3000	ug/Kg	86		3		48	122	20
Fluorene	3500	0	3200	ug/Kg	91		0		53	118	20
4-Nitroaniline	3500	0	3400	ug/Kg	97		3		29	140	20
4,6-Dinitro-2-methylphenol	3500	0	2700	ug/Kg	77		0		10	160	20
N-Nitrosodiphenylamine	3500	0	3300	ug/Kg	94		3		73	118	20
4-Bromophenyl-phenylether	3500	0	3000	ug/Kg	86		3		65	121	20
Hexachlorobenzene	3500	0	3100	ug/Kg	89		2		67	118	20
Atrazine	3500	0	3500	ug/Kg	100		0		45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144088.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	6900	0	6400	ug/Kg	93		4		13	153	20
Phenanthrene	3500	190	3300	ug/Kg	89		0		52	128	20
Anthracene	3500	0	3200	ug/Kg	91		0		62	124	20
Carbazole	3500	0	3100	ug/Kg	89		2		59	119	20
Di-n-butylphthalate	3500	0	3200	ug/Kg	91		3		55	125	20
Fluoranthene	3500	180	2900	ug/Kg	78		6		44	125	20
Pyrene	3500	0	3400	ug/Kg	97		6		37	122	20
Butylbenzylphthalate	3500	0	3300	ug/Kg	94		9		44	135	20
3,3-Dichlorobenzidine	3500	0	3700	ug/Kg	106		3		15	112	20
Benzo(a)anthracene	3500	0	3400	ug/Kg	97		3		53	119	20
Chrysene	3500	0	3300	ug/Kg	94		3		57	121	20
bis(2-Ethylhexyl)phthalate	3500	0	3200	ug/Kg	91		6		42	169	20
Di-n-octyl phthalate	3500	0	3500	ug/Kg	100		3		51	156	20
Benzo(b)fluoranthene	3500	0	3300	ug/Kg	94		0		52	117	20
Benzo(k)fluoranthene	3500	0	3600	ug/Kg	103		3		57	134	20
Benzo(a)pyrene	3500	0	3600	ug/Kg	103		3		70	142	20
Indeno(1,2,3-cd)pyrene	3500	0	2700	ug/Kg	77		0		40	129	20
Dibenz(a,h)anthracene	3500	0	2700	ug/Kg	77		4		43	123	20
Benzo(g,h,i)perylene	3500	0	2400	ug/Kg	69		7		24	125	20
1,2,4,5-Tetrachlorobenzene	3500	0	2900	ug/Kg	83		0		52	134	20
1,4-Dioxane	3500	0	0	ug/Kg	0	*	0		46	112	20
2,3,4,6-Tetrachlorophenol	3500	0	3500	ug/Kg	100		6		24	146	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064627.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3419-02MS		**Client Sample ID: PR-132-S16-015094-20251021MS**									
Benzaldehyde	3100	0	2100	ug/Kg	68				10	171	
Phenol	3100	0	3000	ug/Kg	97				51	122	
bis(2-Chloroethyl)ether	3100	0	2000	ug/Kg	65				54	125	
2-Chlorophenol	3100	0	3200	ug/Kg	103				51	121	
2-Methylphenol	3100	0	3000	ug/Kg	97				47	125	
2,2-oxybis(1-Chloropropane)	3100	0	2800	ug/Kg	90				46	119	
Acetophenone	3100	0	3300	ug/Kg	106				55	128	
3+4-Methylphenols	3100	0	3000	ug/Kg	97				49	125	
N-Nitroso-di-n-propylamine	3100	0	3000	ug/Kg	97				59	119	
Hexachloroethane	3100	0	3200	ug/Kg	103				51	116	
Nitrobenzene	3100	0	3400	ug/Kg	110				47	124	
Isophorone	3100	0	3000	ug/Kg	97				49	127	
2-Nitrophenol	3100	0	3800	ug/Kg	123				43	131	
2,4-Dimethylphenol	3100	0	3500	ug/Kg	113				63	151	
bis(2-Chloroethoxy)methane	3100	0	2900	ug/Kg	94				51	119	
2,4-Dichlorophenol	3100	0	3500	ug/Kg	113				50	122	
Naphthalene	3100	0	3000	ug/Kg	97				51	121	
4-Chloroaniline	3100	0	1300	ug/Kg	42				10	100	
Hexachlorobutadiene	3100	0	3200	ug/Kg	103				44	126	
Caprolactam	3100	0	3100	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	3100	0	3200	ug/Kg	103				57	132	
2-Methylnaphthalene	3100	0	2800	ug/Kg	90				59	123	
Hexachlorocyclopentadiene	6100	0	9500	ug/Kg	156				10	175	
2,4,6-Trichlorophenol	3100	0	3600	ug/Kg	116				33	141	
2,4,5-Trichlorophenol	3100	0	3400	ug/Kg	110				38	135	
1,1-Biphenyl	3100	0	3400	ug/Kg	110				55	131	
2-Chloronaphthalene	3100	0	3100	ug/Kg	100				48	124	
2-Nitroaniline	3100	0	3400	ug/Kg	110				47	134	
Dimethylphthalate	3100	0	3100	ug/Kg	100				54	120	
Acenaphthylene	3100	0	3500	ug/Kg	113				57	125	
2,6-Dinitrotoluene	3100	0	3700	ug/Kg	119				48	127	
3-Nitroaniline	3100	0	2500	ug/Kg	81				10	112	
Acenaphthene	3100	0	3500	ug/Kg	113				70	121	
2,4-Dinitrophenol	6100	0	8100	ug/Kg	133				10	155	
4-Nitrophenol	6100	0	7500	ug/Kg	123				10	175	
Dibenzofuran	3100	0	3100	ug/Kg	100				52	114	
2,4-Dinitrotoluene	3100	0	3600	ug/Kg	116				41	140	
Diethylphthalate	3100	0	3100	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	3100	0	3100	ug/Kg	100				48	122	
Fluorene	3100	0	3100	ug/Kg	100				53	118	
4-Nitroaniline	3100	0	3600	ug/Kg	116				29	140	
4,6-Dinitro-2-methylphenol	3100	0	4000	ug/Kg	129				10	160	
N-Nitrosodiphenylamine	3100	0	3100	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	3100	0	3200	ug/Kg	103				65	121	
Hexachlorobenzene	3100	0	3200	ug/Kg	103				67	118	
Atrazine	3100	0	3400	ug/Kg	110				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064627.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	6100	0	7000	ug/Kg	115				13	153	
Phenanthrene	3100	0	3100	ug/Kg	100				52	128	
Anthracene	3100	0	3100	ug/Kg	100				62	124	
Carbazole	3100	0	3100	ug/Kg	100				59	119	
Di-n-butylphthalate	3100	0	3200	ug/Kg	103				55	125	
Fluoranthene	3100	0	3100	ug/Kg	100				44	125	
Pyrene	3100	0	2900	ug/Kg	94				37	122	
Butylbenzylphthalate	3100	0	3500	ug/Kg	113				44	135	
3,3-Dichlorobenzidine	3100	0	1700	ug/Kg	55				15	112	
Benzo(a)anthracene	3100	0	3100	ug/Kg	100				53	119	
Chrysene	3100	0	3100	ug/Kg	100				57	121	
bis(2-Ethylhexyl)phthalate	3100	0	3400	ug/Kg	110				42	169	
Di-n-octyl phthalate	3100	0	3500	ug/Kg	113				51	156	
Benzo(b)fluoranthene	3100	0	3100	ug/Kg	100				52	117	
Benzo(k)fluoranthene	3100	0	3200	ug/Kg	103				57	134	
Benzo(a)pyrene	3100	0	3200	ug/Kg	103				70	142	
Indeno(1,2,3-cd)pyrene	3100	0	3100	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	3100	0	3200	ug/Kg	103				43	123	
Benzo(g,h,i)perylene	3100	0	3100	ug/Kg	100				24	125	
1,2,4,5-Tetrachlorobenzene	3100	0	3500	ug/Kg	113				52	134	
1,4-Dioxane	3100	0	2500	ug/Kg	81				46	112	
2,3,4,6-Tetrachlorophenol	3100	0	3800	ug/Kg	123				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064628.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3419-03MSD		**Client Sample ID: PR-132-S16-015094-20251021MSD**									
Benzaldehyde	3100	0	2100	ug/Kg	68		0		10	171	20
Phenol	3100	0	2900	ug/Kg	94		3		51	122	20
bis(2-Chloroethyl)ether	3100	0	1900	ug/Kg	61		6		54	125	20
2-Chlorophenol	3100	0	3000	ug/Kg	97		6		51	121	20
2-Methylphenol	3100	0	2900	ug/Kg	94		3		47	125	20
2,2-oxybis(1-Chloropropane)	3100	0	2700	ug/Kg	87		3		46	119	20
Acetophenone	3100	0	3100	ug/Kg	100		6		55	128	20
3+4-Methylphenols	3100	0	2900	ug/Kg	94		3		49	125	20
N-Nitroso-di-n-propylamine	3100	0	2700	ug/Kg	87		11		59	119	20
Hexachloroethane	3100	0	3000	ug/Kg	97		6		51	116	20
Nitrobenzene	3100	0	3300	ug/Kg	106		4		47	124	20
Isophorone	3100	0	2800	ug/Kg	90		7		49	127	20
2-Nitrophenol	3100	0	3800	ug/Kg	123		0		43	131	20
2,4-Dimethylphenol	3100	0	3300	ug/Kg	106		6		63	151	20
bis(2-Chloroethoxy)methane	3100	0	2800	ug/Kg	90		4		51	119	20
2,4-Dichlorophenol	3100	0	3300	ug/Kg	106		6		50	122	20
Naphthalene	3100	0	2900	ug/Kg	94		3		51	121	20
4-Chloroaniline	3100	0	1200	ug/Kg	39		7		10	100	20
Hexachlorobutadiene	3100	0	3100	ug/Kg	100		3		44	126	20
Caprolactam	3100	0	2800	ug/Kg	90		11		51	134	20
4-Chloro-3-methylphenol	3100	0	3100	ug/Kg	100		3		57	132	20
2-Methylnaphthalene	3100	0	2700	ug/Kg	87		3		59	123	20
Hexachlorocyclopentadiene	6100	0	8900	ug/Kg	146		7		10	175	20
2,4,6-Trichlorophenol	3100	0	3500	ug/Kg	113		3		33	141	20
2,4,5-Trichlorophenol	3100	0	3400	ug/Kg	110		0		38	135	20
1,1-Biphenyl	3100	0	3300	ug/Kg	106		4		55	131	20
2-Chloronaphthalene	3100	0	3000	ug/Kg	97		3		48	124	20
2-Nitroaniline	3100	0	3300	ug/Kg	106		4		47	134	20
Dimethylphthalate	3100	0	2900	ug/Kg	94		6		54	120	20
Acenaphthylene	3100	0	3300	ug/Kg	106		6		57	125	20
2,6-Dinitrotoluene	3100	0	3600	ug/Kg	116		3		48	127	20
3-Nitroaniline	3100	0	2400	ug/Kg	77		5		10	112	20
Acenaphthene	3100	0	3400	ug/Kg	110		3		70	121	20
2,4-Dinitrophenol	6100	0	7800	ug/Kg	128		4		10	155	20
4-Nitrophenol	6100	0	6900	ug/Kg	113		8		10	175	20
Dibenzofuran	3100	0	2900	ug/Kg	94		6		52	114	20
2,4-Dinitrotoluene	3100	0	3300	ug/Kg	106		9		41	140	20
Diethylphthalate	3100	0	2900	ug/Kg	94		6		51	119	20
4-Chlorophenyl-phenylether	3100	0	3000	ug/Kg	97		3		48	122	20
Fluorene	3100	0	3000	ug/Kg	97		3		53	118	20
4-Nitroaniline	3100	0	3500	ug/Kg	113		3		29	140	20
4,6-Dinitro-2-methylphenol	3100	0	3900	ug/Kg	126		2		10	160	20
N-Nitrosodiphenylamine	3100	0	3100	ug/Kg	100		0		73	118	20
4-Bromophenyl-phenylether	3100	0	3000	ug/Kg	97		6		65	121	20
Hexachlorobenzene	3100	0	3100	ug/Kg	100		3		67	118	20
Atrazine	3100	0	3300	ug/Kg	106		4		45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064628.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	6100	0	6800	ug/Kg	111		4		13	153	20
Phenanthrene	3100	0	3000	ug/Kg	97		3		52	128	20
Anthracene	3100	0	2900	ug/Kg	94		6		62	124	20
Carbazole	3100	0	3000	ug/Kg	97		3		59	119	20
Di-n-butylphthalate	3100	0	3100	ug/Kg	100		3		55	125	20
Fluoranthene	3100	0	3100	ug/Kg	100		0		44	125	20
Pyrene	3100	0	2700	ug/Kg	87		8		37	122	20
Butylbenzylphthalate	3100	0	3400	ug/Kg	110		3		44	135	20
3,3-Dichlorobenzidine	3100	0	1700	ug/Kg	55		0		15	112	20
Benzo(a)anthracene	3100	0	3000	ug/Kg	97		3		53	119	20
Chrysene	3100	0	2900	ug/Kg	94		6		57	121	20
bis(2-Ethylhexyl)phthalate	3100	0	3400	ug/Kg	110		0		42	169	20
Di-n-octyl phthalate	3100	0	3300	ug/Kg	106		6		51	156	20
Benzo(b)fluoranthene	3100	0	3000	ug/Kg	97		3		52	117	20
Benzo(k)fluoranthene	3100	0	3000	ug/Kg	97		6		57	134	20
Benzo(a)pyrene	3100	0	3100	ug/Kg	100		3		70	142	20
Indeno(1,2,3-cd)pyrene	3100	0	3000	ug/Kg	97		3		40	129	20
Dibenz(a,h)anthracene	3100	0	3000	ug/Kg	97		6		43	123	20
Benzo(g,h,i)perylene	3100	0	3000	ug/Kg	97		3		24	125	20
1,2,4,5-Tetrachlorobenzene	3100	0	3400	ug/Kg	110		3		52	134	20
1,4-Dioxane	3100	0	2300	ug/Kg	74		9		46	112	20
2,3,4,6-Tetrachlorophenol	3100	0	3600	ug/Kg	116		6		24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BG064622.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170215BS	Benzaldehyde	1700	1100	ug/Kg	65				10	133	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1100	ug/Kg	65				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				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	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1600	ug/Kg	94				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1700	ug/Kg	100				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				46	141	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				66	97	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	790	ug/Kg	46				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				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	4100	ug/Kg	124				45	165	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				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	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3600	ug/Kg	109				37	128	
	4-Nitrophenol	3300	3400	ug/Kg	103				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1700	ug/Kg	100				64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				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.: Q3395 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BG064622.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170215BS	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	3300	ug/Kg	100				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				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	1600	ug/Kg	94				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	1600	ug/Kg	94				54	135	
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				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	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170215BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3395

Lab File ID: BG064621.D | Lab Sample ID: PB170215BL

Instrument ID: BNA_G | Date Extracted: 10/23/2025

Matrix: (soil/water) SOIL | Date Analyzed: 10/29/2025

Level: (low/med) LOW | Time Analyzed: 13:25

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170215BS	PB170215BS	BG064622.D	10/29/2025
PR-132-S16-015094-20251021MS	Q3419-02MS	BG064627.D	10/29/2025
PR-132-S16-015094-20251021MSD	Q3419-03MSD	BG064628.D	10/29/2025
PR132-S07-000102-22510170	Q3395-02	BF144086.D	10/27/2025
PR132-S07-000102-22510170MS	Q3395-03MS	BF144087.D	10/27/2025
PR132-S07-000102-22510170MSD	Q3395-04MSD	BF144088.D	10/27/2025
PR132-S09-000051-20251017	Q3395-01	BF144104.D	10/28/2025
PR132-COMP03-2025-20251017	Q3395-06	BF144115.D	10/28/2025
PR132-S07-102116-20251017	Q3395-05	BF144117.D	10/28/2025

COMMENTS:

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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3395

Lab File ID: BF144055.D DFTPP Injection Date: 10/24/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:45

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	0.0 (0.0) 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	6.1
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	89.0
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (18.8) 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	BF144056.D	10/24/2025	10:13
SSTDICC005	SSTDICC005	BF144057.D	10/24/2025	10:42
SSTDICC010	SSTDICC010	BF144058.D	10/24/2025	11:39
SSTDICC020	SSTDICC020	BF144059.D	10/24/2025	12:36
SSTDICCC040	SSTDICCC040	BF144060.D	10/24/2025	13:05
SSTDICC050	SSTDICC050	BF144061.D	10/24/2025	13:34
SSTDICC080	SSTDICC080	BF144063.D	10/24/2025	14:32
SSTDICC060	SSTDICC060	BF144064.D	10/24/2025	16:24

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3395

Lab File ID: BF144073.D DFTPP Injection Date: 10/27/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.2
365	Greater than 1% of mass 198	4.9
441	Present, but less than mass 443	80.6
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	BF144074.D	10/27/2025	10:27
PR132-S07-000102-22510170	Q3395-02	BF144086.D	10/27/2025	16:33
PR132-S07-000102-22510170MS	Q3395-03MS	BF144087.D	10/27/2025	17:03
PR132-S07-000102-22510170MSD	Q3395-04MSD	BF144088.D	10/27/2025	17:33

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3395

Lab File ID: BF144096.D DFTPP Injection Date: 10/28/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:48

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.7) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.0 (0.0) 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	6.6
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	88.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.5 (18.5) 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
SSTDCCC040	SSTDCCC040	BF144097.D	10/28/2025	13:17
PR132-S09-000051-20251017	Q3395-01	BF144104.D	10/28/2025	16:44
PR132-COMP03-2025-20251017	Q3395-06	BF144115.D	10/28/2025	22:11
PR132-S07-102116-20251017	Q3395-05	BF144117.D	10/28/2025	23:10

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3395

Lab File ID: BG064568.D DFTPP Injection Date: 10/24/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.2) 1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.2
365	Greater than 1% of mass 198	5.1
441	Present, but less than mass 443	86.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.5 (18.9) 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	BG064569.D	10/24/2025	09:00
SSTDICC005	SSTDICC005	BG064570.D	10/24/2025	09:41
SSTDICC010	SSTDICC010	BG064571.D	10/24/2025	11:02
SSTDICC020	SSTDICC020	BG064572.D	10/24/2025	12:23
SSTDICCC040	SSTDICCC040	BG064573.D	10/24/2025	13:03
SSTDICC060	SSTDICC060	BG064574.D	10/24/2025	13:44
SSTDICC080	SSTDICC080	BG064575.D	10/24/2025	14:24
SSTDICC050	SSTDICC050	BG064576.D	10/24/2025	15:32

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3395

Lab File ID: BG064617.D DFTPP Injection Date: 10/29/2025

Instrument ID: BNA_G DFTPP Injection Time: 10:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 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	7.3
365	Greater than 1% of mass 198	5.3
441	Present, but less than mass 443	91.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.5 (18) 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	BG064618.D	10/29/2025	11:22
PB170215BL	PB170215BL	BG064621.D	10/29/2025	13:25
PB170215BS	PB170215BS	BG064622.D	10/29/2025	14:06
PR-132-S16-015094-20251021MS	Q3419-02MS	BG064627.D	10/29/2025	17:34
PR-132-S16-015094-20251021MSD	Q3419-03MSD	BG064628.D	10/29/2025	18:15

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3395

Client ID : SSTDCCC040 Date Analyzed: 10/27/2025

Lab File ID: BF144074.D Time Analyzed: 10:27

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	54596	6.881	204208	8.16	113226	9.92
	UPPER LIMIT	109192	7.381	408416	8.663	226452	10.422
	LOWER LIMIT	27298	6.381	102104	7.663	56613	9.422
	EPA SAMPLE NO.						
01	PR132-S07-000102-22510170	49197	6.88	182564	8.16	93912	9.92
02	PR132-S07-000102-22510170MS	51657	6.88	204190	8.16	116963	9.92
03	PR132-S07-000102-22510170MSD	51273	6.88	192222	8.16	110360	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.: Q3395

Client ID: SSTDCCC040 Date Analyzed: 10/27/2025

Lab File ID: BF144074.D Time Analyzed: 10:27

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	184414	11.41	112717	14.057	164562	15.545
	UPPER LIMIT	368828	11.91	225434	14.557	329124	16.045
	LOWER LIMIT	92207	10.91	56358.5	13.557	82281	15.045
	EPA SAMPLE NO.						
01	PR132-S07-000102-22510170	147369	11.41	132745	14.06	166960	15.54
02	PR132-S07-000102-22510170M:	209682	11.41	136983	14.06	173026	15.55
03	PR132-S07-000102-22510170M:	190166	11.41	124342	14.06	167596	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.: Q3395

Client ID : SSTDCCC040 Date Analyzed: 10/28/2025

Lab File ID: BF144097.D Time Analyzed: 13:17

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	66521	6.881	250146	8.16	147935	9.92
	UPPER LIMIT	133042	7.381	500292	8.663	295870	10.416
	LOWER LIMIT	33260.5	6.381	125073	7.663	73967.5	9.416
	EPA SAMPLE NO.						
01	PR132-S07-102116-20251017	66498	6.88	257258	8.16	142753	9.92
02	PR132-COMP03-2025-20251017	67031	6.88	262787	8.16	151809	9.92
03	PR132-S09-000051-20251017	63386	6.88	253842	8.16	151776	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.: Q3395

Client ID: SSTDCCC040 Date Analyzed: 10/28/2025

Lab File ID: BF144097.D Time Analyzed: 13:17

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	264042	11.41	128248	14.057	169914	15.539
	UPPER LIMIT	528084	11.91	256496	14.557	339828	16.039
	LOWER LIMIT	132021	10.91	64124	13.557	84957	15.039
	EPA SAMPLE NO.						
01	PR132-S07-102116-20251017	227169	11.41	150686	14.05	186576	15.54
02	PR132-COMP03-2025-20251017	259227	11.40	133345	14.05	181271	15.53
03	PR132-S09-000051-20251017	266957	11.40	148535	14.05	172792	15.53

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.: Q3395

Client ID : SSTDCCC040 Date Analyzed: 10/29/2025

Lab File ID: BG064618.D Time Analyzed: 11:22

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	36613	8.223	148961	11.04	108882	14.84
	UPPER LIMIT	73226	8.723	297922	11.543	217764	15.339
	LOWER LIMIT	18306.5	7.723	74480.5	10.543	54441	14.339
	EPA SAMPLE NO.						
01	PB170215BL	33974	8.22	131027	11.04	98338	14.84
02	PB170215BS	30857	8.22	126314	11.04	102616	14.84
03	PR-132-S16-015094-20251021MS	30488	8.22	121320	11.04	93614	14.84
04	PR-132-S16-015094-20251021MSD	31803	8.21	124534	11.04	94989	14.84

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.: Q3395

Client ID: SSTDCCC040 Date Analyzed: 10/29/2025

Lab File ID: BG064618.D Time Analyzed: 11:22

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	241683	17.577	261016	21.854	298207	25.197
	UPPER LIMIT	483366	18.077	522032	22.354	596414	25.697
	LOWER LIMIT	120842	17.077	130508	21.354	149104	24.697
	EPA SAMPLE NO.						
01	PB170215BL	248117	17.58	318243	21.85	369003	25.19
02	PB170215BS	252758	17.58	286271	21.85	311364	25.19
03	PR-132-S16-015094-20251021I	229619	17.58	271892	21.85	296767	25.19
04	PR-132-S16-015094-20251021I	230638	17.58	282250	21.85	308600	25.19

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

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:	PB170215BL	SDG No.:	Q3395
Lab Sample ID:	PB170215BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

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	10/29/25 13:25	PB170215
108-95-2	Phenol	170	U	1	22.1	170	ug/Kg	10/29/25 13:25	PB170215
111-44-4	bis(2-Chloroethyl)ether	170	U	1	24.3	170	ug/Kg	10/29/25 13:25	PB170215
95-57-8	2-Chlorophenol	170	U	1	24.4	170	ug/Kg	10/29/25 13:25	PB170215
95-48-7	2-Methylphenol	170	U	1	29.9	170	ug/Kg	10/29/25 13:25	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	1	37.5	170	ug/Kg	10/29/25 13:25	PB170215
98-86-2	Acetophenone	170	U	1	29.5	170	ug/Kg	10/29/25 13:25	PB170215
65794-96-9	3+4-Methylphenols	330	U	1	41.1	330	ug/Kg	10/29/25 13:25	PB170215
621-64-7	n-Nitroso-di-n-propylamine	80.0	U	1	47.4	80.0	ug/Kg	10/29/25 13:25	PB170215
67-72-1	Hexachloroethane	170	U	1	17.6	170	ug/Kg	10/29/25 13:25	PB170215
98-95-3	Nitrobenzene	170	U	1	18.3	170	ug/Kg	10/29/25 13:25	PB170215
78-59-1	Isophorone	170	U	1	32.8	170	ug/Kg	10/29/25 13:25	PB170215
88-75-5	2-Nitrophenol	170	U	1	58.2	170	ug/Kg	10/29/25 13:25	PB170215
105-67-9	2,4-Dimethylphenol	170	U	1	64.8	170	ug/Kg	10/29/25 13:25	PB170215
111-91-1	bis(2-Chloroethoxy)methane	170	U	1	30.8	170	ug/Kg	10/29/25 13:25	PB170215
120-83-2	2,4-Dichlorophenol	170	U	1	28.3	170	ug/Kg	10/29/25 13:25	PB170215
91-20-3	Naphthalene	170	U	1	22.7	170	ug/Kg	10/29/25 13:25	PB170215
106-47-8	4-Chloroaniline	170	U	1	35.4	170	ug/Kg	10/29/25 13:25	PB170215
87-68-3	Hexachlorobutadiene	170	U	1	25.3	170	ug/Kg	10/29/25 13:25	PB170215
105-60-2	Caprolactam	330	U	1	52.1	330	ug/Kg	10/29/25 13:25	PB170215
59-50-7	4-Chloro-3-methylphenol	170	U	1	28.7	170	ug/Kg	10/29/25 13:25	PB170215
91-57-6	2-Methylnaphthalene	170	U	1	25.6	170	ug/Kg	10/29/25 13:25	PB170215
77-47-4	Hexachlorocyclopentadiene	330	U	1	120	330	ug/Kg	10/29/25 13:25	PB170215
88-06-2	2,4,6-Trichlorophenol	170	U	1	19.8	170	ug/Kg	10/29/25 13:25	PB170215
95-95-4	2,4,5-Trichlorophenol	170	U	1	29.1	170	ug/Kg	10/29/25 13:25	PB170215
92-52-4	1,1-Biphenyl	170	U	1	21.8	170	ug/Kg	10/29/25 13:25	PB170215
91-58-7	2-Chloronaphthalene	170	U	1	22.5	170	ug/Kg	10/29/25 13:25	PB170215
88-74-4	2-Nitroaniline	170	U	1	48.1	170	ug/Kg	10/29/25 13:25	PB170215
131-11-3	Dimethylphthalate	170	U	1	27.1	170	ug/Kg	10/29/25 13:25	PB170215
208-96-8	Acenaphthylene	170	U	1	28.9	170	ug/Kg	10/29/25 13:25	PB170215
606-20-2	2,6-Dinitrotoluene	170	U	1	33.6	170	ug/Kg	10/29/25 13:25	PB170215
99-09-2	3-Nitroaniline	170	U	1	46.0	170	ug/Kg	10/29/25 13:25	PB170215
83-32-9	Acenaphthene	170	U	1	21.3	170	ug/Kg	10/29/25 13:25	PB170215
51-28-5	2,4-Dinitrophenol	330	U	1	230	330	ug/Kg	10/29/25 13:25	PB170215
100-02-7	4-Nitrophenol	330	U	1	110	330	ug/Kg	10/29/25 13:25	PB170215
132-64-9	Dibenzofuran	170	U	1	22.7	170	ug/Kg	10/29/25 13:25	PB170215
121-14-2	2,4-Dinitrotoluene	170	U	1	50.1	170	ug/Kg	10/29/25 13:25	PB170215
84-66-2	Diethylphthalate	170	U	1	28.3	170	ug/Kg	10/29/25 13:25	PB170215
7005-72-3	4-Chlorophenyl-phenylether	170	U	1	26.7	170	ug/Kg	10/29/25 13:25	PB170215
86-73-7	Fluorene	170	U	1	25.3	170	ug/Kg	10/29/25 13:25	PB170215
100-01-6	4-Nitroaniline	170	U	1	64.2	170	ug/Kg	10/29/25 13:25	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	330	U	1	100	330	ug/Kg	10/29/25 13:25	PB170215

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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:	PB170215BL	SDG No.:	Q3395
Lab Sample ID:	PB170215BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

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	10/29/25 13:25	PB170215
101-55-3	4-Bromophenyl-phenylether	170	U	1	27.8	170	ug/Kg	10/29/25 13:25	PB170215
118-74-1	Hexachlorobenzene	170	U	1	25.3	170	ug/Kg	10/29/25 13:25	PB170215
1912-24-9	Atrazine	170	U	1	34.0	170	ug/Kg	10/29/25 13:25	PB170215
87-86-5	Pentachlorophenol	330	U	1	51.3	330	ug/Kg	10/29/25 13:25	PB170215
85-01-8	Phenanthrene	170	U	1	20.9	170	ug/Kg	10/29/25 13:25	PB170215
120-12-7	Anthracene	170	U	1	33.3	170	ug/Kg	10/29/25 13:25	PB170215
86-74-8	Carbazole	170	U	1	31.2	170	ug/Kg	10/29/25 13:25	PB170215
84-74-2	Di-n-butylphthalate	170	U	1	47.9	170	ug/Kg	10/29/25 13:25	PB170215
206-44-0	Fluoranthene	170	U	1	30.0	170	ug/Kg	10/29/25 13:25	PB170215
129-00-0	Pyrene	170	U	1	36.0	170	ug/Kg	10/29/25 13:25	PB170215
85-68-7	Butylbenzylphthalate	170	U	1	71.4	170	ug/Kg	10/29/25 13:25	PB170215
91-94-1	3,3-Dichlorobenzidine	330	U	1	36.7	330	ug/Kg	10/29/25 13:25	PB170215
56-55-3	Benzo(a)anthracene	170	U	1	23.0	170	ug/Kg	10/29/25 13:25	PB170215
218-01-9	Chrysene	170	U	1	19.9	170	ug/Kg	10/29/25 13:25	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	1	59.2	170	ug/Kg	10/29/25 13:25	PB170215
117-84-0	Di-n-octyl phthalate	330	U	1	86.8	330	ug/Kg	10/29/25 13:25	PB170215
205-99-2	Benzo(b)fluoranthene	170	U	1	19.0	170	ug/Kg	10/29/25 13:25	PB170215
207-08-9	Benzo(k)fluoranthene	170	U	1	22.4	170	ug/Kg	10/29/25 13:25	PB170215
50-32-8	Benzo(a)pyrene	170	U	1	29.5	170	ug/Kg	10/29/25 13:25	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	1	29.1	170	ug/Kg	10/29/25 13:25	PB170215
53-70-3	Dibenzo(a,h)anthracene	170	U	1	27.4	170	ug/Kg	10/29/25 13:25	PB170215
191-24-2	Benzo(g,h,i)perylene	170	U	1	25.7	170	ug/Kg	10/29/25 13:25	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	1	25.6	170	ug/Kg	10/29/25 13:25	PB170215
123-91-1	1,4-Dioxane	170	U	1	45.2	170	ug/Kg	10/29/25 13:25	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	1	27.4	170	ug/Kg	10/29/25 13:25	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	139			18 - 112	92%	SPK: 150		
13127-88-3	Phenol-d6	139			15 - 107	92%	SPK: 150		
4165-60-0	Nitrobenzene-d5	110	*		18 - 107	110%	SPK: 100		
321-60-8	2-Fluorobiphenyl	96.8			20 - 109	97%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	161			10 - 116	108%	SPK: 150		
1718-51-0	Terphenyl-d14	90.8			10 - 105	91%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	34000							
1146-65-2	Naphthalene-d8	131000							
15067-26-2	Acenaphthene-d10	98300							
1517-22-2	Phenanthrene-d10	248000							
1719-03-5	Chrysene-d12	318000							
1520-96-3	Perylene-d12	369000							

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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:	PB170215BL	SDG No.:	Q3395
Lab Sample ID:	PB170215BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

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:	PB170215BS	SDG No.:	Q3395
Lab Sample ID:	PB170215BS	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: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1100		1	160	330	ug/Kg	10/29/25 14:06	PB170215
108-95-2	Phenol	1500		1	22.1	170	ug/Kg	10/29/25 14:06	PB170215
111-44-4	bis(2-Chloroethyl)ether	1100		1	24.3	170	ug/Kg	10/29/25 14:06	PB170215
95-57-8	2-Chlorophenol	1600		1	24.4	170	ug/Kg	10/29/25 14:06	PB170215
95-48-7	2-Methylphenol	1600		1	29.9	170	ug/Kg	10/29/25 14:06	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	1300		1	37.5	170	ug/Kg	10/29/25 14:06	PB170215
98-86-2	Acetophenone	1600		1	29.5	170	ug/Kg	10/29/25 14:06	PB170215
65794-96-9	3+4-Methylphenols	1500		1	41.1	330	ug/Kg	10/29/25 14:06	PB170215
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	79.9	ug/Kg	10/29/25 14:06	PB170215
67-72-1	Hexachloroethane	1500		1	17.6	170	ug/Kg	10/29/25 14:06	PB170215
98-95-3	Nitrobenzene	1600		1	18.3	170	ug/Kg	10/29/25 14:06	PB170215
78-59-1	Isophorone	1400		1	32.8	170	ug/Kg	10/29/25 14:06	PB170215
88-75-5	2-Nitrophenol	1700		1	58.1	170	ug/Kg	10/29/25 14:06	PB170215
105-67-9	2,4-Dimethylphenol	1700		1	64.7	170	ug/Kg	10/29/25 14:06	PB170215
111-91-1	bis(2-Chloroethoxy)methane	1400		1	30.8	170	ug/Kg	10/29/25 14:06	PB170215
120-83-2	2,4-Dichlorophenol	1600		1	28.3	170	ug/Kg	10/29/25 14:06	PB170215
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	10/29/25 14:06	PB170215
106-47-8	4-Chloroaniline	790		1	35.4	170	ug/Kg	10/29/25 14:06	PB170215
87-68-3	Hexachlorobutadiene	1500		1	25.3	170	ug/Kg	10/29/25 14:06	PB170215
105-60-2	Caprolactam	1500		1	52.0	330	ug/Kg	10/29/25 14:06	PB170215
59-50-7	4-Chloro-3-methylphenol	1600		1	28.7	170	ug/Kg	10/29/25 14:06	PB170215
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/29/25 14:06	PB170215
77-47-4	Hexachlorocyclopentadiene	4100	E	1	120	330	ug/Kg	10/29/25 14:06	PB170215
88-06-2	2,4,6-Trichlorophenol	1700		1	19.8	170	ug/Kg	10/29/25 14:06	PB170215
95-95-4	2,4,5-Trichlorophenol	1600		1	29.1	170	ug/Kg	10/29/25 14:06	PB170215
92-52-4	1,1-Biphenyl	1600		1	21.8	170	ug/Kg	10/29/25 14:06	PB170215
91-58-7	2-Chloronaphthalene	1400		1	22.5	170	ug/Kg	10/29/25 14:06	PB170215
88-74-4	2-Nitroaniline	1600		1	48.1	170	ug/Kg	10/29/25 14:06	PB170215
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	10/29/25 14:06	PB170215
208-96-8	Acenaphthylene	1700		1	28.9	170	ug/Kg	10/29/25 14:06	PB170215
606-20-2	2,6-Dinitrotoluene	1700		1	33.6	170	ug/Kg	10/29/25 14:06	PB170215
99-09-2	3-Nitroaniline	1200		1	46.0	170	ug/Kg	10/29/25 14:06	PB170215
83-32-9	Acenaphthene	1600		1	21.3	170	ug/Kg	10/29/25 14:06	PB170215
51-28-5	2,4-Dinitrophenol	3600	E	1	230	330	ug/Kg	10/29/25 14:06	PB170215
100-02-7	4-Nitrophenol	3400	E	1	110	330	ug/Kg	10/29/25 14:06	PB170215
132-64-9	Dibenzofuran	1500		1	22.7	170	ug/Kg	10/29/25 14:06	PB170215
121-14-2	2,4-Dinitrotoluene	1700		1	50.0	170	ug/Kg	10/29/25 14:06	PB170215
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/29/25 14:06	PB170215
7005-72-3	4-Chlorophenyl-phenylether	1500		1	26.7	170	ug/Kg	10/29/25 14:06	PB170215
86-73-7	Fluorene	1500		1	25.3	170	ug/Kg	10/29/25 14:06	PB170215
100-01-6	4-Nitroaniline	1700		1	64.1	170	ug/Kg	10/29/25 14:06	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	100	330	ug/Kg	10/29/25 14:06	PB170215

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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:	PB170215BS	SDG No.:	Q3395
Lab Sample ID:	PB170215BS	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: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1500		1	32.9	170	ug/Kg	10/29/25 14:06	PB170215
101-55-3	4-Bromophenyl-phenylether	1500		1	27.8	170	ug/Kg	10/29/25 14:06	PB170215
118-74-1	Hexachlorobenzene	1500		1	25.3	170	ug/Kg	10/29/25 14:06	PB170215
1912-24-9	Atrazine	1600		1	34.0	170	ug/Kg	10/29/25 14:06	PB170215
87-86-5	Pentachlorophenol	3300	E	1	51.2	330	ug/Kg	10/29/25 14:06	PB170215
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	10/29/25 14:06	PB170215
120-12-7	Anthracene	1500		1	33.3	170	ug/Kg	10/29/25 14:06	PB170215
86-74-8	Carbazole	1500		1	31.2	170	ug/Kg	10/29/25 14:06	PB170215
84-74-2	Di-n-butylphthalate	1500		1	47.9	170	ug/Kg	10/29/25 14:06	PB170215
206-44-0	Fluoranthene	1500		1	30.0	170	ug/Kg	10/29/25 14:06	PB170215
129-00-0	Pyrene	1400		1	36.0	170	ug/Kg	10/29/25 14:06	PB170215
85-68-7	Butylbenzylphthalate	1600		1	71.3	170	ug/Kg	10/29/25 14:06	PB170215
91-94-1	3,3-Dichlorobenzidine	1100		1	36.7	330	ug/Kg	10/29/25 14:06	PB170215
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	10/29/25 14:06	PB170215
218-01-9	Chrysene	1500		1	19.9	170	ug/Kg	10/29/25 14:06	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	1600		1	59.1	170	ug/Kg	10/29/25 14:06	PB170215
117-84-0	Di-n-octyl phthalate	1700		1	86.7	330	ug/Kg	10/29/25 14:06	PB170215
205-99-2	Benzo(b)fluoranthene	1500		1	19.0	170	ug/Kg	10/29/25 14:06	PB170215
207-08-9	Benzo(k)fluoranthene	1500		1	22.4	170	ug/Kg	10/29/25 14:06	PB170215
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	10/29/25 14:06	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	29.1	170	ug/Kg	10/29/25 14:06	PB170215
53-70-3	Dibenzo(a,h)anthracene	1500		1	27.4	170	ug/Kg	10/29/25 14:06	PB170215
191-24-2	Benzo(g,h,i)perylene	1500		1	25.7	170	ug/Kg	10/29/25 14:06	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		1	25.6	170	ug/Kg	10/29/25 14:06	PB170215
123-91-1	1,4-Dioxane	1100		1	45.2	170	ug/Kg	10/29/25 14:06	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	1800		1	27.4	170	ug/Kg	10/29/25 14:06	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	125			18 - 112	83%	SPK: 150		
13127-88-3	Phenol-d6	125			15 - 107	83%	SPK: 150		
4165-60-0	Nitrobenzene-d5	95.4			18 - 107	95%	SPK: 100		
321-60-8	2-Fluorobiphenyl	79.6			20 - 109	80%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	144			10 - 116	96%	SPK: 150		
1718-51-0	Terphenyl-d14	83.3			10 - 105	83%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	30900							
1146-65-2	Naphthalene-d8	126000							
15067-26-2	Acenaphthene-d10	103000							
1517-22-2	Phenanthrene-d10	253000							
1719-03-5	Chrysene-d12	286000							
1520-96-3	Perylene-d12	311000							

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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:	PB170215BS	SDG No.:	Q3395
Lab Sample ID:	PB170215BS	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: 10/23/25		

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:	PR132-S07-000102-22510170MS	SDG No.:	Q3395
Lab Sample ID:	Q3395-03MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	47.9
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1200		1	320	690	ug/Kg	10/27/25 17:03	PB170215
108-95-2	Phenol	1800		1	46.0	350	ug/Kg	10/27/25 17:03	PB170215
111-44-4	bis(2-Chloroethyl)ether	2500		1	50.6	350	ug/Kg	10/27/25 17:03	PB170215
95-57-8	2-Chlorophenol	2400		1	50.8	350	ug/Kg	10/27/25 17:03	PB170215
95-48-7	2-Methylphenol	2600		1	62.3	350	ug/Kg	10/27/25 17:03	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	2800		1	78.1	350	ug/Kg	10/27/25 17:03	PB170215
98-86-2	Acetophenone	2900		1	61.4	350	ug/Kg	10/27/25 17:03	PB170215
65794-96-9	3+4-Methylphenols	2700		1	85.6	690	ug/Kg	10/27/25 17:03	PB170215
621-64-7	n-Nitroso-di-n-propylamine	3000		1	98.7	170	ug/Kg	10/27/25 17:03	PB170215
67-72-1	Hexachloroethane	2700		1	36.6	350	ug/Kg	10/27/25 17:03	PB170215
98-95-3	Nitrobenzene	2500		1	38.1	350	ug/Kg	10/27/25 17:03	PB170215
78-59-1	Isophorone	2900		1	68.3	350	ug/Kg	10/27/25 17:03	PB170215
88-75-5	2-Nitrophenol	2800		1	120	350	ug/Kg	10/27/25 17:03	PB170215
105-67-9	2,4-Dimethylphenol	3100		1	130	350	ug/Kg	10/27/25 17:03	PB170215
111-91-1	bis(2-Chloroethoxy)methane	2800		1	64.1	350	ug/Kg	10/27/25 17:03	PB170215
120-83-2	2,4-Dichlorophenol	2800		1	58.9	350	ug/Kg	10/27/25 17:03	PB170215
91-20-3	Naphthalene	2700		1	47.3	350	ug/Kg	10/27/25 17:03	PB170215
106-47-8	4-Chloroaniline	3200		1	73.7	350	ug/Kg	10/27/25 17:03	PB170215
87-68-3	Hexachlorobutadiene	2600		1	52.7	350	ug/Kg	10/27/25 17:03	PB170215
105-60-2	Caprolactam	3700		1	110	690	ug/Kg	10/27/25 17:03	PB170215
59-50-7	4-Chloro-3-methylphenol	3200		1	59.8	350	ug/Kg	10/27/25 17:03	PB170215
91-57-6	2-Methylnaphthalene	2700		1	53.3	350	ug/Kg	10/27/25 17:03	PB170215
77-47-4	Hexachlorocyclopentadiene	6000	E	1	240	690	ug/Kg	10/27/25 17:03	PB170215
88-06-2	2,4,6-Trichlorophenol	3000		1	41.2	350	ug/Kg	10/27/25 17:03	PB170215
95-95-4	2,4,5-Trichlorophenol	3000		1	60.6	350	ug/Kg	10/27/25 17:03	PB170215
92-52-4	1,1-Biphenyl	3100		1	45.4	350	ug/Kg	10/27/25 17:03	PB170215
91-58-7	2-Chloronaphthalene	2800		1	46.8	350	ug/Kg	10/27/25 17:03	PB170215
88-74-4	2-Nitroaniline	3300		1	100	350	ug/Kg	10/27/25 17:03	PB170215
131-11-3	Dimethylphthalate	3200		1	56.4	350	ug/Kg	10/27/25 17:03	PB170215
208-96-8	Acenaphthylene	3200		1	60.2	350	ug/Kg	10/27/25 17:03	PB170215
606-20-2	2,6-Dinitrotoluene	3400		1	70.0	350	ug/Kg	10/27/25 17:03	PB170215
99-09-2	3-Nitroaniline	3500		1	95.8	350	ug/Kg	10/27/25 17:03	PB170215
83-32-9	Acenaphthene	3100		1	44.3	350	ug/Kg	10/27/25 17:03	PB170215
51-28-5	2,4-Dinitrophenol	4900		1	480	690	ug/Kg	10/27/25 17:03	PB170215
100-02-7	4-Nitrophenol	6600	E	1	220	690	ug/Kg	10/27/25 17:03	PB170215
132-64-9	Dibenzofuran	3000		1	47.3	350	ug/Kg	10/27/25 17:03	PB170215
121-14-2	2,4-Dinitrotoluene	3700		1	100	350	ug/Kg	10/27/25 17:03	PB170215
84-66-2	Diethylphthalate	3400		1	58.9	350	ug/Kg	10/27/25 17:03	PB170215
7005-72-3	4-Chlorophenyl-phenylether	3100		1	55.6	350	ug/Kg	10/27/25 17:03	PB170215
86-73-7	Fluorene	3200		1	52.7	350	ug/Kg	10/27/25 17:03	PB170215
100-01-6	4-Nitroaniline	3500		1	130	350	ug/Kg	10/27/25 17:03	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	2700		1	210	690	ug/Kg	10/27/25 17:03	PB170215

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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:	PR132-S07-000102-22510170MS	SDG No.:	Q3395
Lab Sample ID:	Q3395-03MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	47.9
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	3200		1	68.5	350	ug/Kg	10/27/25 17:03	PB170215
101-55-3	4-Bromophenyl-phenylether	3100		1	57.9	350	ug/Kg	10/27/25 17:03	PB170215
118-74-1	Hexachlorobenzene	3200		1	52.7	350	ug/Kg	10/27/25 17:03	PB170215
1912-24-9	Atrazine	3500		1	70.8	350	ug/Kg	10/27/25 17:03	PB170215
87-86-5	Pentachlorophenol	6700	E	1	110	690	ug/Kg	10/27/25 17:03	PB170215
85-01-8	Phenanthrene	3300		1	43.5	350	ug/Kg	10/27/25 17:03	PB170215
120-12-7	Anthracene	3200		1	69.3	350	ug/Kg	10/27/25 17:03	PB170215
86-74-8	Carbazole	3200		1	65.0	350	ug/Kg	10/27/25 17:03	PB170215
84-74-2	Di-n-butylphthalate	3300		1	99.7	350	ug/Kg	10/27/25 17:03	PB170215
206-44-0	Fluoranthene	3100		1	62.5	350	ug/Kg	10/27/25 17:03	PB170215
129-00-0	Pyrene	3600		1	75.0	350	ug/Kg	10/27/25 17:03	PB170215
85-68-7	Butylbenzylphthalate	3600		1	150	350	ug/Kg	10/27/25 17:03	PB170215
91-94-1	3,3-Dichlorobenzidine	3600		1	76.4	690	ug/Kg	10/27/25 17:03	PB170215
56-55-3	Benzo(a)anthracene	3500		1	47.9	350	ug/Kg	10/27/25 17:03	PB170215
218-01-9	Chrysene	3400		1	41.4	350	ug/Kg	10/27/25 17:03	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	3400		1	120	350	ug/Kg	10/27/25 17:03	PB170215
117-84-0	Di-n-octyl phthalate	3400		1	180	690	ug/Kg	10/27/25 17:03	PB170215
205-99-2	Benzo(b)fluoranthene	3300		1	39.6	350	ug/Kg	10/27/25 17:03	PB170215
207-08-9	Benzo(k)fluoranthene	3700		1	46.6	350	ug/Kg	10/27/25 17:03	PB170215
50-32-8	Benzo(a)pyrene	3700		1	61.4	350	ug/Kg	10/27/25 17:03	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	2700		1	60.6	350	ug/Kg	10/27/25 17:03	PB170215
53-70-3	Dibenzo(a,h)anthracene	2800		1	57.1	350	ug/Kg	10/27/25 17:03	PB170215
191-24-2	Benzo(g,h,i)perylene	2600		1	53.5	350	ug/Kg	10/27/25 17:03	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	2900		1	53.3	350	ug/Kg	10/27/25 17:03	PB170215
123-91-1	1,4-Dioxane	350	U	1	94.1	350	ug/Kg	10/27/25 17:03	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	3700		1	57.1	350	ug/Kg	10/27/25 17:03	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	29.3			18 - 112	20%	SPK: 150		
13127-88-3	Phenol-d6	42.6			15 - 107	28%	SPK: 150		
4165-60-0	Nitrobenzene-d5	41.6			18 - 107	42%	SPK: 100		
321-60-8	2-Fluorobiphenyl	40.6			20 - 109	41%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	82.9			10 - 116	55%	SPK: 150		
1718-51-0	Terphenyl-d14	51.9			10 - 105	52%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	51700							
1146-65-2	Naphthalene-d8	204000							
15067-26-2	Acenaphthene-d10	117000							
1517-22-2	Phenanthrene-d10	210000							
1719-03-5	Chrysene-d12	137000							
1520-96-3	Perylene-d12	173000							

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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:	PR132-S07-000102-22510170MS	SDG No.:	Q3395
Lab Sample ID:	Q3395-03MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	47.9
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

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:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MS	SDG No.:	Q3395
Lab Sample ID:	Q3419-02MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	2100		1	290	610	ug/Kg	10/29/25 17:34	PB170215
108-95-2	Phenol	3000		1	40.6	310	ug/Kg	10/29/25 17:34	PB170215
111-44-4	bis(2-Chloroethyl)ether	2000		1	44.6	310	ug/Kg	10/29/25 17:34	PB170215
95-57-8	2-Chlorophenol	3200		1	44.8	310	ug/Kg	10/29/25 17:34	PB170215
95-48-7	2-Methylphenol	3000		1	54.9	310	ug/Kg	10/29/25 17:34	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	2800		1	68.9	310	ug/Kg	10/29/25 17:34	PB170215
98-86-2	Acetophenone	3300		1	54.2	310	ug/Kg	10/29/25 17:34	PB170215
65794-96-9	3+4-Methylphenols	3000		1	75.5	610	ug/Kg	10/29/25 17:34	PB170215
621-64-7	n-Nitroso-di-n-propylamine	3000		1	87.0	150	ug/Kg	10/29/25 17:34	PB170215
67-72-1	Hexachloroethane	3200		1	32.3	310	ug/Kg	10/29/25 17:34	PB170215
98-95-3	Nitrobenzene	3400		1	33.6	310	ug/Kg	10/29/25 17:34	PB170215
78-59-1	Isophorone	3000		1	60.2	310	ug/Kg	10/29/25 17:34	PB170215
88-75-5	2-Nitrophenol	3800		1	110	310	ug/Kg	10/29/25 17:34	PB170215
105-67-9	2,4-Dimethylphenol	3500		1	120	310	ug/Kg	10/29/25 17:34	PB170215
111-91-1	bis(2-Chloroethoxy)methane	2900		1	56.6	310	ug/Kg	10/29/25 17:34	PB170215
120-83-2	2,4-Dichlorophenol	3500		1	52.0	310	ug/Kg	10/29/25 17:34	PB170215
91-20-3	Naphthalene	3000		1	41.7	310	ug/Kg	10/29/25 17:34	PB170215
106-47-8	4-Chloroaniline	1300		1	65.0	310	ug/Kg	10/29/25 17:34	PB170215
87-68-3	Hexachlorobutadiene	3200		1	46.5	310	ug/Kg	10/29/25 17:34	PB170215
105-60-2	Caprolactam	3100		1	95.7	610	ug/Kg	10/29/25 17:34	PB170215
59-50-7	4-Chloro-3-methylphenol	3200		1	52.7	310	ug/Kg	10/29/25 17:34	PB170215
91-57-6	2-Methylnaphthalene	2800		1	47.0	310	ug/Kg	10/29/25 17:34	PB170215
77-47-4	Hexachlorocyclopentadiene	9500	E	1	210	610	ug/Kg	10/29/25 17:34	PB170215
88-06-2	2,4,6-Trichlorophenol	3600		1	36.4	310	ug/Kg	10/29/25 17:34	PB170215
95-95-4	2,4,5-Trichlorophenol	3400		1	53.4	310	ug/Kg	10/29/25 17:34	PB170215
92-52-4	1,1-Biphenyl	3400		1	40.0	310	ug/Kg	10/29/25 17:34	PB170215
91-58-7	2-Chloronaphthalene	3100		1	41.3	310	ug/Kg	10/29/25 17:34	PB170215
88-74-4	2-Nitroaniline	3400		1	88.3	310	ug/Kg	10/29/25 17:34	PB170215
131-11-3	Dimethylphthalate	3100		1	49.8	310	ug/Kg	10/29/25 17:34	PB170215
208-96-8	Acenaphthylene	3500		1	53.1	310	ug/Kg	10/29/25 17:34	PB170215
606-20-2	2,6-Dinitrotoluene	3700		1	61.7	310	ug/Kg	10/29/25 17:34	PB170215
99-09-2	3-Nitroaniline	2500		1	84.5	310	ug/Kg	10/29/25 17:34	PB170215
83-32-9	Acenaphthene	3500		1	39.1	310	ug/Kg	10/29/25 17:34	PB170215
51-28-5	2,4-Dinitrophenol	8100	E	1	420	610	ug/Kg	10/29/25 17:34	PB170215
100-02-7	4-Nitrophenol	7500	E	1	200	610	ug/Kg	10/29/25 17:34	PB170215
132-64-9	Dibenzofuran	3100		1	41.7	310	ug/Kg	10/29/25 17:34	PB170215
121-14-2	2,4-Dinitrotoluene	3600		1	92.0	310	ug/Kg	10/29/25 17:34	PB170215
84-66-2	Diethylphthalate	3100		1	52.0	310	ug/Kg	10/29/25 17:34	PB170215
7005-72-3	4-Chlorophenyl-phenylether	3100		1	49.0	310	ug/Kg	10/29/25 17:34	PB170215
86-73-7	Fluorene	3100		1	46.5	310	ug/Kg	10/29/25 17:34	PB170215
100-01-6	4-Nitroaniline	3600		1	120	310	ug/Kg	10/29/25 17:34	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	4000		1	190	610	ug/Kg	10/29/25 17:34	PB170215

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MS	SDG No.:	Q3395
Lab Sample ID:	Q3419-02MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	3100		1	60.4	310	ug/Kg	10/29/25 17:34	PB170215
101-55-3	4-Bromophenyl-phenylether	3200		1	51.1	310	ug/Kg	10/29/25 17:34	PB170215
118-74-1	Hexachlorobenzene	3200		1	46.5	310	ug/Kg	10/29/25 17:34	PB170215
1912-24-9	Atrazine	3400		1	62.4	310	ug/Kg	10/29/25 17:34	PB170215
87-86-5	Pentachlorophenol	7000	E	1	94.2	610	ug/Kg	10/29/25 17:34	PB170215
85-01-8	Phenanthrene	3100		1	38.4	310	ug/Kg	10/29/25 17:34	PB170215
120-12-7	Anthracene	3100		1	61.2	310	ug/Kg	10/29/25 17:34	PB170215
86-74-8	Carbazole	3100		1	57.3	310	ug/Kg	10/29/25 17:34	PB170215
84-74-2	Di-n-butylphthalate	3200		1	88.0	310	ug/Kg	10/29/25 17:34	PB170215
206-44-0	Fluoranthene	3100		1	55.1	310	ug/Kg	10/29/25 17:34	PB170215
129-00-0	Pyrene	2900		1	66.1	310	ug/Kg	10/29/25 17:34	PB170215
85-68-7	Butylbenzylphthalate	3500		1	130	310	ug/Kg	10/29/25 17:34	PB170215
91-94-1	3,3-Dichlorobenzidine	1700		1	67.4	610	ug/Kg	10/29/25 17:34	PB170215
56-55-3	Benzo(a)anthracene	3100		1	42.2	310	ug/Kg	10/29/25 17:34	PB170215
218-01-9	Chrysene	3100		1	36.5	310	ug/Kg	10/29/25 17:34	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	3400		1	110	310	ug/Kg	10/29/25 17:34	PB170215
117-84-0	Di-n-octyl phthalate	3500		1	160	610	ug/Kg	10/29/25 17:34	PB170215
205-99-2	Benzo(b)fluoranthene	3100		1	34.9	310	ug/Kg	10/29/25 17:34	PB170215
207-08-9	Benzo(k)fluoranthene	3200		1	41.1	310	ug/Kg	10/29/25 17:34	PB170215
50-32-8	Benzo(a)pyrene	3200		1	54.2	310	ug/Kg	10/29/25 17:34	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	3100		1	53.4	310	ug/Kg	10/29/25 17:34	PB170215
53-70-3	Dibenzo(a,h)anthracene	3200		1	50.3	310	ug/Kg	10/29/25 17:34	PB170215
191-24-2	Benzo(g,h,i)perylene	3100		1	47.2	310	ug/Kg	10/29/25 17:34	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	3500		1	47.0	310	ug/Kg	10/29/25 17:34	PB170215
123-91-1	1,4-Dioxane	2500		1	83.0	310	ug/Kg	10/29/25 17:34	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	3800		1	50.3	310	ug/Kg	10/29/25 17:34	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	95.5			18 - 112	64%	SPK: 150		
13127-88-3	Phenol-d6	99.7			15 - 107	66%	SPK: 150		
4165-60-0	Nitrobenzene-d5	76.9			18 - 107	77%	SPK: 100		
321-60-8	2-Fluorobiphenyl	60.3			20 - 109	60%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	123			10 - 116	82%	SPK: 150		
1718-51-0	Terphenyl-d14	60.4			10 - 105	60%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	30500							
1146-65-2	Naphthalene-d8	121000							
15067-26-2	Acenaphthene-d10	93600							
1517-22-2	Phenanthrene-d10	230000							
1719-03-5	Chrysene-d12	272000							
1520-96-3	Perylene-d12	297000							

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MS	SDG No.:	Q3395
Lab Sample ID:	Q3419-02MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

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:	PR132-S07-000102-22510170MSD	SDG No.:	Q3395
Lab Sample ID:	Q3395-04MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	47.9
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1200		1	330	690	ug/Kg	10/27/25 17:33	PB170215
108-95-2	Phenol	1700		1	46.1	350	ug/Kg	10/27/25 17:33	PB170215
111-44-4	bis(2-Chloroethyl)ether	2400		1	50.7	350	ug/Kg	10/27/25 17:33	PB170215
95-57-8	2-Chlorophenol	2300		1	50.9	350	ug/Kg	10/27/25 17:33	PB170215
95-48-7	2-Methylphenol	2400		1	62.3	350	ug/Kg	10/27/25 17:33	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	2700		1	78.2	350	ug/Kg	10/27/25 17:33	PB170215
98-86-2	Acetophenone	2900		1	61.5	350	ug/Kg	10/27/25 17:33	PB170215
65794-96-9	3+4-Methylphenols	2500		1	85.7	690	ug/Kg	10/27/25 17:33	PB170215
621-64-7	n-Nitroso-di-n-propylamine	2700		1	98.8	170	ug/Kg	10/27/25 17:33	PB170215
67-72-1	Hexachloroethane	2500		1	36.7	350	ug/Kg	10/27/25 17:33	PB170215
98-95-3	Nitrobenzene	2600		1	38.2	350	ug/Kg	10/27/25 17:33	PB170215
78-59-1	Isophorone	2800		1	68.4	350	ug/Kg	10/27/25 17:33	PB170215
88-75-5	2-Nitrophenol	2700		1	120	350	ug/Kg	10/27/25 17:33	PB170215
105-67-9	2,4-Dimethylphenol	3100		1	140	350	ug/Kg	10/27/25 17:33	PB170215
111-91-1	bis(2-Chloroethoxy)methane	2900		1	64.2	350	ug/Kg	10/27/25 17:33	PB170215
120-83-2	2,4-Dichlorophenol	2800		1	59.0	350	ug/Kg	10/27/25 17:33	PB170215
91-20-3	Naphthalene	2800		1	47.3	350	ug/Kg	10/27/25 17:33	PB170215
106-47-8	4-Chloroaniline	3300		1	73.8	350	ug/Kg	10/27/25 17:33	PB170215
87-68-3	Hexachlorobutadiene	2600		1	52.7	350	ug/Kg	10/27/25 17:33	PB170215
105-60-2	Caprolactam	3900		1	110	690	ug/Kg	10/27/25 17:33	PB170215
59-50-7	4-Chloro-3-methylphenol	3200		1	59.8	350	ug/Kg	10/27/25 17:33	PB170215
91-57-6	2-Methylnaphthalene	2700		1	53.4	350	ug/Kg	10/27/25 17:33	PB170215
77-47-4	Hexachlorocyclopentadiene	5900	E	1	240	690	ug/Kg	10/27/25 17:33	PB170215
88-06-2	2,4,6-Trichlorophenol	2900		1	41.3	350	ug/Kg	10/27/25 17:33	PB170215
95-95-4	2,4,5-Trichlorophenol	2900		1	60.7	350	ug/Kg	10/27/25 17:33	PB170215
92-52-4	1,1-Biphenyl	3000		1	45.5	350	ug/Kg	10/27/25 17:33	PB170215
91-58-7	2-Chloronaphthalene	2800		1	46.9	350	ug/Kg	10/27/25 17:33	PB170215
88-74-4	2-Nitroaniline	3200		1	100	350	ug/Kg	10/27/25 17:33	PB170215
131-11-3	Dimethylphthalate	3300		1	56.5	350	ug/Kg	10/27/25 17:33	PB170215
208-96-8	Acenaphthylene	3300		1	60.3	350	ug/Kg	10/27/25 17:33	PB170215
606-20-2	2,6-Dinitrotoluene	3400		1	70.1	350	ug/Kg	10/27/25 17:33	PB170215
99-09-2	3-Nitroaniline	3500		1	95.9	350	ug/Kg	10/27/25 17:33	PB170215
83-32-9	Acenaphthene	3000		1	44.4	350	ug/Kg	10/27/25 17:33	PB170215
51-28-5	2,4-Dinitrophenol	4500		1	480	690	ug/Kg	10/27/25 17:33	PB170215
100-02-7	4-Nitrophenol	6300	E	1	220	690	ug/Kg	10/27/25 17:33	PB170215
132-64-9	Dibenzofuran	3100		1	47.3	350	ug/Kg	10/27/25 17:33	PB170215
121-14-2	2,4-Dinitrotoluene	3600		1	100	350	ug/Kg	10/27/25 17:33	PB170215
84-66-2	Diethylphthalate	3300		1	59.0	350	ug/Kg	10/27/25 17:33	PB170215
7005-72-3	4-Chlorophenyl-phenylether	3000		1	55.7	350	ug/Kg	10/27/25 17:33	PB170215
86-73-7	Fluorene	3200		1	52.7	350	ug/Kg	10/27/25 17:33	PB170215
100-01-6	4-Nitroaniline	3400		1	130	350	ug/Kg	10/27/25 17:33	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	2700		1	210	690	ug/Kg	10/27/25 17:33	PB170215

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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:	PR132-S07-000102-22510170MSD	SDG No.:	Q3395
Lab Sample ID:	Q3395-04MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	47.9
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	3300		1	68.6	350	ug/Kg	10/27/25 17:33	PB170215
101-55-3	4-Bromophenyl-phenylether	3000		1	58.0	350	ug/Kg	10/27/25 17:33	PB170215
118-74-1	Hexachlorobenzene	3100		1	52.7	350	ug/Kg	10/27/25 17:33	PB170215
1912-24-9	Atrazine	3500		1	70.9	350	ug/Kg	10/27/25 17:33	PB170215
87-86-5	Pentachlorophenol	6400	E	1	110	690	ug/Kg	10/27/25 17:33	PB170215
85-01-8	Phenanthrene	3300		1	43.6	350	ug/Kg	10/27/25 17:33	PB170215
120-12-7	Anthracene	3200		1	69.4	350	ug/Kg	10/27/25 17:33	PB170215
86-74-8	Carbazole	3100		1	65.0	350	ug/Kg	10/27/25 17:33	PB170215
84-74-2	Di-n-butylphthalate	3200		1	99.9	350	ug/Kg	10/27/25 17:33	PB170215
206-44-0	Fluoranthene	2900		1	62.5	350	ug/Kg	10/27/25 17:33	PB170215
129-00-0	Pyrene	3400		1	75.1	350	ug/Kg	10/27/25 17:33	PB170215
85-68-7	Butylbenzylphthalate	3300		1	150	350	ug/Kg	10/27/25 17:33	PB170215
91-94-1	3,3-Dichlorobenzidine	3700		1	76.5	690	ug/Kg	10/27/25 17:33	PB170215
56-55-3	Benzo(a)anthracene	3400		1	48.0	350	ug/Kg	10/27/25 17:33	PB170215
218-01-9	Chrysene	3300		1	41.5	350	ug/Kg	10/27/25 17:33	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	3200		1	120	350	ug/Kg	10/27/25 17:33	PB170215
117-84-0	Di-n-octyl phthalate	3500		1	180	690	ug/Kg	10/27/25 17:33	PB170215
205-99-2	Benzo(b)fluoranthene	3300		1	39.6	350	ug/Kg	10/27/25 17:33	PB170215
207-08-9	Benzo(k)fluoranthene	3600		1	46.7	350	ug/Kg	10/27/25 17:33	PB170215
50-32-8	Benzo(a)pyrene	3600		1	61.5	350	ug/Kg	10/27/25 17:33	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	2700		1	60.7	350	ug/Kg	10/27/25 17:33	PB170215
53-70-3	Dibenzo(a,h)anthracene	2700		1	57.1	350	ug/Kg	10/27/25 17:33	PB170215
191-24-2	Benzo(g,h,i)perylene	2400		1	53.6	350	ug/Kg	10/27/25 17:33	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	2900		1	53.4	350	ug/Kg	10/27/25 17:33	PB170215
123-91-1	1,4-Dioxane	350	U	1	94.2	350	ug/Kg	10/27/25 17:33	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	3500		1	57.1	350	ug/Kg	10/27/25 17:33	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	27.7			18 - 112	18%	SPK: 150		
13127-88-3	Phenol-d6	40.8			15 - 107	27%	SPK: 150		
4165-60-0	Nitrobenzene-d5	41.7			18 - 107	42%	SPK: 100		
321-60-8	2-Fluorobiphenyl	41.1			20 - 109	41%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	78.6			10 - 116	52%	SPK: 150		
1718-51-0	Terphenyl-d14	48.6			10 - 105	49%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	51300							
1146-65-2	Naphthalene-d8	192000							
15067-26-2	Acenaphthene-d10	110000							
1517-22-2	Phenanthrene-d10	190000							
1719-03-5	Chrysene-d12	124000							
1520-96-3	Perylene-d12	168000							

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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:	PR132-S07-000102-22510170MSD	SDG No.:	Q3395
Lab Sample ID:	Q3395-04MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	47.9
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

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:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MSD	SDG No.:	Q3395
Lab Sample ID:	Q3419-03MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	2100		1	290	610	ug/Kg	10/29/25 18:15	PB170215
108-95-2	Phenol	2900		1	40.6	310	ug/Kg	10/29/25 18:15	PB170215
111-44-4	bis(2-Chloroethyl)ether	1900		1	44.6	310	ug/Kg	10/29/25 18:15	PB170215
95-57-8	2-Chlorophenol	3000		1	44.8	310	ug/Kg	10/29/25 18:15	PB170215
95-48-7	2-Methylphenol	2900		1	54.9	310	ug/Kg	10/29/25 18:15	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	2700		1	68.8	310	ug/Kg	10/29/25 18:15	PB170215
98-86-2	Acetophenone	3100		1	54.1	310	ug/Kg	10/29/25 18:15	PB170215
65794-96-9	3+4-Methylphenols	2900		1	75.4	610	ug/Kg	10/29/25 18:15	PB170215
621-64-7	n-Nitroso-di-n-propylamine	2700		1	87.0	150	ug/Kg	10/29/25 18:15	PB170215
67-72-1	Hexachloroethane	3000		1	32.3	310	ug/Kg	10/29/25 18:15	PB170215
98-95-3	Nitrobenzene	3300		1	33.6	310	ug/Kg	10/29/25 18:15	PB170215
78-59-1	Isophorone	2800		1	60.2	310	ug/Kg	10/29/25 18:15	PB170215
88-75-5	2-Nitrophenol	3800		1	110	310	ug/Kg	10/29/25 18:15	PB170215
105-67-9	2,4-Dimethylphenol	3300		1	120	310	ug/Kg	10/29/25 18:15	PB170215
111-91-1	bis(2-Chloroethoxy)methane	2800		1	56.5	310	ug/Kg	10/29/25 18:15	PB170215
120-83-2	2,4-Dichlorophenol	3300		1	51.9	310	ug/Kg	10/29/25 18:15	PB170215
91-20-3	Naphthalene	2900		1	41.7	310	ug/Kg	10/29/25 18:15	PB170215
106-47-8	4-Chloroaniline	1200		1	65.0	310	ug/Kg	10/29/25 18:15	PB170215
87-68-3	Hexachlorobutadiene	3100		1	46.4	310	ug/Kg	10/29/25 18:15	PB170215
105-60-2	Caprolactam	2800		1	95.6	610	ug/Kg	10/29/25 18:15	PB170215
59-50-7	4-Chloro-3-methylphenol	3100		1	52.7	310	ug/Kg	10/29/25 18:15	PB170215
91-57-6	2-Methylnaphthalene	2700		1	47.0	310	ug/Kg	10/29/25 18:15	PB170215
77-47-4	Hexachlorocyclopentadiene	8900	E	1	210	610	ug/Kg	10/29/25 18:15	PB170215
88-06-2	2,4,6-Trichlorophenol	3500		1	36.3	310	ug/Kg	10/29/25 18:15	PB170215
95-95-4	2,4,5-Trichlorophenol	3400		1	53.4	310	ug/Kg	10/29/25 18:15	PB170215
92-52-4	1,1-Biphenyl	3300		1	40.0	310	ug/Kg	10/29/25 18:15	PB170215
91-58-7	2-Chloronaphthalene	3000		1	41.3	310	ug/Kg	10/29/25 18:15	PB170215
88-74-4	2-Nitroaniline	3300		1	88.3	310	ug/Kg	10/29/25 18:15	PB170215
131-11-3	Dimethylphthalate	2900		1	49.7	310	ug/Kg	10/29/25 18:15	PB170215
208-96-8	Acenaphthylene	3300		1	53.0	310	ug/Kg	10/29/25 18:15	PB170215
606-20-2	2,6-Dinitrotoluene	3600		1	61.7	310	ug/Kg	10/29/25 18:15	PB170215
99-09-2	3-Nitroaniline	2400		1	84.4	310	ug/Kg	10/29/25 18:15	PB170215
83-32-9	Acenaphthene	3400		1	39.1	310	ug/Kg	10/29/25 18:15	PB170215
51-28-5	2,4-Dinitrophenol	7800	E	1	420	610	ug/Kg	10/29/25 18:15	PB170215
100-02-7	4-Nitrophenol	6900	E	1	200	610	ug/Kg	10/29/25 18:15	PB170215
132-64-9	Dibenzofuran	2900		1	41.7	310	ug/Kg	10/29/25 18:15	PB170215
121-14-2	2,4-Dinitrotoluene	3300		1	91.9	310	ug/Kg	10/29/25 18:15	PB170215
84-66-2	Diethylphthalate	2900		1	51.9	310	ug/Kg	10/29/25 18:15	PB170215
7005-72-3	4-Chlorophenyl-phenylether	3000		1	49.0	310	ug/Kg	10/29/25 18:15	PB170215
86-73-7	Fluorene	3000		1	46.4	310	ug/Kg	10/29/25 18:15	PB170215
100-01-6	4-Nitroaniline	3500		1	120	310	ug/Kg	10/29/25 18:15	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	3900		1	190	610	ug/Kg	10/29/25 18:15	PB170215

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MSD	SDG No.:	Q3395
Lab Sample ID:	Q3419-03MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	3100		1	60.4	310	ug/Kg	10/29/25 18:15	PB170215
101-55-3	4-Bromophenyl-phenylether	3000		1	51.0	310	ug/Kg	10/29/25 18:15	PB170215
118-74-1	Hexachlorobenzene	3100		1	46.4	310	ug/Kg	10/29/25 18:15	PB170215
1912-24-9	Atrazine	3300		1	62.4	310	ug/Kg	10/29/25 18:15	PB170215
87-86-5	Pentachlorophenol	6800	E	1	94.1	610	ug/Kg	10/29/25 18:15	PB170215
85-01-8	Phenanthrene	3000		1	38.4	310	ug/Kg	10/29/25 18:15	PB170215
120-12-7	Anthracene	2900		1	61.1	310	ug/Kg	10/29/25 18:15	PB170215
86-74-8	Carbazole	3000		1	57.3	310	ug/Kg	10/29/25 18:15	PB170215
84-74-2	Di-n-butylphthalate	3100		1	87.9	310	ug/Kg	10/29/25 18:15	PB170215
206-44-0	Fluoranthene	3100		1	55.1	310	ug/Kg	10/29/25 18:15	PB170215
129-00-0	Pyrene	2700		1	66.1	310	ug/Kg	10/29/25 18:15	PB170215
85-68-7	Butylbenzylphthalate	3400		1	130	310	ug/Kg	10/29/25 18:15	PB170215
91-94-1	3,3-Dichlorobenzidine	1700		1	67.4	610	ug/Kg	10/29/25 18:15	PB170215
56-55-3	Benzo(a)anthracene	3000		1	42.2	310	ug/Kg	10/29/25 18:15	PB170215
218-01-9	Chrysene	2900		1	36.5	310	ug/Kg	10/29/25 18:15	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	3400		1	110	310	ug/Kg	10/29/25 18:15	PB170215
117-84-0	Di-n-octyl phthalate	3300		1	160	610	ug/Kg	10/29/25 18:15	PB170215
205-99-2	Benzo(b)fluoranthene	3000		1	34.9	310	ug/Kg	10/29/25 18:15	PB170215
207-08-9	Benzo(k)fluoranthene	3000		1	41.1	310	ug/Kg	10/29/25 18:15	PB170215
50-32-8	Benzo(a)pyrene	3100		1	54.1	310	ug/Kg	10/29/25 18:15	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	3000		1	53.4	310	ug/Kg	10/29/25 18:15	PB170215
53-70-3	Dibenzo(a,h)anthracene	3000		1	50.3	310	ug/Kg	10/29/25 18:15	PB170215
191-24-2	Benzo(g,h,i)perylene	3000		1	47.2	310	ug/Kg	10/29/25 18:15	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	3400		1	47.0	310	ug/Kg	10/29/25 18:15	PB170215
123-91-1	1,4-Dioxane	2300		1	83.0	310	ug/Kg	10/29/25 18:15	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	3600		1	50.3	310	ug/Kg	10/29/25 18:15	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	92.9			18 - 112	62%	SPK: 150		
13127-88-3	Phenol-d6	92.6			15 - 107	62%	SPK: 150		
4165-60-0	Nitrobenzene-d5	74.9			18 - 107	75%	SPK: 100		
321-60-8	2-Fluorobiphenyl	58.4			20 - 109	58%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	118			10 - 116	79%	SPK: 150		
1718-51-0	Terphenyl-d14	57.1			10 - 105	57%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	31800							
1146-65-2	Naphthalene-d8	125000							
15067-26-2	Acenaphthene-d10	95000							
1517-22-2	Phenanthrene-d10	231000							
1719-03-5	Chrysene-d12	282000							
1520-96-3	Perylene-d12	309000							

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

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MSD	SDG No.:	Q3395
Lab Sample ID:	Q3419-03MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

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

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 17:30:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF144056.D 5 =BF144057.D 10 =BF144058.D 20 =BF144059.D 40 =BF144060.D 50 =BF144061.D 60 =BF144064.D 80 =BF1440
63.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.723	0.494	0.485	0.550	0.519	0.572	0.481	0.546	15.58
3)		Pyridine		1.395	1.384	1.530	1.527	1.427	1.604	1.370	1.462	6.19
4)		n-Nitrosodimet...			0.805	0.963	0.912	0.835	1.017	0.860	0.899	8.98
5)	S	2-Fluorophenol		1.324	1.322	1.328	1.303	1.163	1.322	1.087	1.264	7.76
6)		Aniline		2.173	2.152	2.106	2.016	1.809	2.050	1.675	1.997	9.36
7)	S	Phenol-d6		1.548	1.443	1.481	1.408	1.289	1.412	1.193	1.396	8.56
8)		2-Chlorophenol		1.398	1.310	1.306	1.251	1.124	1.258	1.067	1.245	9.17
9)		Benzaldehyde			1.093	0.965	1.043	0.959	1.406	1.039	1.084	15.28
10)	C	Phenol		1.896	1.860	1.820	1.736	1.575	1.725	1.445	1.722	9.41
11)		bis(2-Chloroet...		1.406	1.278	1.285	1.248	1.128	1.285	1.082	1.245	8.72
12)		1,3-Dichlorobe...		1.681	1.582	1.640	1.565	1.415	1.566	1.300	1.536	8.66
13)	C	1,4-Dichlorobe...		1.645	1.567	1.592	1.551	1.371	1.575	1.295	1.513	8.52
14)		1,2-Dichlorobe...		1.588	1.548	1.534	1.480	1.355	1.520	1.225	1.464	8.81
15)		Benzyl Alcohol			1.129	1.234	1.145	1.056	1.222	1.025	1.135	7.47
16)		2,2'-oxybis(1-...		2.561	2.432	2.505	2.376	2.149	2.313	2.038	2.339	8.08
17)		2-Methylphenol		1.052	1.010	1.032	0.931	0.874	0.981	0.823	0.957	8.89
18)		Hexachloroethane		0.553	0.544	0.569	0.544	0.506	0.595	0.477	0.541	7.21
19)	P	n-Nitroso-di-n...	0.900	0.971	0.972	0.949	0.876	0.801	0.943	0.809	0.903	7.60
20)		3+4-Methylphenols			1.270	1.190	1.167	1.036	1.159	0.969	1.132	9.69
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.473	0.459	0.433	0.437	0.397	0.456	0.371	0.432	8.41
23)	S	Nitrobenzene-d5		0.377	0.378	0.374	0.368	0.335	0.393	0.330	0.365	6.48
24)		Nitrobenzene		0.395	0.384	0.404	0.392	0.360	0.417	0.351	0.386	6.05
25)		Isophorone		0.665	0.662	0.645	0.643	0.584	0.686	0.582	0.638	6.29
26)	C	2-Nitrophenol		0.190	0.184	0.196	0.191	0.167	0.194	0.165	0.184	6.96
27)		2,4-Dimethylph...		0.289	0.279	0.262	0.287	0.254	0.293	0.247	0.273	6.73
28)		bis(2-Chloroet...		0.430	0.408	0.413	0.404	0.365	0.416	0.351	0.398	7.25
29)	C	2,4-Dichloroph...		0.334	0.345	0.325	0.323	0.293	0.328	0.275	0.317	7.75
30)		1,2,4-Trichlor...		0.344	0.339	0.334	0.335	0.301	0.348	0.286	0.327	7.19
31)		Naphthalene		1.054	1.002	0.962	0.965	0.852	0.983	0.788	0.944	9.72
32)		Benzoic acid			0.217	0.200	0.146	0.147	0.168	0.162	0.173	16.81
33)		4-Chloroaniline		0.332	0.356	0.349	0.336	0.298	0.344	0.286	0.329	8.10
34)	C	Hexachlorobuta...		0.279	0.276	0.274	0.270	0.241	0.296	0.234	0.267	8.19
35)		Caprolactam			0.078	0.082	0.085	0.072	0.086	0.075	0.080	7.03
36)	C	4-Chloro-3-met...		0.302	0.289	0.285	0.282	0.257	0.296	0.250	0.280	6.98
37)		2-Methylnaphth...		0.718	0.654	0.631	0.644	0.549	0.637	0.524	0.622	10.55
38)		1-Methylnaphth...		0.685	0.627	0.591	0.591	0.524	0.611	0.499	0.590	10.60

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF102425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.777	0.707	0.693	0.707	0.629	0.716	0.583	0.687	9.17
41)	P	Hexachlorocycl...		0.148	0.208	0.218	0.205	0.273	0.222	0.212	18.88
42)	S	2,4,6-Tribromo...	0.251	0.249	0.256	0.262	0.241	0.289	0.236	0.255	6.77
43)	C	2,4,6-Trichlor...	0.430	0.447	0.480	0.473	0.427	0.485	0.386	0.447	7.98
44)		2,4,5-Trichlor...	0.488	0.485	0.484	0.467	0.427	0.511	0.419	0.469	7.19
45)	S	2-Fluorobiphenyl	1.654	1.503	1.411	1.451	1.291	1.473	1.164	1.421	11.04
46)		1,1'-Biphenyl	1.613	1.532	1.441	1.472	1.317	1.470	1.176	1.432	10.09
47)		2-Chloronaphth...	1.336	1.264	1.233	1.222	1.101	1.250	0.989	1.199	9.68
48)		2-Nitroaniline	0.325	0.359	0.368	0.380	0.333	0.399	0.328	0.356	8.00
49)		Acenaphthylene	1.780	1.693	1.664	1.703	1.476	1.668	1.337	1.617	9.54
50)		Dimethylphthalate	1.398	1.328	1.332	1.366	1.219	1.387	1.146	1.311	7.15
51)		2,6-Dinitrotol...	0.228	0.257	0.275	0.276	0.252	0.288	0.240	0.259	8.31
52)	C	Acenaphthene	1.125	1.153	1.134	1.114	0.999	1.122	0.914	1.080	8.21
53)		3-Nitroaniline	0.276	0.294	0.293	0.322	0.281	0.301	0.250	0.288	7.79
54)	P	2,4-Dinitrophenol		0.161	0.162	0.124	0.116	0.139	0.140	0.140	13.44
55)		Dibenzofuran	1.685	1.572	1.512	1.559	1.391	1.535	1.242	1.499	9.55
56)	P	4-Nitrophenol		0.224	0.199	0.187	0.175	0.202	0.184	0.195	8.90
57)		2,4-Dinitrotol...	0.302	0.343	0.370	0.385	0.336	0.390	0.323	0.350	9.44
58)		Fluorene	1.359	1.169	1.133	1.188	1.041	1.162	0.945	1.143	11.27
59)		2,3,4,6-Tetrac...	0.317	0.318	0.333	0.360	0.322	0.366	0.297	0.330	7.53
60)		Diethylphthalate	1.286	1.264	1.244	1.290	1.145	1.318	1.083	1.233	6.98
61)		4-Chlorophenyl...	0.706	0.667	0.656	0.675	0.591	0.674	0.529	0.643	9.49
62)		4-Nitroaniline	0.262	0.266	0.275	0.296	0.260	0.299	0.253	0.273	6.70
63)		Azobenzene	1.192	1.178	1.187	1.236	1.103	1.253	1.020	1.167	6.91
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.133	0.151	0.123	0.115	0.132	0.116	0.128	10.63
66)	c	n-Nitrosodiphe...	0.716	0.666	0.657	0.643	0.590	0.659	0.542	0.639	8.82
67)		4-Bromophenyl-...	0.274	0.256	0.247	0.260	0.230	0.270	0.215	0.250	8.52
68)		Hexachlorobenzene	0.311	0.338	0.309	0.321	0.275	0.328	0.268	0.307	8.59
69)		Atrazine	0.229	0.223	0.218	0.208	0.185	0.235	0.169	0.210	11.52
70)	C	Pentachlorophenol		0.123	0.149	0.150	0.143	0.168	0.144	0.146	9.94
71)		Phenanthrene	1.073	1.040	1.009	1.017	0.918	1.043	0.854	0.994	7.89
72)		Anthracene	1.171	1.077	1.029	1.053	0.932	1.065	0.857	1.026	10.01
73)		Carbazole	0.943	0.920	0.883	0.905	0.818	0.907	0.737	0.874	8.20
74)		Di-n-butylphth...	1.090	1.091	1.116	1.118	1.002	1.135	0.945	1.071	6.58
75)	C	Fluoranthene	1.171	1.151	1.121	1.123	0.997	1.167	0.954	1.098	7.88
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.689	0.614	0.665	0.513	0.787	0.466	0.622	18.99
78)		Pyrene	1.603	1.466	1.426	1.521	1.295	1.519	1.236	1.438	9.08
79)	S	Terphenyl-d14	1.280	1.134	1.121	1.212	1.002	1.241	1.018	1.144	9.39
80)		Butylbenzylpht...	0.508	0.542	0.566	0.601	0.494	0.595	0.501	0.544	8.25
81)		Benzo(a)anthra...	1.341	1.322	1.359	1.516	1.206	1.492	1.226	1.352	8.79
82)		3,3'-Dichlorob...		0.469	0.485	0.510	0.404	0.529	0.427	0.470	10.21
83)		Chrysene	1.330	1.263	1.253	1.319	1.179	1.366	1.170	1.268	5.93
84)		Bis(2-ethylhex...	0.745	0.725	0.761	0.795	0.690	0.813	0.670	0.743	7.01
85)	c	Di-n-octyl pht...		1.228	1.295	1.399	1.179	1.382	1.180	1.277	7.65

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF102425.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.351	1.331	1.394	1.477	1.295	1.501	1.263	1.373	6.53
88)		Benzo(b)fluora...	1.134	1.108	1.153	1.264	1.055	1.151	1.050	1.131	6.39
89)		Benzo(k)fluora...	1.206	1.077	1.010	1.059	0.906	1.157	0.886	1.043	11.44
90)	C	Benzo(a)pyrene	1.049	0.990	1.036	1.089	0.942	1.086	0.909	1.014	6.88
91)		Dibenzo(a,h)an...	1.058	1.061	1.107	1.166	1.024	1.195	0.997	1.087	6.72
92)		Benzo(g,h,i)pe...	1.051	1.051	1.124	1.195	1.023	1.192	1.015	1.093	7.08

(#) = Out of Range

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 16:40:26 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064569.D 5 =BG064570.D 10 =BG064571.D 20 =BG064572.D 40 =BG064573.D 50 =BG064576.D 60 =BG064574.D 80 =BG0645
75.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.570	0.581	0.524	0.525	0.474	0.559	0.460	0.528	8.85
3)		Pyridine		1.630	1.608	1.552	1.669	1.471	1.733	1.427	1.584	6.84
4)		n-Nitrosodimet...			0.912	0.807	0.900	0.780	0.921	0.776	0.850	8.08
5)	S	2-Fluorophenol		1.098	1.207	1.155	1.292	1.139	1.318	1.132	1.192	7.09
6)		Aniline		2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28
7)	S	Phenol-d6		1.469	1.654	1.566	1.771	1.597	1.864	1.524	1.635	8.55
8)		2-Chlorophenol		1.051	1.207	1.197	1.373	1.225	1.461	1.216	1.247	10.65
9)		Benzaldehyde			0.942	0.994	0.940	0.836	0.981	0.662	0.893	14.09
10)	C	Phenol		1.665	1.820	1.748	1.944	1.761	2.027	1.693	1.808	7.36
11)		bis(2-Chloroet...		2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28
12)		1,3-Dichlorobe...		1.435	1.516	1.394	1.520	1.342	1.542	1.299	1.435	6.62
13)	C	1,4-Dichlorobe...		1.431	1.546	1.442	1.534	1.381	1.561	1.323	1.460	6.21
14)		1,2-Dichlorobe...		1.371	1.518	1.364	1.483	1.316	1.520	1.283	1.408	6.97
15)		Benzyl Alcohol			1.281	1.263	1.425	1.306	1.533	1.283	1.348	7.97
16)		2,2'-oxybis(1-...		3.421	3.604	3.396	3.733	3.301	3.802	3.154	3.487	6.74
17)		2-Methylphenol		0.548	0.670	0.646	0.745	0.677	0.793	0.638	0.674	11.71
18)		Hexachloroethane		0.468	0.535	0.505	0.541	0.496	0.557	0.483	0.512	6.41
19)	P	n-Nitroso-di-n...	1.044	1.038	1.141	1.129	1.227	1.115	1.289	1.057	1.130	7.93
20)		3+4-Methylphenols			1.652	1.581	1.818	1.612	1.895	1.571	1.688	8.04
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.535	0.565	0.528	0.584	0.516	0.590	0.509	0.547	6.04
23)	S	Nitrobenzene-d5		0.239	0.286	0.314	0.377	0.356	0.403	0.356	0.333	17.02
24)		Nitrobenzene		0.274	0.312	0.344	0.410	0.377	0.438	0.380	0.362	15.64
25)		Isophorone		0.751	0.796	0.771	0.869	0.764	0.891	0.751	0.799	7.25
26)	C	2-Nitrophenol		0.076	0.095	0.110	0.137	0.135	0.152	0.144	0.121	23.20
27)		2,4-Dimethylph...		0.236	0.294	0.285	0.335	0.309	0.359	0.303	0.303	12.88
28)		bis(2-Chloroet...		0.452	0.464	0.443	0.490	0.426	0.493	0.417	0.455	6.48
29)	C	2,4-Dichloroph...		0.243	0.299	0.315	0.360	0.327	0.373	0.322	0.320	13.34
30)		1,2,4-Trichlor...		0.338	0.369	0.348	0.391	0.349	0.399	0.349	0.363	6.44
31)		Naphthalene		1.083	1.144	1.084	1.177	1.036	1.201	1.037	1.109	5.96
32)		Benzoic acid			0.100	0.143	0.204	0.215	0.245	0.229	0.189	29.61
33)		4-Chloroaniline		0.390	0.456	0.411	0.459	0.410	0.486	0.405	0.431	8.29
34)	C	Hexachlorobuta...		0.266	0.291	0.282	0.299	0.271	0.306	0.273	0.284	5.33
35)		Caprolactam			0.112	0.114	0.134	0.118	0.142	0.116	0.123	9.85
36)	C	4-Chloro-3-met...		0.323	0.381	0.361	0.426	0.376	0.454	0.370	0.384	11.18
37)		2-Methylnaphth...		0.764	0.858	0.797	0.865	0.772	0.888	0.755	0.814	6.74
38)		1-Methylnaphth...		0.764	0.849	0.776	0.853	0.752	0.878	0.735	0.801	7.18

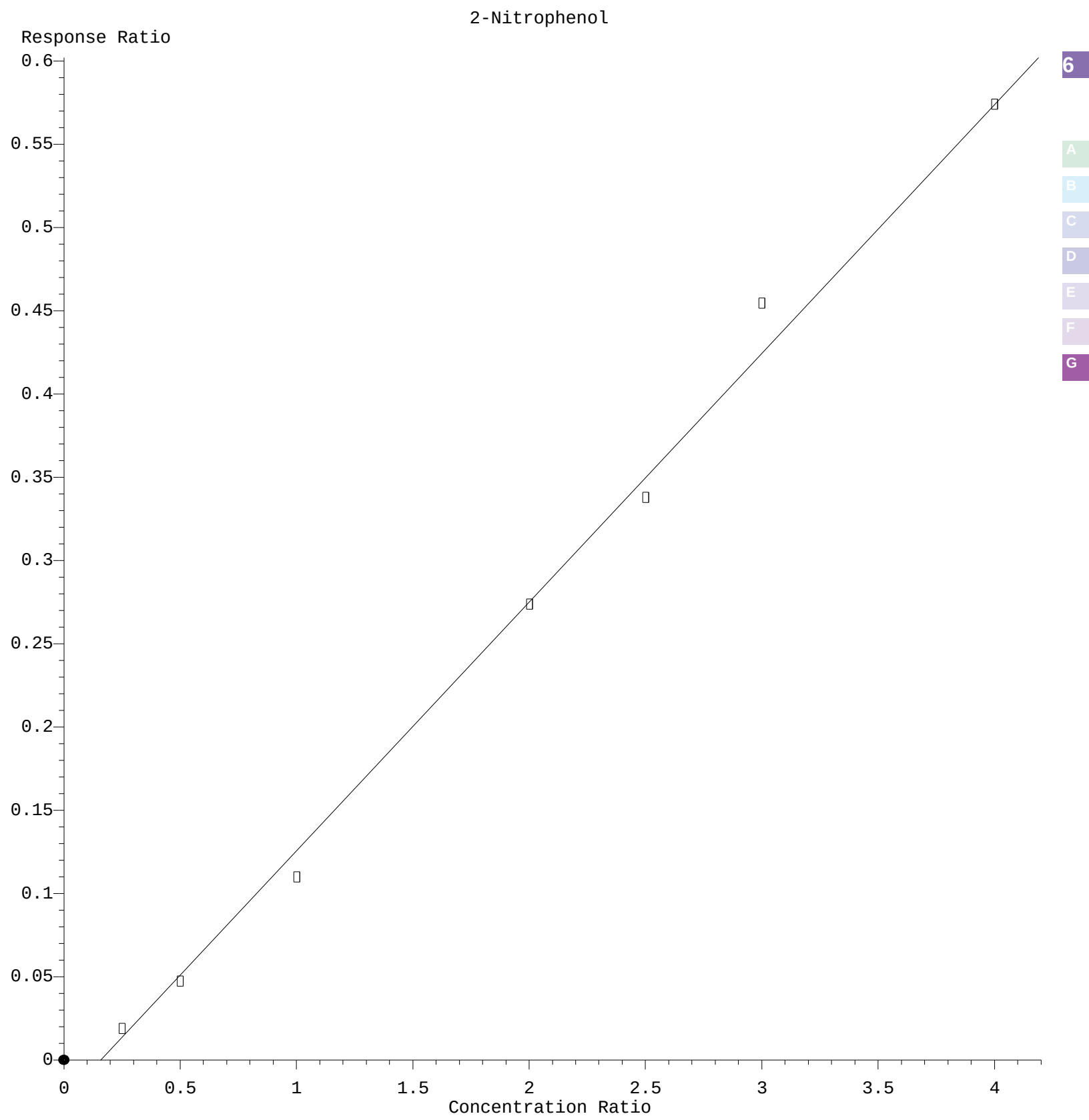
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.657	0.684	0.648	0.702	0.633	0.717	0.657	0.671	4.55
41)	P	Hexachlorocycl...		0.268	0.279	0.324	0.297	0.340	0.305	0.302	8.97
42)	S	2,4,6-Tribromo...	0.221	0.266	0.272	0.318	0.292	0.346	0.306	0.289	14.04
43)	C	2,4,6-Trichlor...	0.294	0.333	0.375	0.423	0.399	0.456	0.408	0.384	14.41
44)		2,4,5-Trichlor...	0.339	0.425	0.439	0.484	0.443	0.517	0.454	0.443	12.48
45)	S	2-Fluorobiphenyl	1.310	1.389	1.306	1.384	1.235	1.384	1.228	1.319	5.24
46)		1,1'-Biphenyl	1.456	1.450	1.401	1.489	1.326	1.498	1.333	1.422	4.98
47)		2-Chloronaphth...	1.065	1.082	1.053	1.132	1.013	1.145	1.023	1.073	4.71
48)		2-Nitroaniline	0.201	0.234	0.277	0.348	0.343	0.404	0.367	0.311	24.06
49)		Acenaphthylene	1.667	1.726	1.647	1.786	1.593	1.827	1.604	1.693	5.30
50)		Dimethylphthalate	1.389	1.570	1.488	1.641	1.462	1.699	1.462	1.530	7.21
51)		2,6-Dinitrotol...	0.127	0.180	0.193	0.247	0.244	0.283	0.254	0.218	24.69
52)	C	Acenaphthene	1.126	1.178	1.115	1.223	1.093	1.261	1.101	1.157	5.63
53)		3-Nitroaniline	0.180	0.211	0.252	0.294	0.281	0.325	0.297	0.263	19.70
54)	P	2,4-Dinitrophenol		0.086	0.110	0.137	0.139	0.165	0.154	0.132	22.11
55)		Dibenzofuran	1.881	1.972	1.826	1.963	1.734	1.988	1.725	1.870	5.96
56)	P	4-Nitrophenol		0.191	0.213	0.261	0.250	0.283	0.267	0.244	14.40
57)		2,4-Dinitrotol...	0.223	0.269	0.300	0.385	0.373	0.434	0.396	0.340	22.67
58)		Fluorene	1.471	1.559	1.426	1.531	1.356	1.549	1.329	1.460	6.38
59)		2,3,4,6-Tetrac...	0.312	0.385	0.402	0.466	0.444	0.508	0.449	0.424	15.04
60)		Diethylphthalate	1.417	1.645	1.514	1.657	1.486	1.718	1.502	1.563	7.06
61)		4-Chlorophenyl...	0.800	0.864	0.792	0.866	0.763	0.888	0.763	0.820	6.38
62)		4-Nitroaniline	0.194	0.252	0.286	0.327	0.310	0.355	0.324	0.293	18.55
63)		Azobenzene	1.362	1.504	1.377	1.538	1.338	1.564	1.353	1.434	6.80
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.055	0.064	0.083	0.083	0.097	0.093	0.079	21.00
66)	c	n-Nitrosodiphe...	0.510	0.551	0.525	0.583	0.518	0.594	0.500	0.540	6.79
67)		4-Bromophenyl-...	0.218	0.236	0.230	0.258	0.229	0.264	0.224	0.237	7.28
68)		Hexachlorobenzene	0.254	0.266	0.262	0.292	0.260	0.302	0.256	0.270	6.99
69)		Atrazine	0.215	0.227	0.249	0.245	0.219	0.261	0.211	0.232	8.27
70)	C	Pentachlorophenol		0.132	0.152	0.180	0.172	0.199	0.177	0.169	13.91
71)		Phenanthrene	1.084	1.133	1.073	1.162	1.020	1.179	1.005	1.094	6.17
72)		Anthracene	1.087	1.144	1.101	1.187	1.041	1.204	1.025	1.113	6.17
73)		Carbazole	0.982	1.037	0.982	1.031	0.910	1.028	0.897	0.981	5.90
74)		Di-n-butylphth...	1.011	1.156	1.179	1.240	1.084	1.198	1.075	1.134	7.11
75)	C	Fluoranthene	1.385	1.463	1.380	1.440	1.273	1.403	1.247	1.370	5.91
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.392	0.475	0.490	0.416	0.533	0.383	0.448	13.40
78)		Pyrene	1.287	1.331	1.284	1.411	1.233	1.406	1.196	1.307	6.24
79)	S	Terphenyl-d14	1.074	1.120	1.066	1.142	0.987	1.102	0.928	1.060	7.21
80)		Butylbenzylpht...	0.284	0.359	0.388	0.450	0.408	0.467	0.410	0.395	15.43
81)		Benzo(a)anthra...	1.294	1.355	1.292	1.416	1.253	1.430	1.243	1.326	5.71
82)		3,3'-Dichlorob...		0.418	0.428	0.477	0.424	0.486	0.424	0.443	6.88
83)		Chrysene	1.249	1.291	1.229	1.344	1.188	1.359	1.173	1.262	5.76
84)		Bis(2-ethylhex...	0.484	0.555	0.581	0.671	0.585	0.667	0.588	0.590	10.95
85)	c	Di-n-octyl pht...		0.871	0.932	1.087	0.976	1.117	0.986	0.995	9.32

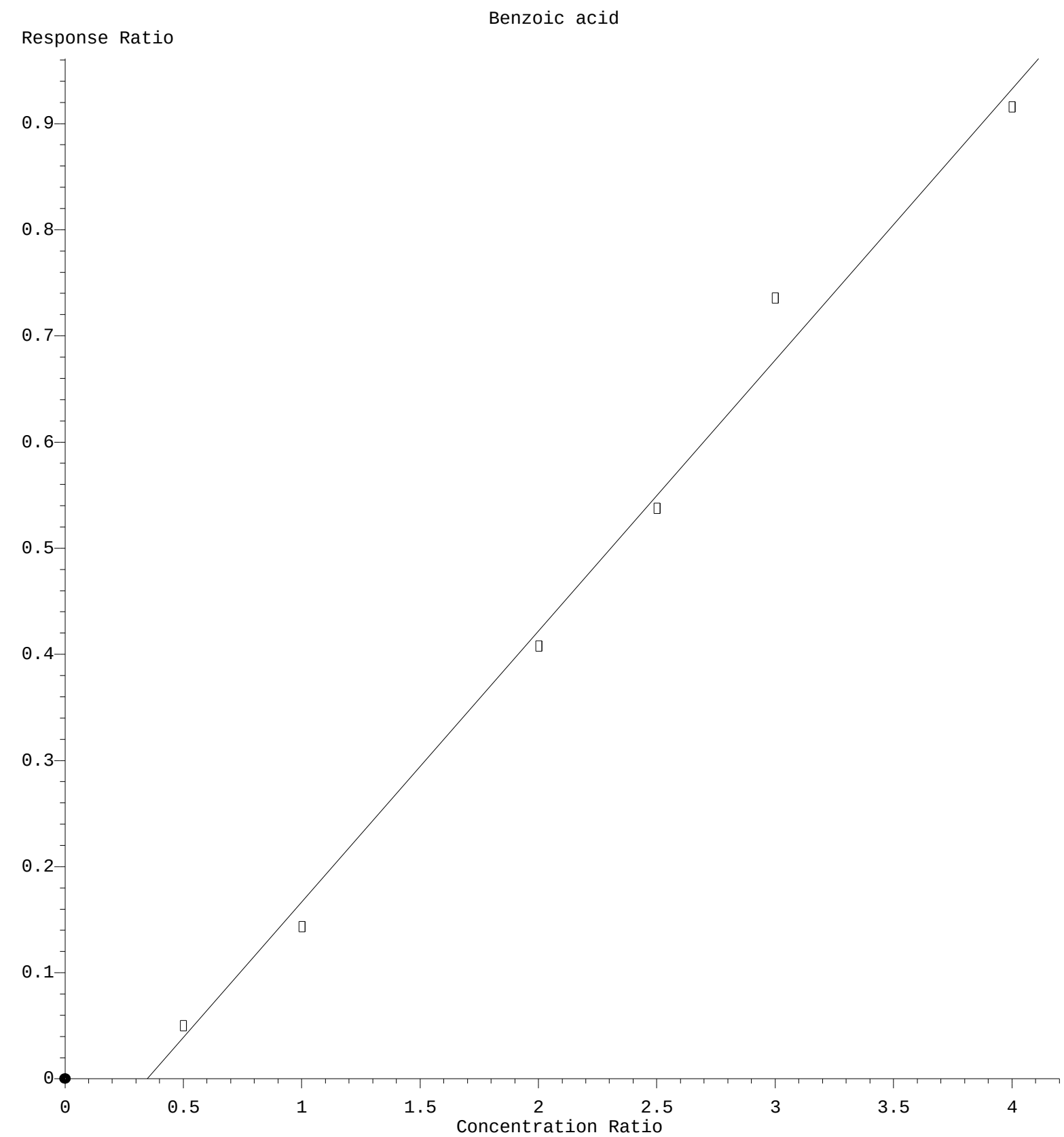
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.383	1.491	1.410	1.568	1.396	1.642	1.410	1.471	6.80
88)		Benzo(b)fluora...	1.138	1.246	1.169	1.322	1.173	1.353	1.183	1.226	6.77
89)		Benzo(k)fluora...	1.175	1.260	1.206	1.285	1.151	1.364	1.149	1.227	6.51
90)	C	Benzo(a)pyrene	1.061	1.144	1.093	1.202	1.067	1.246	1.079	1.127	6.42
91)		Dibenzo(a,h)an...	1.120	1.223	1.158	1.268	1.130	1.324	1.143	1.195	6.55
92)		Benzo(g,h,i)pe...	1.383	1.491	1.410	1.568	1.396	1.642	1.410	1.471	6.80

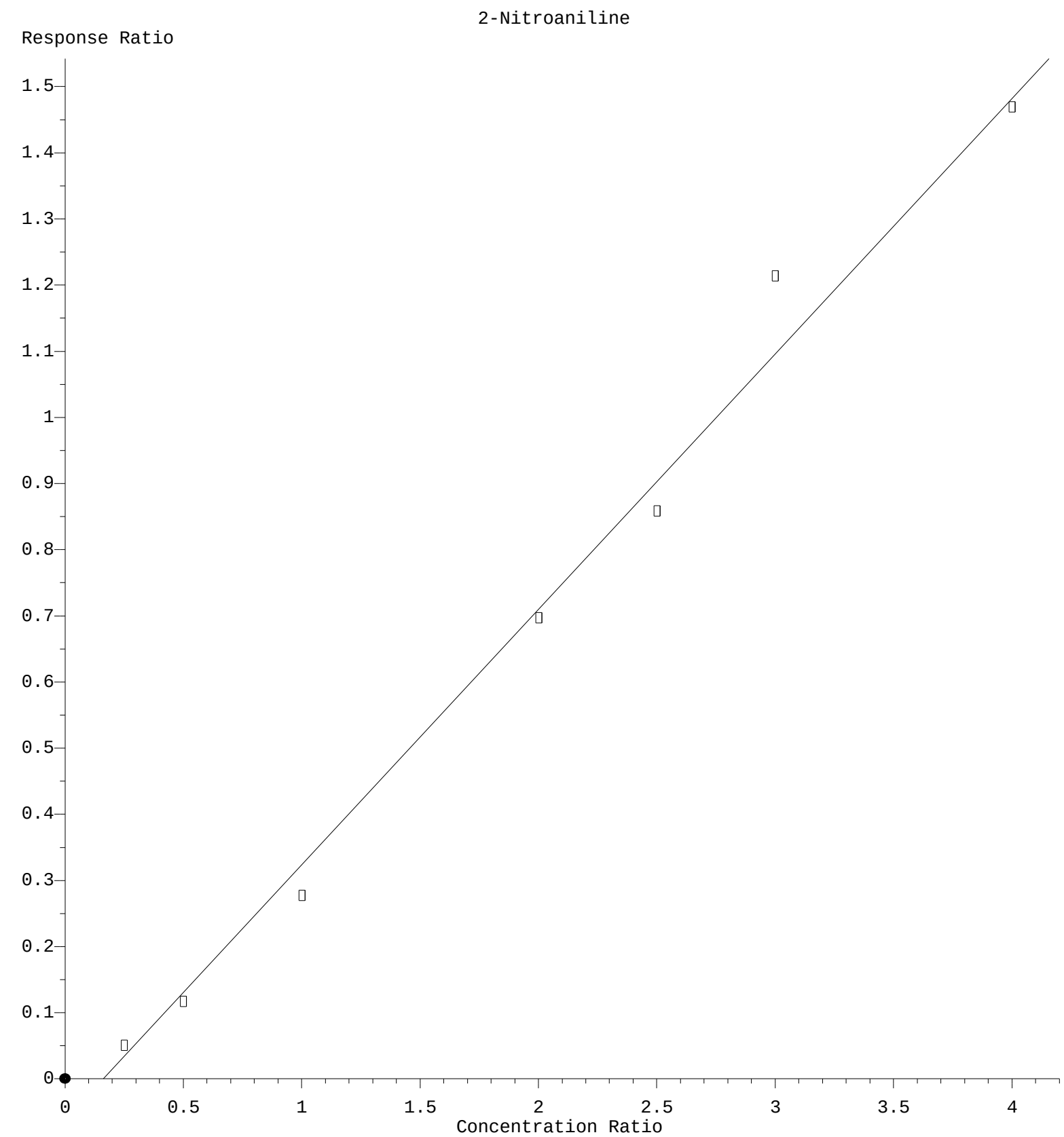
(#) = Out of Range



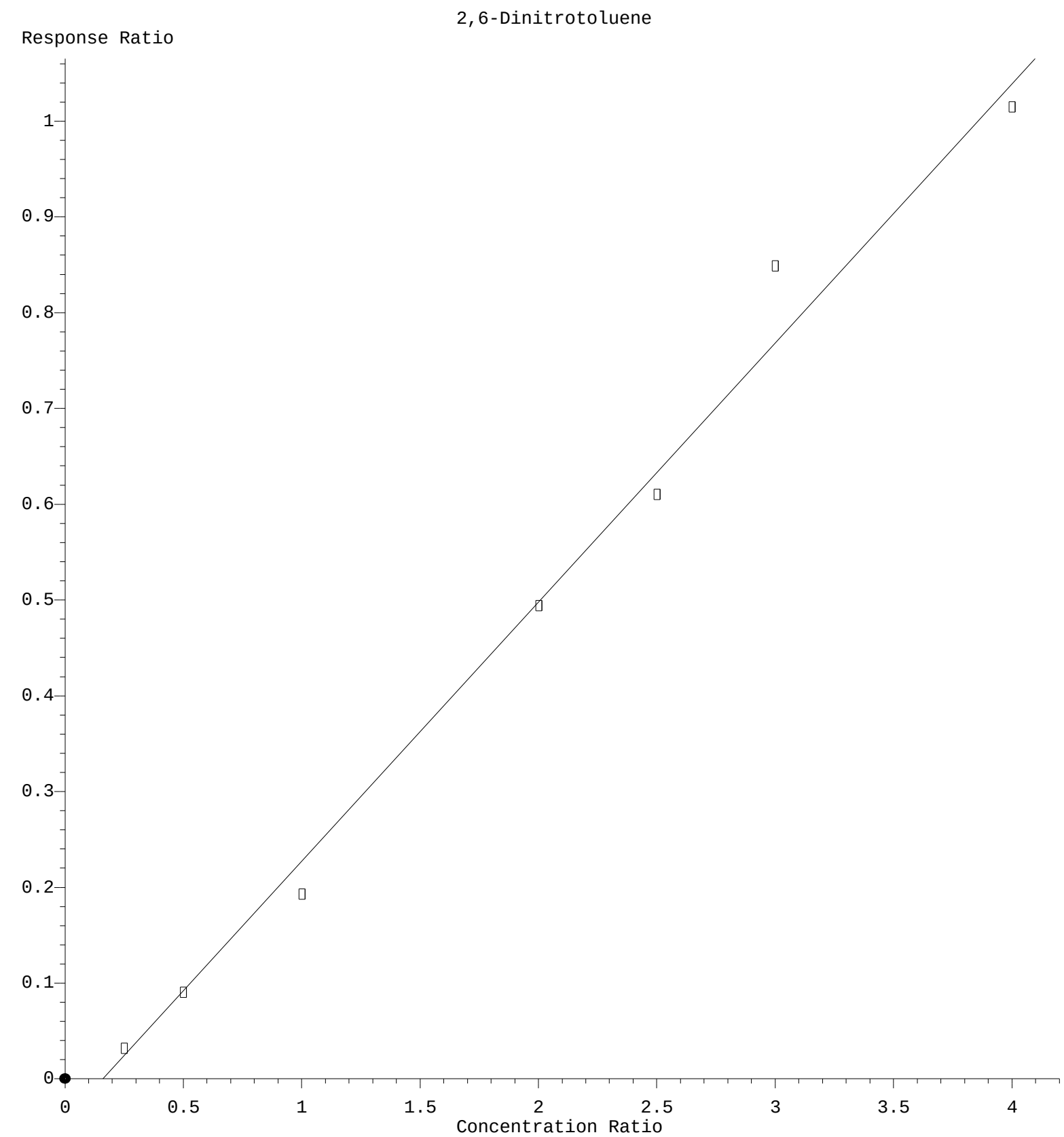
Response = 1.495e-001 * Amt - 2.340e-002
Coef of Det (r^2) = 0.995585 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270_BS102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



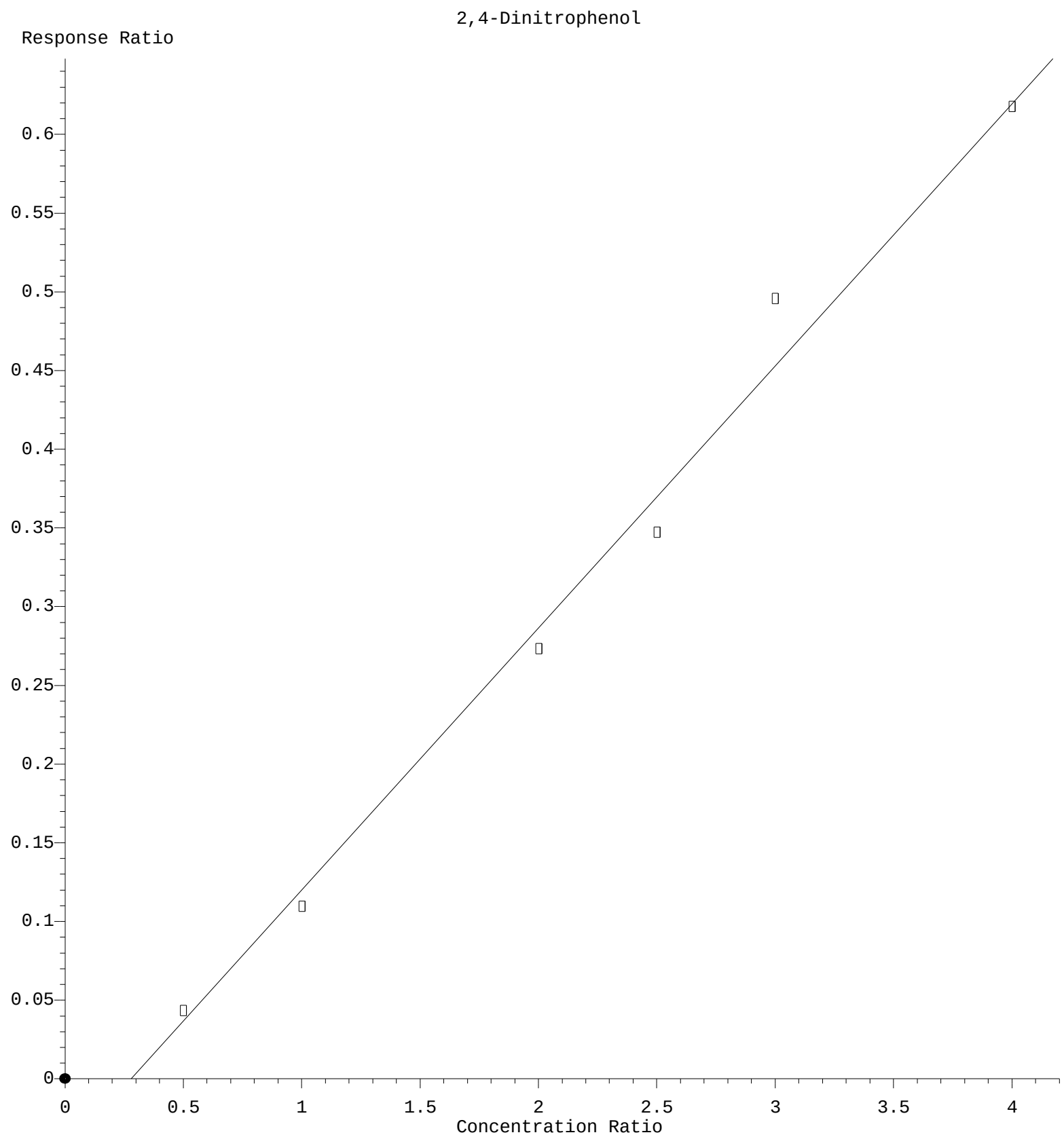
Response = 2.554e-001 * Amt - 8.844e-002
Coef of Det (r^2) = 0.993384 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270_BS102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



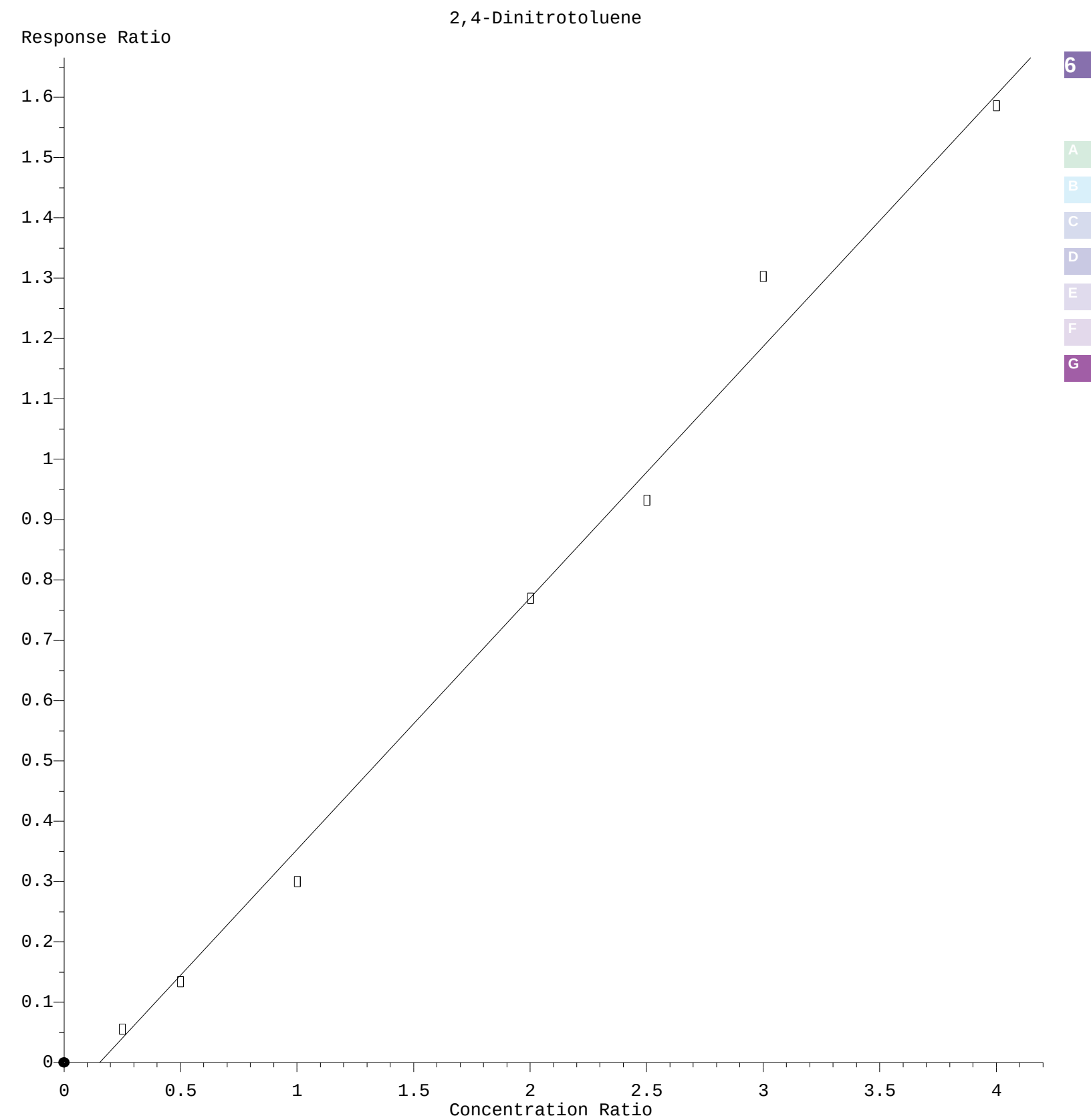
Response = 3.863e-001 * Amt - 6.228e-002
Coef of Det (r^2) = 0.991893 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270_BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



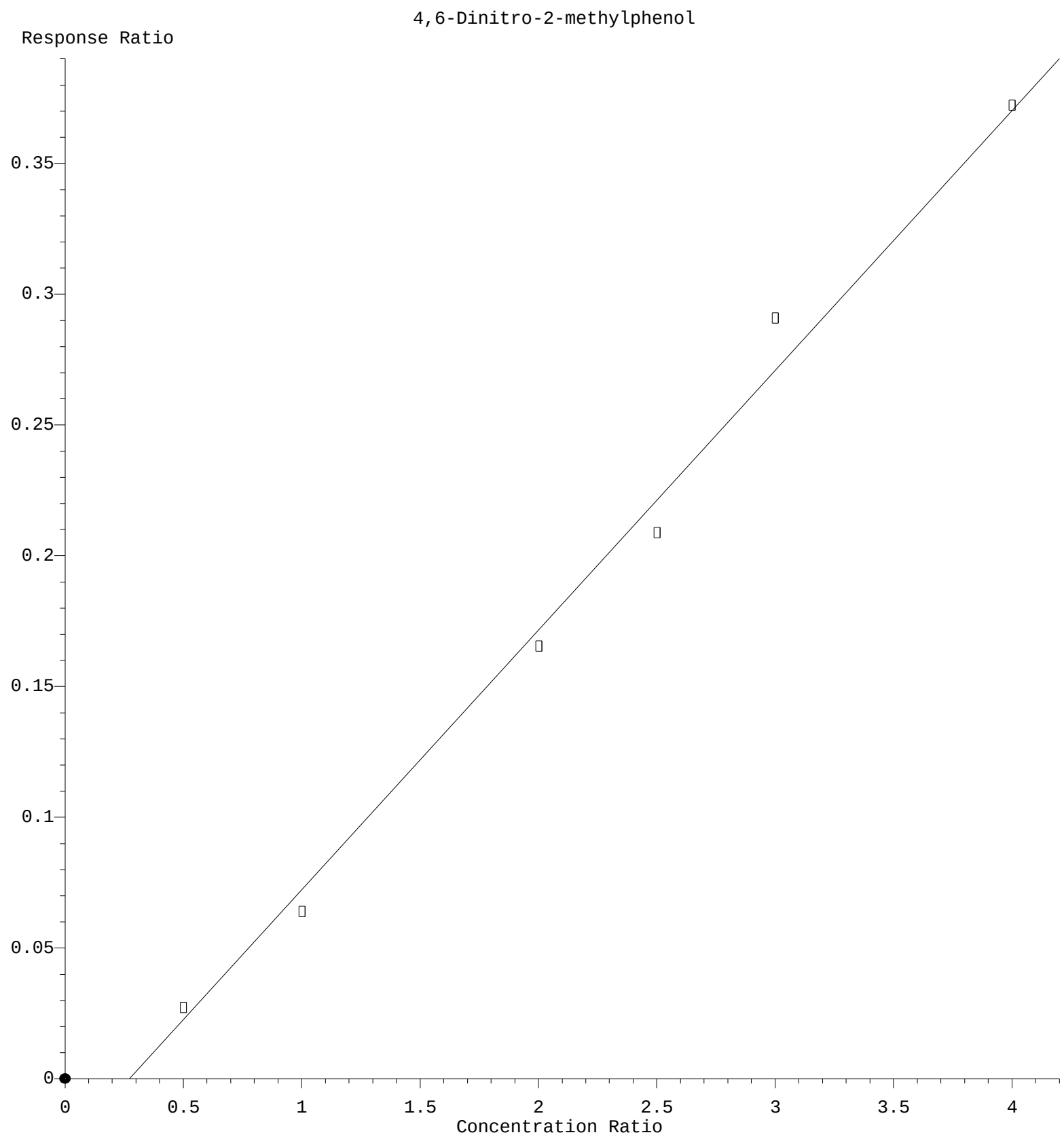
Response = 2.705e-001 * Amt - 4.319e-002
Coef of Det (r^2) = 0.992850 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270_BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



Response = 1.666e-001 * Amt - 4.640e-002
Coef of Det (r^2) = 0.992196 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270_BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



Response = 4.169e-001 * Amt - 6.360e-002
Coef of Det (r^2) = 0.992833 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270_BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



Response = 9.922e-002 * Amt - 2.692e-002
Coef of Det (r^2) = 0.993360 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270_BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3395

Instrument ID: BNA_F Calibration Date/Time: 10/27/2025 10:27

Lab File ID: BF144074.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:13 16:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.380		9.2	
Benzaldehyde	1.084	1.063		-1.9	
Phenol-d6	1.396	1.515		8.5	
Phenol	1.722	1.833		6.4	20.0
bis(2-Chloroethyl)ether	1.245	1.349		8.4	
2-Chlorophenol	1.245	1.332		7.0	
2-Methylphenol	0.957	1.041		8.8	
2,2-oxybis(1-Chloropropane)	2.339	2.496		6.7	
Acetophenone	0.432	0.456		5.6	
3+4-Methylphenols	1.132	1.219		7.7	
n-Nitroso-di-n-propylamine	0.903	0.952	0.050	5.4	
Nitrobenzene-d5	0.365	0.385		5.5	
Hexachloroethane	0.541	0.579		7.0	
Nitrobenzene	0.386	0.407		5.4	
Isophorone	0.638	0.683		7.1	
2-Nitrophenol	0.184	0.199		8.2	20.0
2,4-Dimethylphenol	0.273	0.309		13.2	
bis(2-Chloroethoxy)methane	0.398	0.425		6.8	
2,4-Dichlorophenol	0.317	0.336		6.0	20.0
Naphthalene	0.944	0.998		5.7	
4-Chloroaniline	0.329	0.363		10.3	
Hexachlorobutadiene	0.267	0.273		2.2	20.0
Caprolactam	0.080	0.087		8.8	
4-Chloro-3-methylphenol	0.280	0.302		7.9	20.0
2-Methylnaphthalene	0.622	0.664		6.8	
Hexachlorocyclopentadiene	0.212	0.233	0.050	9.9	
2,4,6-Trichlorophenol	0.447	0.457		2.2	20.0
2-Fluorobiphenyl	1.421	1.420		-0.1	
2,4,5-Trichlorophenol	0.469	0.499		6.4	
1,1-Biphenyl	1.432	1.433		0.1	
2-Chloronaphthalene	1.199	1.226		2.2	
2-Nitroaniline	0.356	0.384		7.9	
Dimethylphthalate	1.311	1.344		2.5	
Acenaphthylene	1.617	1.654		2.3	
2,6-Dinitrotoluene	0.259	0.282		8.9	
3-Nitroaniline	0.288	0.296		2.8	
Acenaphthene	1.080	1.105		2.3	20.0
2,4-Dinitrophenol	0.140	0.137	0.050	-2.1	
4-Nitrophenol	0.195	0.203	0.050	4.1	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3395

Instrument ID: BNA_F Calibration Date/Time: 10/27/2025 10:27

Lab File ID: BF144074.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:13 16:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.499	1.549		3.3	
2,4-Dinitrotoluene	0.350	0.367		4.9	
Diethylphthalate	1.233	1.247		1.1	
4-Chlorophenyl-phenylether	0.643	0.665		3.4	
Fluorene	1.143	1.167		2.1	
4-Nitroaniline	0.273	0.281		2.9	
4,6-Dinitro-2-methylphenol	0.128	0.134		4.7	
n-Nitrosodiphenylamine	0.639	0.685		7.2	20.0
2,4,6-Tribromophenol	0.255	0.270		5.9	
4-Bromophenyl-phenylether	0.250	0.275		10.0	
Hexachlorobenzene	0.307	0.333		8.5	
Atrazine	0.210	0.202		-3.8	
Pentachlorophenol	0.146	0.160		9.6	20.0
Phenanthrene	0.994	1.034		4.0	
Anthracene	1.026	1.032		0.6	
Carbazole	0.874	0.880		0.7	
Di-n-butylphthalate	1.071	1.039		-3.0	
Fluoranthene	1.098	1.041		-5.2	20.0
Pyrene	1.438	1.685		17.2	
Terphenyl-d14	1.144	1.306		14.2	
Butylbenzylphthalate	0.544	0.551		1.3	
3,3-Dichlorobenzidine	0.470	0.505		7.4	
Benzo(a)anthracene	1.352	1.462		8.1	
Chrysene	1.268	1.310		3.3	
Bis(2-ethylhexyl)phthalate	0.743	0.742		-0.1	
Di-n-octyl phthalate	1.277	1.328		4.0	20.0
Benzo(b)fluoranthene	1.131	1.120		-1.0	
Benzo(k)fluoranthene	1.043	1.032		-1.1	
Benzo(a)pyrene	1.014	1.060		4.5	20.0
Indeno(1,2,3-cd)pyrene	1.373	1.510		10.0	
Dibenzo(a,h)anthracene	1.087	1.187		9.2	
Benzo(g,h,i)perylene	1.093	1.200		9.8	
1,2,4,5-Tetrachlorobenzene	0.687	0.712		3.6	
1,4-Dioxane	0.546	0.545		-0.2	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.362		9.7	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3395

Instrument ID: BNA_F Calibration Date/Time: 10/28/2025 13:17

Lab File ID: BF144097.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:13 16:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.303		3.1	
Benzaldehyde	1.084	1.105		1.9	
Phenol-d6	1.396	1.466		5.0	
Phenol	1.722	1.775		3.1	20.0
bis(2-Chloroethyl)ether	1.245	1.329		6.7	
2-Chlorophenol	1.245	1.300		4.4	
2-Methylphenol	0.957	1.028		7.4	
2,2-oxybis(1-Chloropropane)	2.339	2.513		7.4	
Acetophenone	0.432	0.450		4.2	
3+4-Methylphenols	1.132	1.216		7.4	
n-Nitroso-di-n-propylamine	0.903	1.004	0.050	11.2	
Nitrobenzene-d5	0.365	0.371		1.6	
Hexachloroethane	0.541	0.558		3.1	
Nitrobenzene	0.386	0.408		5.7	
Isophorone	0.638	0.714		11.9	
2-Nitrophenol	0.184	0.203		10.3	20.0
2,4-Dimethylphenol	0.273	0.303		11.0	
bis(2-Chloroethoxy)methane	0.398	0.444		11.6	
2,4-Dichlorophenol	0.317	0.338		6.6	20.0
Naphthalene	0.944	0.987		4.6	
4-Chloroaniline	0.329	0.364		10.6	
Hexachlorobutadiene	0.267	0.269		0.7	20.0
Caprolactam	0.080	0.097		21.3	
4-Chloro-3-methylphenol	0.280	0.322		15.0	20.0
2-Methylnaphthalene	0.622	0.666		7.1	
Hexachlorocyclopentadiene	0.212	0.238	0.050	12.3	
2,4,6-Trichlorophenol	0.447	0.474		6.0	20.0
2-Fluorobiphenyl	1.421	1.379		-3.0	
2,4,5-Trichlorophenol	0.469	0.522		11.3	
1,1-Biphenyl	1.432	1.391		-2.9	
2-Chloronaphthalene	1.199	1.218		1.6	
2-Nitroaniline	0.356	0.388		9.0	
Dimethylphthalate	1.311	1.432		9.2	
Acenaphthylene	1.617	1.684		4.1	
2,6-Dinitrotoluene	0.259	0.297		14.7	
3-Nitroaniline	0.288	0.326		13.2	
Acenaphthene	1.080	1.111		2.9	20.0
2,4-Dinitrophenol	0.140	0.166	0.050	18.6	
4-Nitrophenol	0.195	0.221	0.050	13.3	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3395

Instrument ID: BNA_F Calibration Date/Time: 10/28/2025 13:17

Lab File ID: BF144097.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:13 16:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.499	1.565		4.4	
2,4-Dinitrotoluene	0.350	0.407		16.3	
Diethylphthalate	1.233	1.355		9.9	
4-Chlorophenyl-phenylether	0.643	0.693		7.8	
Fluorene	1.143	1.207		5.6	
4-Nitroaniline	0.273	0.304		11.4	
4,6-Dinitro-2-methylphenol	0.128	0.136		6.3	
n-Nitrosodiphenylamine	0.639	0.653		2.2	20.0
2,4,6-Tribromophenol	0.255	0.287		12.5	
4-Bromophenyl-phenylether	0.250	0.266		6.4	
Hexachlorobenzene	0.307	0.322		4.9	
Atrazine	0.210	0.208		-1.0	
Pentachlorophenol	0.146	0.170		16.4	20.0
Phenanthrene	0.994	1.013		1.9	
Anthracene	1.026	1.035		0.9	
Carbazole	0.874	0.869		-0.6	
Di-n-butylphthalate	1.071	1.082		1.0	
Fluoranthene	1.098	1.000		-8.9	20.0
Pyrene	1.438	2.068		43.8	
Terphenyl-d14	1.144	1.573		37.5	
Butylbenzylphthalate	0.544	0.651		19.7	
3,3-Dichlorobenzidine	0.470	0.517		10.0	
Benzo(a)anthracene	1.352	1.480		9.5	
Chrysene	1.268	1.334		5.2	
Bis(2-ethylhexyl)phthalate	0.743	0.775		4.3	
Di-n-octyl phthalate	1.277	1.323		3.6	20.0
Benzo(b)fluoranthene	1.131	1.126		-0.4	
Benzo(k)fluoranthene	1.043	1.047		0.4	
Benzo(a)pyrene	1.014	1.094		7.9	20.0
Indeno(1,2,3-cd)pyrene	1.373	1.546		12.6	
Dibenzo(a,h)anthracene	1.087	1.218		12.1	
Benzo(g,h,i)perylene	1.093	1.265		15.7	
1,2,4,5-Tetrachlorobenzene	0.687	0.668		-2.8	
1,4-Dioxane	0.546	0.520		-4.8	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.372		12.7	

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.: Q3395

Instrument ID: BNA_G Calibration Date/Time: 10/29/2025 11:22

Lab File ID: BG064618.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.266		6.2	
Benzaldehyde	0.893	0.838		-6.2	
Phenol-d6	1.635	1.656		1.3	
Phenol	1.808	1.838		1.7	20.0
bis(2-Chloroethyl)ether	2.225	2.273		2.2	
2-Chlorophenol	1.247	1.377		10.4	
2-Methylphenol	0.674	0.720		6.8	
2,2-oxybis(1-Chloropropane)	3.487	3.674		5.4	
Acetophenone	0.547	0.581		6.2	
3+4-Methylphenols	1.688	1.742		3.2	
n-Nitroso-di-n-propylamine	1.130	1.223	0.050	8.2	
Nitrobenzene-d5	0.333	0.401		20.4	
Hexachloroethane	0.512	0.567		10.7	
Nitrobenzene	0.362	0.429		18.5	
Isophorone	0.799	0.833		4.3	
2-Nitrophenol	0.121	0.168		38.8	20.0
2,4-Dimethylphenol	0.303	0.311		2.6	
bis(2-Chloroethoxy)methane	0.455	0.480		5.5	
2,4-Dichlorophenol	0.320	0.352		10.0	20.0
Naphthalene	1.109	1.159		4.5	
4-Chloroaniline	0.431	0.435		0.9	
Hexachlorobutadiene	0.284	0.322		13.4	20.0
Caprolactam	0.123	0.108		-12.2	
4-Chloro-3-methylphenol	0.384	0.389		1.3	20.0
2-Methylnaphthalene	0.814	0.836		2.7	
Hexachlorocyclopentadiene	0.302	0.400	0.050	32.5	
2,4,6-Trichlorophenol	0.384	0.455		18.5	20.0
2-Fluorobiphenyl	1.319	1.473		11.7	
2,4,5-Trichlorophenol	0.443	0.492		11.1	
1,1-Biphenyl	1.422	1.535		7.9	
2-Chloronaphthalene	1.073	1.175		9.5	
2-Nitroaniline	0.311	0.378		21.5	
Dimethylphthalate	1.530	1.552		1.4	
Acenaphthylene	1.693	1.770		4.5	
2,6-Dinitrotoluene	0.218	0.272		24.8	
3-Nitroaniline	0.263	0.288		9.5	
Acenaphthene	1.157	1.225		5.9	20.0
2,4-Dinitrophenol	0.132	0.164	0.050	24.2	
4-Nitrophenol	0.244	0.241	0.050	-1.2	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3395

Instrument ID: BNA_G Calibration Date/Time: 10/29/2025 11:22

Lab File ID: BG064618.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.930		3.2	
2,4-Dinitrotoluene	0.340	0.396		16.5	
Diethylphthalate	1.563	1.507		-3.6	
4-Chlorophenyl-phenylether	0.820	0.840		2.4	
Fluorene	1.460	1.476		1.1	
4-Nitroaniline	0.293	0.306		4.4	
4,6-Dinitro-2-methylphenol	0.079	0.104		31.6	
n-Nitrosodiphenylamine	0.540	0.582		7.8	20.0
2,4,6-Tribromophenol	0.289	0.312		8.0	
4-Bromophenyl-phenylether	0.237	0.262		10.5	
Hexachlorobenzene	0.270	0.300		11.1	
Atrazine	0.232	0.233		0.4	
Pentachlorophenol	0.169	0.189		11.8	20.0
Phenanthrene	1.094	1.132		3.5	
Anthracene	1.113	1.125		1.1	
Carbazole	0.981	0.970		-1.1	
Di-n-butylphthalate	1.135	1.140		0.4	
Fluoranthene	1.370	1.343		-2.0	20.0
Pyrene	1.307	1.322		1.1	
Terphenyl-d14	1.060	1.074		1.3	
Butylbenzylphthalate	0.395	0.462		17.0	
3,3-Dichlorobenzidine	0.443	0.484		9.3	
Benzo(a)anthracene	1.326	1.395		5.2	
Chrysene	1.262	1.298		2.9	
Bis(2-ethylhexyl)phthalate	0.590	0.671		13.7	
Di-n-octyl phthalate	0.995	1.203		20.9	20.0
Benzo(b)fluoranthene	1.226	1.236		0.8	
Benzo(k)fluoranthene	1.227	1.235		0.7	
Benzo(a)pyrene	1.127	1.157		2.7	20.0
Indeno(1,2,3-cd)pyrene	1.471	1.519		3.3	
Dibenzo(a,h)anthracene	1.195	1.241		3.8	
Benzo(g,h,i)perylene	1.471	1.519		3.3	
1,2,4,5-Tetrachlorobenzene	0.671	0.754		12.4	
1,4-Dioxane	0.528	0.560		6.1	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.469		10.6	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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LAB CHRONICLE

OrderID:	Q3395	**OrderDate:**	10/17/2025 4:25:00 PM
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
Q3395-01	**PR132-S09-000051-2 0251017**	**SOIL**			**10/17/25**			**10/17/25**
			PCB	8082A		10/23/25	10/23/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	
Q3395-02	**PR132-S07-000102-2 0251017**	**SOIL**			**10/17/25**			**10/17/25**
			PCB	8082A		10/23/25	10/23/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	
Q3395-05	**PR132-S07-102116-2 0251017**	**SOIL**			**10/17/25**			**10/17/25**
			PCB	8082A		10/23/25	10/23/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	
Q3395-06	**PR132-COMP03-2025-20251017**	**SOIL**			**10/17/25**			**10/17/25**
			PCB	8082A		10/23/25	10/23/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3395 **Order ID:** Q3395

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-S09-000051-20251017								
Q3395-01	PR132-S09-000051-2(	SOIL	4,4-DDE	1.10	JP	0.26	3.20	ug/kg
Q3395-01	PR132-S09-000051-2(	SOIL	gamma-Chlordane	0.49	J	0.28	3.20	ug/kg
			Total Concentration:	**1.590**				
Client ID : PR132-S07-000102-20251017								
Q3395-02	PR132-S07-000102-2(	SOIL	Dieldrin	1.30	JP	0.29	3.50	ug/kg
Q3395-02	PR132-S07-000102-2(	SOIL	4,4-DDE	6.90		0.29	3.50	ug/kg
Q3395-02	PR132-S07-000102-2(	SOIL	4,4-DDD	1.50	J	0.31	3.50	ug/kg
			Total Concentration:	**9.700**				

SAMPLE DATA

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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:	PR132-S09-000051-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	52.9
Sample Wt/Vol:	30.06 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.20	U	1	0.25	3.20	ug/kg	10/23/25 14:16	PB170213
319-85-7	beta-BHC	3.20	U	1	0.34	3.20	ug/kg	10/23/25 14:16	PB170213
319-86-8	delta-BHC	3.20	U	1	0.74	3.20	ug/kg	10/23/25 14:16	PB170213
58-89-9	gamma-BHC (Lindane)	3.20	U	1	0.26	3.20	ug/kg	10/23/25 14:16	PB170213
76-44-8	Heptachlor	3.20	U	1	0.23	3.20	ug/kg	10/23/25 14:16	PB170213
309-00-2	Aldrin	3.20	U	1	0.23	3.20	ug/kg	10/23/25 14:16	PB170213
1024-57-3	Heptachlor epoxide	3.20	U	1	0.36	3.20	ug/kg	10/23/25 14:16	PB170213
959-98-8	Endosulfan I	3.20	U	1	0.26	3.20	ug/kg	10/23/25 14:16	PB170213
60-57-1	Dieldrin	3.20	U	1	0.26	3.20	ug/kg	10/23/25 14:16	PB170213
72-55-9	4,4-DDE	1.10	JP	1	0.26	3.20	ug/kg	10/23/25 14:16	PB170213
72-20-8	Endrin	3.20	U	1	0.26	3.20	ug/kg	10/23/25 14:16	PB170213
33213-65-9	Endosulfan II	3.20	U	1	0.55	3.20	ug/kg	10/23/25 14:16	PB170213
72-54-8	4,4-DDD	3.20	U	1	0.28	3.20	ug/kg	10/23/25 14:16	PB170213
1031-07-8	Endosulfan Sulfate	3.20	U	1	0.25	3.20	ug/kg	10/23/25 14:16	PB170213
50-29-3	4,4-DDT	3.20	U	1	0.26	3.20	ug/kg	10/23/25 14:16	PB170213
72-43-5	Methoxychlor	3.20	U	1	0.70	3.20	ug/kg	10/23/25 14:16	PB170213
53494-70-5	Endrin ketone	3.20	U	1	0.36	3.20	ug/kg	10/23/25 14:16	PB170213
7421-93-4	Endrin aldehyde	3.20	U	1	0.70	3.20	ug/kg	10/23/25 14:16	PB170213
5103-71-9	alpha-Chlordane	3.20	U	1	0.23	3.20	ug/kg	10/23/25 14:16	PB170213
5103-74-2	gamma-Chlordane	0.49	J	1	0.28	3.20	ug/kg	10/23/25 14:16	PB170213
8001-35-2	Toxaphene	62.3	U	1	10.2	62.3	ug/kg	10/23/25 14:16	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	15.7			20 - 144	79%	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

Alliance TECHNICAL GROUP
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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:	PR132-S07-000102-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	47.9
Sample Wt/Vol:	30.04 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.50	U	1	0.27	3.50	ug/kg	10/23/25 14:30	PB170213
319-85-7	beta-BHC	3.50	U	1	0.38	3.50	ug/kg	10/23/25 14:30	PB170213
319-86-8	delta-BHC	3.50	U	1	0.81	3.50	ug/kg	10/23/25 14:30	PB170213
58-89-9	gamma-BHC (Lindane)	3.50	U	1	0.29	3.50	ug/kg	10/23/25 14:30	PB170213
76-44-8	Heptachlor	3.50	U	1	0.25	3.50	ug/kg	10/23/25 14:30	PB170213
309-00-2	Aldrin	3.50	U	1	0.25	3.50	ug/kg	10/23/25 14:30	PB170213
1024-57-3	Heptachlor epoxide	3.50	U	1	0.40	3.50	ug/kg	10/23/25 14:30	PB170213
959-98-8	Endosulfan I	3.50	U	1	0.29	3.50	ug/kg	10/23/25 14:30	PB170213
60-57-1	Dieldrin	1.30	JP	1	0.29	3.50	ug/kg	10/23/25 14:30	PB170213
72-55-9	4,4-DDE	6.90		1	0.29	3.50	ug/kg	10/23/25 14:30	PB170213
72-20-8	Endrin	3.50	U	1	0.29	3.50	ug/kg	10/23/25 14:30	PB170213
33213-65-9	Endosulfan II	3.50	U	1	0.60	3.50	ug/kg	10/23/25 14:30	PB170213
72-54-8	4,4-DDD	1.50	J	1	0.31	3.50	ug/kg	10/23/25 14:30	PB170213
1031-07-8	Endosulfan Sulfate	3.50	U	1	0.27	3.50	ug/kg	10/23/25 14:30	PB170213
50-29-3	4,4-DDT	3.50	U	1	0.29	3.50	ug/kg	10/23/25 14:30	PB170213
72-43-5	Methoxychlor	3.50	U	1	0.77	3.50	ug/kg	10/23/25 14:30	PB170213
53494-70-5	Endrin ketone	3.50	U	1	0.40	3.50	ug/kg	10/23/25 14:30	PB170213
7421-93-4	Endrin aldehyde	3.50	U	1	0.77	3.50	ug/kg	10/23/25 14:30	PB170213
5103-71-9	alpha-Chlordane	3.50	U	1	0.25	3.50	ug/kg	10/23/25 14:30	PB170213
5103-74-2	gamma-Chlordane	3.50	U	1	0.31	3.50	ug/kg	10/23/25 14:30	PB170213
8001-35-2	Toxaphene	68.8	U	1	11.3	68.8	ug/kg	10/23/25 14:30	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.1			20 - 144	85%	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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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:	PR132-S07-102116-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	51.4
Sample Wt/Vol:	30.05 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.30	U	1	0.25	3.30	ug/kg	10/23/25 15:11	PB170213
319-85-7	beta-BHC	3.30	U	1	0.35	3.30	ug/kg	10/23/25 15:11	PB170213
319-86-8	delta-BHC	3.30	U	1	0.76	3.30	ug/kg	10/23/25 15:11	PB170213
58-89-9	gamma-BHC (Lindane)	3.30	U	1	0.27	3.30	ug/kg	10/23/25 15:11	PB170213
76-44-8	Heptachlor	3.30	U	1	0.23	3.30	ug/kg	10/23/25 15:11	PB170213
309-00-2	Aldrin	3.30	U	1	0.23	3.30	ug/kg	10/23/25 15:11	PB170213
1024-57-3	Heptachlor epoxide	3.30	U	1	0.37	3.30	ug/kg	10/23/25 15:11	PB170213
959-98-8	Endosulfan I	3.30	U	1	0.27	3.30	ug/kg	10/23/25 15:11	PB170213
60-57-1	Dieldrin	3.30	U	1	0.27	3.30	ug/kg	10/23/25 15:11	PB170213
72-55-9	4,4-DDE	3.30	U	1	0.27	3.30	ug/kg	10/23/25 15:11	PB170213
72-20-8	Endrin	3.30	U	1	0.27	3.30	ug/kg	10/23/25 15:11	PB170213
33213-65-9	Endosulfan II	3.30	U	1	0.56	3.30	ug/kg	10/23/25 15:11	PB170213
72-54-8	4,4-DDD	3.30	U	1	0.29	3.30	ug/kg	10/23/25 15:11	PB170213
1031-07-8	Endosulfan Sulfate	3.30	U	1	0.25	3.30	ug/kg	10/23/25 15:11	PB170213
50-29-3	4,4-DDT	3.30	U	1	0.27	3.30	ug/kg	10/23/25 15:11	PB170213
72-43-5	Methoxychlor	3.30	U	1	0.72	3.30	ug/kg	10/23/25 15:11	PB170213
53494-70-5	Endrin ketone	3.30	U	1	0.37	3.30	ug/kg	10/23/25 15:11	PB170213
7421-93-4	Endrin aldehyde	3.30	U	1	0.72	3.30	ug/kg	10/23/25 15:11	PB170213
5103-71-9	alpha-Chlordane	3.30	U	1	0.23	3.30	ug/kg	10/23/25 15:11	PB170213
5103-74-2	gamma-Chlordane	3.30	U	1	0.29	3.30	ug/kg	10/23/25 15:11	PB170213
8001-35-2	Toxaphene	64.1	U	1	10.5	64.1	ug/kg	10/23/25 15:11	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.6			20 - 144	103%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.4			19 - 148	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
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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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:	PR132-COMP03-2025-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	69.8
Sample Wt/Vol:	30.03 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	2.40	U	1	0.19	2.40	ug/kg	10/23/25 15:25	PB170213
319-85-7	beta-BHC	2.40	U	1	0.26	2.40	ug/kg	10/23/25 15:25	PB170213
319-86-8	delta-BHC	2.40	U	1	0.56	2.40	ug/kg	10/23/25 15:25	PB170213
58-89-9	gamma-BHC (Lindane)	2.40	U	1	0.20	2.40	ug/kg	10/23/25 15:25	PB170213
76-44-8	Heptachlor	2.40	U	1	0.17	2.40	ug/kg	10/23/25 15:25	PB170213
309-00-2	Aldrin	2.40	U	1	0.17	2.40	ug/kg	10/23/25 15:25	PB170213
1024-57-3	Heptachlor epoxide	2.40	U	1	0.27	2.40	ug/kg	10/23/25 15:25	PB170213
959-98-8	Endosulfan I	2.40	U	1	0.20	2.40	ug/kg	10/23/25 15:25	PB170213
60-57-1	Dieldrin	2.40	U	1	0.20	2.40	ug/kg	10/23/25 15:25	PB170213
72-55-9	4,4-DDE	2.40	U	1	0.20	2.40	ug/kg	10/23/25 15:25	PB170213
72-20-8	Endrin	2.40	U	1	0.20	2.40	ug/kg	10/23/25 15:25	PB170213
33213-65-9	Endosulfan II	2.40	U	1	0.42	2.40	ug/kg	10/23/25 15:25	PB170213
72-54-8	4,4-DDD	2.40	U	1	0.21	2.40	ug/kg	10/23/25 15:25	PB170213
1031-07-8	Endosulfan Sulfate	2.40	U	1	0.19	2.40	ug/kg	10/23/25 15:25	PB170213
50-29-3	4,4-DDT	2.40	U	1	0.20	2.40	ug/kg	10/23/25 15:25	PB170213
72-43-5	Methoxychlor	2.40	U	1	0.53	2.40	ug/kg	10/23/25 15:25	PB170213
53494-70-5	Endrin ketone	2.40	U	1	0.27	2.40	ug/kg	10/23/25 15:25	PB170213
7421-93-4	Endrin aldehyde	2.40	U	1	0.53	2.40	ug/kg	10/23/25 15:25	PB170213
5103-71-9	alpha-Chlordane	2.40	U	1	0.17	2.40	ug/kg	10/23/25 15:25	PB170213
5103-74-2	gamma-Chlordane	2.40	U	1	0.21	2.40	ug/kg	10/23/25 15:25	PB170213
8001-35-2	Toxaphene	47.2	U	1	7.70	47.2	ug/kg	10/23/25 15:25	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.1			20 - 144	86%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.1			19 - 148	96%	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

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

Surrogate Summary

SDG No.: Q3395

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-PD090775.D	PIBLK-PD090775.D	Decachlorobiphen	1	20	21.7	109		57	171
		Tetrachloro-m-xyl	1	20	20.3	101		61	148
		Decachlorobiphen	2	20	24.9	124		57	171
		Tetrachloro-m-xyl	2	20	21.1	106		61	148
PB170213BL	PB170213BL	Decachlorobiphen	1	20	20.7	103		20	144
		Tetrachloro-m-xyl	1	20	18.7	94		19	148
		Decachlorobiphen	2	20	23.8	119		20	144
		Tetrachloro-m-xyl	2	20	20.1	101		19	148
PB170213BS	PB170213BS	Decachlorobiphen	1	20	22.1	110		20	144
		Tetrachloro-m-xyl	1	20	17.6	88		19	148
		Decachlorobiphen	2	20	26.0	130		20	144
		Tetrachloro-m-xyl	2	20	18.3	91		19	148
Q3395-01	PR132-S09-000051-20251017	Decachlorobiphen	1	20	15.7	79		20	144
		Tetrachloro-m-xyl	1	20	16.9	84		19	148
		Decachlorobiphen	2	20	15.7	79		20	144
		Tetrachloro-m-xyl	2	20	17.4	87		19	148
Q3395-02	PR132-S07-000102-20251017	Decachlorobiphen	1	20	17.0	85		20	144
		Tetrachloro-m-xyl	1	20	16.1	80		19	148
		Decachlorobiphen	2	20	17.1	85		20	144
		Tetrachloro-m-xyl	2	20	17.4	87		19	148
Q3395-03MS	PR132-S07-000102-20251017MS	Decachlorobiphen	1	20	15.2	76		20	144
		Tetrachloro-m-xyl	1	20	14.4	72		19	148
		Decachlorobiphen	2	20	15.5	77		20	144
		Tetrachloro-m-xyl	2	20	15.5	78		19	148
Q3395-04MSD	PR132-S07-000102-20251017MS	Decachlorobiphen	1	20	16.4	82		20	144
		Tetrachloro-m-xyl	1	20	15.3	76		19	148
		Decachlorobiphen	2	20	16.4	82		20	144
		Tetrachloro-m-xyl	2	20	16.4	82		19	148
Q3395-05	PR132-S07-102116-20251017	Decachlorobiphen	1	20	19.8	99		20	144
		Tetrachloro-m-xyl	1	20	18.2	91		19	148
		Decachlorobiphen	2	20	20.6	103		20	144
		Tetrachloro-m-xyl	2	20	19.4	97		19	148
Q3395-06	PR132-COMP03-2025-20251017	Decachlorobiphen	1	20	16.2	81		20	144
		Tetrachloro-m-xyl	1	20	17.5	87		19	148
		Decachlorobiphen	2	20	17.1	86		20	144
		Tetrachloro-m-xyl	2	20	19.1	96		19	148
I.BLK-PD090788.D	PIBLK-PD090788.D	Decachlorobiphen	1	20	20.9	105		57	171

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Surrogate Summary

SDG No.: Q3395

Client: AECOM

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD090788.D	PIBLK-PD090788.D	Tetrachloro-m-xyl	1	20	20.0	100		61	148
		Decachlorobiphen	2	20	23.5	117		57	171
		Tetrachloro-m-xyl	2	20	20.8	104		61	148

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** 8081B

Client: AECOM **DataFile :** PD090784.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q3395-03MS (Column 1)**	**Client Sample ID:**		**PR132-S07-000102-202510**								
	alpha-BHC	34.78	0	31.9	ug/kg	92				60	144	
	beta-BHC	34.78	0	27.9	ug/kg	80				54	143	
	delta-BHC	34.78	0	32.6	ug/kg	94				29	151	
	gamma-BHC (Lindane)	34.78	0	31.9	ug/kg	92				61	140	
	Heptachlor	34.78	0	38.0	ug/kg	109				63	135	
	Aldrin	34.78	0	32.6	ug/kg	94				49	139	
	Heptachlor epoxide	34.78	0	33.3	ug/kg	96				41	156	
	Endosulfan I	34.78	0	32.6	ug/kg	94				56	142	
	Dieldrin	34.78	0.42	32.7	ug/kg	93				47	161	
	4,4'-DDE	34.78	6.90	36.6	ug/kg	85				55	136	
	Endrin	34.78	0	32.6	ug/kg	94				57	139	
	Endosulfan II	34.78	0	31.1	ug/kg	89				40	163	
	4,4'-DDD	34.78	1.50	34.6	ug/kg	95				47	163	
	Endosulfan sulfate	34.78	0	32.5	ug/kg	93				62	139	
	4,4'-DDT	34.78	0	33.8	ug/kg	97				51	146	
	Methoxychlor	34.78	0	33.5	ug/kg	96				54	136	
	Endrin ketone	34.78	0	33.7	ug/kg	97				60	129	
	Endrin aldehyde	34.78	0	32.9	ug/kg	95				59	132	
	alpha-Chlordane	34.78	0	36.2	ug/kg	104				39	166	
	gamma-Chlordane	34.78	0	30.8	ug/kg	89				44	175	
Lab Sample ID:	**Q3395-03MS (Column 2)**	**Client Sample ID:**		**PR132-S07-000102-202510**								
	alpha-BHC	34.78	0	28.7	ug/kg	83				60	144	
	beta-BHC	34.78	0	28.9	ug/kg	83				54	143	
	delta-BHC	34.78	0	30.5	ug/kg	88				29	151	
	gamma-BHC (Lindane)	34.78	0	29.2	ug/kg	84				61	140	
	Heptachlor	34.78	0	31.9	ug/kg	92				63	135	
	Aldrin	34.78	0	29.7	ug/kg	85				49	139	
	Heptachlor epoxide	34.78	0	31.2	ug/kg	90				41	156	
	Endosulfan I	34.78	0	26.7	ug/kg	77				56	142	
	Dieldrin	34.78	1.30	31.4	ug/kg	87				47	161	
	4,4'-DDE	34.78	5.30	33.5	ug/kg	81				55	136	
	Endrin	34.78	0	29.7	ug/kg	85				57	139	
	Endosulfan II	34.78	0	30.9	ug/kg	89				40	163	
	4,4'-DDD	34.78	1.00	29.7	ug/kg	83				47	163	
	Endosulfan sulfate	34.78	0	30.8	ug/kg	89				62	139	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** 8081B

Client: AECOM **DataFile :** PD090784.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	34.78	0	30.9	ug/kg	89				51	146	
Methoxychlor	34.78	0	32.0	ug/kg	92				54	136	
Endrin ketone	34.78	0	30.2	ug/kg	87				60	129	
Endrin aldehyde	34.78	0	31.0	ug/kg	89				59	132	
alpha-Chlordane	34.78	0	31.0	ug/kg	89				39	166	
gamma-Chlordane	34.78	0	31.6	ug/kg	91				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** 8081B

Client: AECOM **DataFile :** PD090785.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q3395-04MSD (Column 1)**	**Client Sample ID:**		**PR132-S07-000102-202510**								
	alpha-BHC	34.7	0	31.9	ug/kg	92		0		60	144	20
	beta-BHC	34.7	0	26.3	ug/kg	76		5		54	143	20
	delta-BHC	34.7	0	32.6	ug/kg	94		0		29	151	20
	gamma-BHC (Lindane)	34.7	0	31.9	ug/kg	92		0		61	140	20
	Heptachlor	34.7	0	38.1	ug/kg	110		1		63	135	20
	Aldrin	34.7	0	32.6	ug/kg	94		0		49	139	20
	Heptachlor epoxide	34.7	0	32.4	ug/kg	93		3		41	156	20
	Endosulfan I	34.7	0	31.9	ug/kg	92		2		56	142	20
	Dieldrin	34.7	0.42	32.9	ug/kg	94		1		47	161	20
	4,4'-DDE	34.7	6.90	37.2	ug/kg	87		2		55	136	20
	Endrin	34.7	0	32.1	ug/kg	93		1		57	139	20
	Endosulfan II	34.7	0	31.5	ug/kg	91		2		40	163	20
	4,4'-DDD	34.7	1.50	34.4	ug/kg	95		0		47	163	20
	Endosulfan sulfate	34.7	0	32.5	ug/kg	94		1		62	139	20
	4,4'-DDT	34.7	0	34.0	ug/kg	98		1		51	146	20
	Methoxychlor	34.7	0	33.2	ug/kg	96		0		54	136	20
	Endrin ketone	34.7	0	34.1	ug/kg	98		1		60	129	20
	Endrin aldehyde	34.7	0	32.8	ug/kg	95		0		59	132	20
	alpha-Chlordane	34.7	0	31.4	ug/kg	90		14		39	166	20
	gamma-Chlordane	34.7	0	31.0	ug/kg	89		0		44	175	20
Lab Sample ID:	**Q3395-04MSD (Column 2)**	**Client Sample ID:**		**PR132-S07-000102-202510**								
	alpha-BHC	34.7	0	28.6	ug/kg	82		1		60	144	20
	beta-BHC	34.7	0	28.9	ug/kg	83		0		54	143	20
	delta-BHC	34.7	0	30.3	ug/kg	87		1		29	151	20
	gamma-BHC (Lindane)	34.7	0	29.1	ug/kg	84		0		61	140	20
	Heptachlor	34.7	0	32.0	ug/kg	92		0		63	135	20
	Aldrin	34.7	0	29.7	ug/kg	86		1		49	139	20
	Heptachlor epoxide	34.7	0	30.7	ug/kg	88		2		41	156	20
	Endosulfan I	34.7	0	26.5	ug/kg	76		1		56	142	20
	Dieldrin	34.7	1.30	31.4	ug/kg	87		0		47	161	20
	4,4'-DDE	34.7	5.30	33.4	ug/kg	81		0		55	136	20
	Endrin	34.7	0	29.1	ug/kg	84		1		57	139	20
	Endosulfan II	34.7	0	31.1	ug/kg	90		1		40	163	20
	4,4'-DDD	34.7	1.00	29.5	ug/kg	82		1		47	163	20
	Endosulfan sulfate	34.7	0	30.6	ug/kg	88		1		62	139	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** 8081B

Client: AECOM **DataFile :** PD090785.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
4,4'-DDT	34.7	0	30.8	ug/kg	89		0		51	146	20
Methoxychlor	34.7	0	32.5	ug/kg	94		2		54	136	20
Endrin ketone	34.7	0	29.9	ug/kg	86		1		60	129	20
Endrin aldehyde	34.7	0	30.8	ug/kg	89		0		59	132	20
alpha-Chlordane	34.7	0	30.8	ug/kg	89		0		39	166	20
gamma-Chlordane	34.7	0	31.3	ug/kg	90		1		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** 8081B

Client: AECOM **Datafile :** PD090779.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170213BS (Column 1)	alpha-BHC	16.65	15.4	ug/kg	92				84	123	
	beta-BHC	16.65	15.1	ug/kg	91				82	123	
	delta-BHC	16.65	15.6	ug/kg	94				83	126	
	gamma-BHC (Lindane)	16.65	15.2	ug/kg	91				83	125	
	Heptachlor	16.65	18.2	ug/kg	109				83	122	
	Aldrin	16.65	15.4	ug/kg	92				82	124	
	Heptachlor epoxide	16.65	15.9	ug/kg	95				83	120	
	Endosulfan I	16.65	15.6	ug/kg	94				81	124	
	Dieldrin	16.65	15.7	ug/kg	94				85	121	
	4,4'-DDE	16.65	15.1	ug/kg	91				81	123	
	Endrin	16.65	15.5	ug/kg	93				76	130	
	Endosulfan II	16.65	16.2	ug/kg	97				80	125	
	4,4'-DDD	16.65	16.8	ug/kg	101				80	131	
	Endosulfan sulfate	16.65	15.6	ug/kg	94				81	122	
	4,4'-DDT	16.65	16.3	ug/kg	98				70	129	
	Methoxychlor	16.65	16.0	ug/kg	96				60	119	
	Endrin ketone	16.65	16.1	ug/kg	97				77	132	
	Endrin aldehyde	16.65	16.3	ug/kg	98				79	124	
	alpha-Chlordane	16.65	15.5	ug/kg	93				84	120	
	gamma-Chlordane	16.65	15.3	ug/kg	92				83	122	
PB170213BS (Column 2)	alpha-BHC	16.65	15.7	ug/kg	94				84	123	
	beta-BHC	16.65	15.6	ug/kg	94				82	123	
	delta-BHC	16.65	15.9	ug/kg	95				83	126	
	gamma-BHC (Lindane)	16.65	15.7	ug/kg	94				83	125	
	Heptachlor	16.65	16.2	ug/kg	97				83	122	
	Aldrin	16.65	15.9	ug/kg	95				82	124	
	Heptachlor epoxide	16.65	15.8	ug/kg	95				83	120	
	Endosulfan I	16.65	15.1	ug/kg	91				81	124	
	Dieldrin	16.65	16.3	ug/kg	98				85	121	
	4,4'-DDE	16.65	16.4	ug/kg	98				81	123	
	Endrin	16.65	16.5	ug/kg	99				76	130	
	Endosulfan II	16.65	16.6	ug/kg	100				80	125	
	4,4'-DDD	16.65	16.8	ug/kg	101				80	131	
	Endosulfan sulfate	16.65	16.7	ug/kg	100				81	122	
	4,4'-DDT	16.65	17.0	ug/kg	102				70	129	
	Methoxychlor	16.65	16.8	ug/kg	101				60	119	
	Endrin ketone	16.65	17.5	ug/kg	105				77	132	
	Endrin aldehyde	16.65	17.1	ug/kg	103				79	124	
	alpha-Chlordane	16.65	16.0	ug/kg	96				84	120	
	gamma-Chlordane	16.65	16.1	ug/kg	97				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB170213BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3395

Lab Sample ID: PB170213BL | Lab File ID: PD090778.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 10/23/2025

Date Analyzed (1): 10/23/2025 | Date Analyzed (2): 10/23/2025

Time Analyzed (1): 13:16 | Time Analyzed (2): 13:16

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
PB170213BS	PB170213BS	PD090779.D	10/23/2025	10/23/2025
PR132-S09-000051-20251017	Q3395-01	PD090782.D	10/23/2025	10/23/2025
PR132-S07-000102-20251017	Q3395-02	PD090783.D	10/23/2025	10/23/2025
PR132-S07-000102-20251017MS	Q3395-03MS	PD090784.D	10/23/2025	10/23/2025
PR132-S07-000102-20251017MSD	Q3395-04MSD	PD090785.D	10/23/2025	10/23/2025
PR132-S07-102116-20251017	Q3395-05	PD090786.D	10/23/2025	10/23/2025
PR132-COMP03-2025-20251017	Q3395-06	PD090787.D	10/23/2025	10/23/2025

COMMENTS:

QC 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:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170213BL	SDG No.:	Q3395
Lab Sample ID:	PB170213BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.02 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/23/25		

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	10/23/25 13:16	PB170213
319-85-7	beta-BHC	1.70	U	1	0.18	1.70	ug/kg	10/23/25 13:16	PB170213
319-86-8	delta-BHC	1.70	U	1	0.39	1.70	ug/kg	10/23/25 13:16	PB170213
58-89-9	gamma-BHC (Lindane)	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
76-44-8	Heptachlor	1.70	U	1	0.12	1.70	ug/kg	10/23/25 13:16	PB170213
309-00-2	Aldrin	1.70	U	1	0.12	1.70	ug/kg	10/23/25 13:16	PB170213
1024-57-3	Heptachlor epoxide	1.70	U	1	0.19	1.70	ug/kg	10/23/25 13:16	PB170213
959-98-8	Endosulfan I	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
60-57-1	Dieldrin	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
72-55-9	4,4-DDE	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
72-20-8	Endrin	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
33213-65-9	Endosulfan II	1.70	U	1	0.29	1.70	ug/kg	10/23/25 13:16	PB170213
72-54-8	4,4-DDD	1.70	U	1	0.15	1.70	ug/kg	10/23/25 13:16	PB170213
1031-07-8	Endosulfan Sulfate	1.70	U	1	0.13	1.70	ug/kg	10/23/25 13:16	PB170213
50-29-3	4,4-DDT	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
72-43-5	Methoxychlor	1.70	U	1	0.37	1.70	ug/kg	10/23/25 13:16	PB170213
53494-70-5	Endrin ketone	1.70	U	1	0.19	1.70	ug/kg	10/23/25 13:16	PB170213
7421-93-4	Endrin aldehyde	1.70	U	1	0.37	1.70	ug/kg	10/23/25 13:16	PB170213
5103-71-9	alpha-Chlordane	1.70	U	1	0.12	1.70	ug/kg	10/23/25 13:16	PB170213
5103-74-2	gamma-Chlordane	1.70	U	1	0.15	1.70	ug/kg	10/23/25 13:16	PB170213
8001-35-2	Toxaphene	33.0	U	1	5.40	33.0	ug/kg	10/23/25 13:16	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	23.8			20 - 144	119%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.1			19 - 148	101%	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:	10/17/25
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.:	Q3395
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		

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

Report of Analysis

Client:	AECOM	Date Collected:	10/23/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/23/25
Client Sample ID:	PIBLK-PD090775.D	SDG No.:	Q3395
Lab Sample ID:	I.BLK-PD090775.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	10/23/25	Pd102325
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/23/25	Pd102325
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/23/25	Pd102325
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/23/25	Pd102325
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/23/25	Pd102325
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/23/25	Pd102325
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/23/25	Pd102325
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/23/25	Pd102325
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/23/25	Pd102325
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/23/25	Pd102325
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/23/25	Pd102325
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/23/25	Pd102325
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/23/25	Pd102325
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/23/25	Pd102325
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/23/25	Pd102325
SURROGATES									
2051-24-3	Decachlorobiphenyl	24.9			57 - 171	124%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.1			61 - 148	106%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
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() = Laboratory InHouse Limit

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

Report of Analysis

Client:	AECOM	Date Collected:	10/23/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/23/25
Client Sample ID:	PIBLK-PD090788.D	SDG No.:	Q3395
Lab Sample ID:	I.BLK-PD090788.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	10/23/25	Pd102325
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/23/25	Pd102325
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/23/25	Pd102325
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/23/25	Pd102325
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/23/25	Pd102325
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/23/25	Pd102325
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/23/25	Pd102325
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/23/25	Pd102325
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/23/25	Pd102325
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/23/25	Pd102325
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/23/25	Pd102325
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/23/25	Pd102325
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/23/25	Pd102325
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/23/25	Pd102325
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/23/25	Pd102325
SURROGATES									
2051-24-3	Decachlorobiphenyl	23.5			57 - 171	117%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.8			61 - 148	104%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
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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:	PB170213BS	SDG No.:	Q3395
Lab Sample ID:	PB170213BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol: 10000 uL	Test: Pesticide-TCL
Prep Method:	SW3541	Prep Date 10/23/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	15.7		1	0.13	1.70	ug/kg	10/23/25 13:30	PB170213
319-85-7	beta-BHC	15.6		1	0.18	1.70	ug/kg	10/23/25 13:30	PB170213
319-86-8	delta-BHC	15.9		1	0.39	1.70	ug/kg	10/23/25 13:30	PB170213
58-89-9	gamma-BHC (Lindane)	15.7		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
76-44-8	Heptachlor	18.2		1	0.12	1.70	ug/kg	10/23/25 13:30	PB170213
309-00-2	Aldrin	15.9		1	0.12	1.70	ug/kg	10/23/25 13:30	PB170213
1024-57-3	Heptachlor epoxide	15.9		1	0.19	1.70	ug/kg	10/23/25 13:30	PB170213
959-98-8	Endosulfan I	15.6		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
60-57-1	Dieldrin	16.3		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
72-55-9	4,4-DDE	16.4		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
72-20-8	Endrin	16.5		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
33213-65-9	Endosulfan II	16.6		1	0.29	1.70	ug/kg	10/23/25 13:30	PB170213
72-54-8	4,4-DDD	16.8		1	0.15	1.70	ug/kg	10/23/25 13:30	PB170213
1031-07-8	Endosulfan Sulfate	16.7		1	0.13	1.70	ug/kg	10/23/25 13:30	PB170213
50-29-3	4,4-DDT	17.0		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
72-43-5	Methoxychlor	16.8		1	0.37	1.70	ug/kg	10/23/25 13:30	PB170213
53494-70-5	Endrin ketone	17.5		1	0.19	1.70	ug/kg	10/23/25 13:30	PB170213
7421-93-4	Endrin aldehyde	17.1		1	0.37	1.70	ug/kg	10/23/25 13:30	PB170213
5103-71-9	alpha-Chlordane	16.0		1	0.12	1.70	ug/kg	10/23/25 13:30	PB170213
5103-74-2	gamma-Chlordane	16.1		1	0.15	1.70	ug/kg	10/23/25 13:30	PB170213
8001-35-2	Toxaphene	33.0	U	1	5.40	33.0	ug/kg	10/23/25 13:30	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	26.0			20 - 144	130%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	18.3			19 - 148	91%	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:	PR132-S07-000102-20251017MS	SDG No.:	Q3395
Lab Sample ID:	Q3395-03MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	47.9
Sample Wt/Vol:	30.01 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	31.9		1	0.27	3.50	ug/kg	10/23/25 14:44	PB170213
319-85-7	beta-BHC	28.9		1	0.38	3.50	ug/kg	10/23/25 14:44	PB170213
319-86-8	delta-BHC	32.6		1	0.81	3.50	ug/kg	10/23/25 14:44	PB170213
58-89-9	gamma-BHC (Lindane)	31.9		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
76-44-8	Heptachlor	38.0		1	0.25	3.50	ug/kg	10/23/25 14:44	PB170213
309-00-2	Aldrin	32.6		1	0.25	3.50	ug/kg	10/23/25 14:44	PB170213
1024-57-3	Heptachlor epoxide	33.3		1	0.40	3.50	ug/kg	10/23/25 14:44	PB170213
959-98-8	Endosulfan I	32.6		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
60-57-1	Dieldrin	32.7		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
72-55-9	4,4-DDE	36.6		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
72-20-8	Endrin	32.6		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
33213-65-9	Endosulfan II	31.1		1	0.61	3.50	ug/kg	10/23/25 14:44	PB170213
72-54-8	4,4-DDD	34.6		1	0.31	3.50	ug/kg	10/23/25 14:44	PB170213
1031-07-8	Endosulfan Sulfate	32.5		1	0.27	3.50	ug/kg	10/23/25 14:44	PB170213
50-29-3	4,4-DDT	33.8		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
72-43-5	Methoxychlor	33.5		1	0.77	3.50	ug/kg	10/23/25 14:44	PB170213
53494-70-5	Endrin ketone	33.7		1	0.40	3.50	ug/kg	10/23/25 14:44	PB170213
7421-93-4	Endrin aldehyde	32.9		1	0.77	3.50	ug/kg	10/23/25 14:44	PB170213
5103-71-9	alpha-Chlordane	36.2		1	0.25	3.50	ug/kg	10/23/25 14:44	PB170213
5103-74-2	gamma-Chlordane	31.6		1	0.31	3.50	ug/kg	10/23/25 14:44	PB170213
8001-35-2	Toxaphene	68.9	U	1	11.3	68.9	ug/kg	10/23/25 14:44	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	15.5			20 - 144	77%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	15.5			19 - 148	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

Alliance TECHNICAL GROUP
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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:	PR132-S07-000102-20251017MSD	SDG No.:	Q3395
Lab Sample ID:	Q3395-04MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	47.9
Sample Wt/Vol:	30.08 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	31.9		1	0.27	3.50	ug/kg	10/23/25 14:57	PB170213
319-85-7	beta-BHC	28.9		1	0.37	3.50	ug/kg	10/23/25 14:57	PB170213
319-86-8	delta-BHC	32.6		1	0.81	3.50	ug/kg	10/23/25 14:57	PB170213
58-89-9	gamma-BHC (Lindane)	31.9		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
76-44-8	Heptachlor	38.1		1	0.25	3.50	ug/kg	10/23/25 14:57	PB170213
309-00-2	Aldrin	32.6		1	0.25	3.50	ug/kg	10/23/25 14:57	PB170213
1024-57-3	Heptachlor epoxide	32.4		1	0.40	3.50	ug/kg	10/23/25 14:57	PB170213
959-98-8	Endosulfan I	31.9		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
60-57-1	Dieldrin	32.9		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
72-55-9	4,4-DDE	37.2		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
72-20-8	Endrin	32.1		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
33213-65-9	Endosulfan II	31.5		1	0.60	3.50	ug/kg	10/23/25 14:57	PB170213
72-54-8	4,4-DDD	34.4		1	0.31	3.50	ug/kg	10/23/25 14:57	PB170213
1031-07-8	Endosulfan Sulfate	32.5		1	0.27	3.50	ug/kg	10/23/25 14:57	PB170213
50-29-3	4,4-DDT	34.0		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
72-43-5	Methoxychlor	33.2		1	0.77	3.50	ug/kg	10/23/25 14:57	PB170213
53494-70-5	Endrin ketone	34.1		1	0.40	3.50	ug/kg	10/23/25 14:57	PB170213
7421-93-4	Endrin aldehyde	32.8		1	0.77	3.50	ug/kg	10/23/25 14:57	PB170213
5103-71-9	alpha-Chlordane	31.4		1	0.25	3.50	ug/kg	10/23/25 14:57	PB170213
5103-74-2	gamma-Chlordane	31.3		1	0.31	3.50	ug/kg	10/23/25 14:57	PB170213
8001-35-2	Toxaphene	68.7	U	1	11.3	68.7	ug/kg	10/23/25 14:57	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	16.4			20 - 144	82%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	16.4			19 - 148	82%	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

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: AECO02
SDG NO.: Q3395
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.: Q3395
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.: Q3395
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.: Q3395
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.:** Q3395

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.:** Q3395

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.:** Q3395

Continuing Calib Date: 10/23/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 09:51 **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	0.01
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.:** Q3395

Continuing Calib Date: 10/23/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 09:51 **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	0.01
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.26	4.16	4.36	0.01
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.:** Q3395

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

Client Sample No.: CCAL01 **Date Analyzed:** 10/23/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090777.D **Time Analyzed:** 09:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.700	6.600	6.800	51.850	50.000	3.7
4,4'-DDE	6.189	6.090	6.290	48.380	50.000	-3.2
4,4'-DDT	7.015	6.915	7.115	50.550	50.000	1.1
Aldrin	5.264	5.164	5.364	48.990	50.000	-2.0
alpha-BHC	3.993	3.894	4.094	48.830	50.000	-2.3
alpha-Chlordane	6.020	5.921	6.121	47.100	50.000	-5.8
beta-BHC	4.511	4.412	4.612	47.710	50.000	-4.6
Decachlorobiphenyl	9.065	8.964	9.164	46.870	50.000	-6.3
delta-BHC	4.760	4.660	4.860	49.110	50.000	-1.8
Dieldrin	6.340	6.240	6.440	53.750	50.000	7.5
Endosulfan I	6.067	5.968	6.168	48.890	50.000	-2.2
Endosulfan II	6.780	6.681	6.881	48.920	50.000	-2.2
Endosulfan sulfate	7.144	7.045	7.245	48.770	50.000	-2.5
Endrin	6.568	6.468	6.668	48.250	50.000	-3.5
Endrin aldehyde	6.909	6.810	7.010	49.870	50.000	-0.3
Endrin ketone	7.625	7.525	7.725	50.350	50.000	0.7
gamma-BHC (Lindane)	4.324	4.225	4.425	48.700	50.000	-2.6
gamma-Chlordane	5.939	5.840	6.040	48.760	50.000	-2.5
Heptachlor	4.922	4.823	5.023	57.680	50.000	15.4
Heptachlor epoxide	5.684	5.584	5.784	49.070	50.000	-1.9
Methoxychlor	7.489	7.388	7.588	49.740	50.000	-0.5
Tetrachloro-m-xylene	3.544	3.445	3.645	46.980	50.000	-6.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3395

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

Client Sample No.: CCAL01 **Date Analyzed:** 10/23/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090777.D **Time Analyzed:** 09:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.919	5.821	6.021	52.340	50.000	4.7
4,4'-DDE	5.365	5.266	5.466	50.620	50.000	1.2
4,4'-DDT	6.173	6.074	6.274	52.390	50.000	4.8
Aldrin	4.359	4.261	4.461	49.350	50.000	-1.3
alpha-BHC	3.385	3.287	3.487	49.170	50.000	-1.7
alpha-Chlordane	5.180	5.081	5.281	50.430	50.000	0.9
beta-BHC	4.018	3.919	4.119	49.080	50.000	-1.8
Decachlorobiphenyl	8.060	7.962	8.162	56.190	50.000	12.4
delta-BHC	4.254	4.155	4.355	49.980	50.000	0.0
Dieldrin	5.502	5.404	5.604	50.350	50.000	0.7
Endosulfan I	5.237	5.138	5.338	49.460	50.000	-1.1
Endosulfan II	6.071	5.972	6.172	51.700	50.000	3.4
Endosulfan sulfate	6.473	6.374	6.574	52.060	50.000	4.1
Endrin	5.779	5.681	5.881	50.000	50.000	0.0
Endrin aldehyde	6.249	6.150	6.350	52.230	50.000	4.5
Endrin ketone	6.982	6.883	7.083	54.530	50.000	9.1
gamma-BHC (Lindane)	3.722	3.623	3.823	50.900	50.000	1.8
gamma-Chlordane	5.116	5.017	5.217	50.990	50.000	2.0
Heptachlor	4.074	3.975	4.175	50.550	50.000	1.1
Heptachlor epoxide	4.863	4.764	4.964	49.090	50.000	-1.8
Methoxychlor	6.743	6.645	6.845	52.100	50.000	4.2
Tetrachloro-m-xylene	2.874	2.775	2.975	48.790	50.000	-2.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3395

Continuing Calib Date: 10/23/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 15:52 **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	0.00
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)	4.33	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	0.01
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.:** Q3395

Continuing Calib Date: 10/23/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 15:52 **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	4.25	4.26	4.16	4.36	0.01
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	6.75	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.:** Q3395

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

Client Sample No.: CCAL02 **Date Analyzed:** 10/23/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090789.D **Time Analyzed:** 15:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.700	6.600	6.800	52.200	50.000	4.4
4,4'-DDE	6.190	6.090	6.290	48.430	50.000	-3.1
4,4'-DDT	7.015	6.915	7.115	50.330	50.000	0.7
Aldrin	5.264	5.164	5.364	49.680	50.000	-0.6
alpha-BHC	3.994	3.894	4.094	49.650	50.000	-0.7
alpha-Chlordane	6.020	5.921	6.121	48.370	50.000	-3.3
beta-BHC	4.512	4.412	4.612	48.230	50.000	-3.5
Decachlorobiphenyl	9.065	8.964	9.164	46.570	50.000	-6.9
delta-BHC	4.760	4.660	4.860	49.870	50.000	-0.3
Dieldrin	6.341	6.240	6.440	53.620	50.000	7.2
Endosulfan I	6.068	5.968	6.168	49.180	50.000	-1.6
Endosulfan II	6.781	6.681	6.881	49.040	50.000	-1.9
Endosulfan sulfate	7.144	7.045	7.245	48.800	50.000	-2.4
Endrin	6.568	6.468	6.668	48.740	50.000	-2.5
Endrin aldehyde	6.910	6.810	7.010	49.920	50.000	-0.2
Endrin ketone	7.625	7.525	7.725	51.650	50.000	3.3
gamma-BHC (Lindane)	4.325	4.225	4.425	49.350	50.000	-1.3
gamma-Chlordane	5.940	5.840	6.040	48.820	50.000	-2.4
Heptachlor	4.923	4.823	5.023	57.980	50.000	16.0
Heptachlor epoxide	5.684	5.584	5.784	49.800	50.000	-0.4
Methoxychlor	7.488	7.388	7.588	48.700	50.000	-2.6
Tetrachloro-m-xylene	3.544	3.445	3.645	47.960	50.000	-4.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3395

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

Client Sample No.: CCAL02 **Date Analyzed:** 10/23/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090789.D **Time Analyzed:** 15:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.920	5.821	6.021	51.790	50.000	3.6
4,4'-DDE	5.365	5.266	5.466	50.080	50.000	0.2
4,4'-DDT	6.174	6.074	6.274	51.520	50.000	3.0
Aldrin	4.360	4.261	4.461	49.410	50.000	-1.2
alpha-BHC	3.386	3.287	3.487	49.590	50.000	-0.8
alpha-Chlordane	5.181	5.081	5.281	49.880	50.000	-0.2
beta-BHC	4.018	3.919	4.119	49.150	50.000	-1.7
Decachlorobiphenyl	8.060	7.962	8.162	53.960	50.000	7.9
delta-BHC	4.254	4.155	4.355	49.980	50.000	0.0
Dieldrin	5.504	5.404	5.604	49.970	50.000	-0.1
Endosulfan I	5.238	5.138	5.338	48.460	50.000	-3.1
Endosulfan II	6.072	5.972	6.172	50.990	50.000	2.0
Endosulfan sulfate	6.474	6.374	6.574	51.260	50.000	2.5
Endrin	5.780	5.681	5.881	50.120	50.000	0.2
Endrin aldehyde	6.249	6.150	6.350	51.510	50.000	3.0
Endrin ketone	6.983	6.883	7.083	53.140	50.000	6.3
gamma-BHC (Lindane)	3.722	3.623	3.823	51.000	50.000	2.0
gamma-Chlordane	5.116	5.017	5.217	50.110	50.000	0.2
Heptachlor	4.074	3.975	4.175	50.660	50.000	1.3
Heptachlor epoxide	4.864	4.764	4.964	49.200	50.000	-1.6
Methoxychlor	6.745	6.645	6.845	51.930	50.000	3.9
Tetrachloro-m-xylene	2.874	2.775	2.975	48.980	50.000	-2.0

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3395

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.:** Q3395

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

Client Sample No. (PEM): PEM - PD090776.D **Date Analyzed:** 10/23/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:38

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.066	8.970	9.170	21.360	20.000	6.8
Tetrachloro-m-xylene	3.544	3.490	3.590	20.730	20.000	3.7
alpha-BHC	3.993	3.940	4.040	8.630	10.000	-13.7
beta-BHC	4.512	4.460	4.560	9.990	10.000	-0.1
gamma-BHC (Lindane)	4.324	4.270	4.370	8.990	10.000	-10.1
Endrin	6.568	6.500	6.640	48.450	50.000	-3.1
4,4'-DDT	7.016	6.950	7.090	98.300	100.000	-1.7
Methoxychlor	7.489	7.420	7.560	230.150	250.000	-7.9

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

Client Sample No. (PEM): PEM - PD090776.D **Date Analyzed:** 10/23/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:38

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.060	7.960	8.160	25.180	20.000	25.9
Tetrachloro-m-xylene	2.873	2.820	2.920	21.460	20.000	7.3
alpha-BHC	3.385	3.330	3.440	10.520	10.000	5.2
beta-BHC	4.018	3.970	4.070	10.550	10.000	5.5
gamma-BHC (Lindane)	3.721	3.670	3.770	10.770	10.000	7.7
Endrin	5.779	5.710	5.850	50.700	50.000	1.4
4,4'-DDT	6.172	6.100	6.240	101.920	100.000	1.9
Methoxychlor	6.743	6.670	6.810	212.260	250.000	-15.1

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Analytical Sequence

Client: AECOM **SDG No.:** Q3395

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	10/23/2025	09:24	PD090775.D	9.07	3.54
PEM	PEM	10/23/2025	09:38	PD090776.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/23/2025	09:51	PD090777.D	9.07	3.54
PB170213BL	PB170213BL	10/23/2025	13:16	PD090778.D	9.08	3.55
PB170213BS	PB170213BS	10/23/2025	13:30	PD090779.D	9.07	3.54
PR132-S09-000051-20251017	Q3395-01	10/23/2025	14:16	PD090782.D	9.07	3.54
PR132-S07-000102-20251017	Q3395-02	10/23/2025	14:30	PD090783.D	9.07	3.54
PR132-S07-000102-20251017MS	Q3395-03MS	10/23/2025	14:44	PD090784.D	9.07	3.54
PR132-S07-000102-20251017MSD	Q3395-04MSD	10/23/2025	14:57	PD090785.D	9.07	3.54
PR132-S07-102116-20251017	Q3395-05	10/23/2025	15:11	PD090786.D	9.07	3.54
PR132-COMP03-2025-20251017	Q3395-06	10/23/2025	15:25	PD090787.D	9.07	3.54
I.BLK	I.BLK	10/23/2025	15:38	PD090788.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/23/2025	15:52	PD090789.D	9.07	3.54

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Analytical Sequence

Client: AECOM **SDG No.:** Q3395

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	10/23/2025	09:24	PD090775.D	8.06	2.87
PEM	PEM	10/23/2025	09:38	PD090776.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/23/2025	09:51	PD090777.D	8.06	2.87
PB170213BL	PB170213BL	10/23/2025	13:16	PD090778.D	8.06	2.87
PB170213BS	PB170213BS	10/23/2025	13:30	PD090779.D	8.06	2.87
PR132-S09-000051-20251017	Q3395-01	10/23/2025	14:16	PD090782.D	8.06	2.87
PR132-S07-000102-20251017	Q3395-02	10/23/2025	14:30	PD090783.D	8.06	2.87
PR132-S07-000102-20251017MS	Q3395-03MS	10/23/2025	14:44	PD090784.D	8.06	2.87
PR132-S07-000102-20251017MSD	Q3395-04MSD	10/23/2025	14:57	PD090785.D	8.06	2.87
PR132-S07-102116-20251017	Q3395-05	10/23/2025	15:11	PD090786.D	8.06	2.87
PR132-COMP03-2025-20251017	Q3395-06	10/23/2025	15:25	PD090787.D	8.06	2.87
I.BLK	I.BLK	10/23/2025	15:38	PD090788.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/23/2025	15:52	PD090789.D	8.06	2.87

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170213BS

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3395

Lab Sample ID: PB170213BS **Date(s) Analyzed:** 10/23/2025 10/23/2025

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	16.8	0
	2	5.92	5.87	5.97	16.8	
4,4'-DDE	1	6.19	6.14	6.24	15.1	8.3
	2	5.36	5.31	5.41	16.4	
4,4'-DDT	1	7.02	6.97	7.07	16.3	4.2
	2	6.17	6.12	6.22	17.0	
alpha-BHC	1	3.99	3.94	4.04	15.4	1.9
	2	3.38	3.33	3.43	15.7	
Aldrin	1	5.26	5.21	5.31	15.4	3.2
	2	4.36	4.31	4.41	15.9	
alpha-Chlordane	1	6.02	5.97	6.07	15.5	3.2
	2	5.18	5.13	5.23	16.0	
Endosulfan II	1	6.78	6.73	6.83	16.2	2.4
	2	6.07	6.02	6.12	16.6	
Endosulfan sulfate	1	7.15	7.10	7.20	15.6	6.8
	2	6.47	6.42	6.52	16.7	
beta-BHC	1	4.51	4.46	4.56	15.1	3.3
	2	4.02	3.97	4.07	15.6	
delta-BHC	1	4.76	4.71	4.81	15.6	1.9
	2	4.25	4.20	4.30	15.9	
Endosulfan I	1	6.07	6.02	6.12	15.6	3.3
	2	5.24	5.19	5.29	15.1	
Dieldrin	1	6.34	6.29	6.39	15.7	3.8
	2	5.50	5.45	5.55	16.3	
Endrin aldehyde	1	6.91	6.86	6.96	16.3	4.8
	2	6.25	6.20	6.30	17.1	
Methoxychlor	1	7.49	7.44	7.54	16.0	4.9
	2	6.74	6.69	6.79	16.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170213BS

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3395

Lab Sample ID: PB170213BS **Date(s) Analyzed:** 10/23/2025 10/23/2025

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	16.1	8.3
	2	6.98	6.93	7.03	17.5	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	15.2	3.2
	2	3.72	3.67	3.77	15.7	
Heptachlor	1	4.92	4.87	4.97	18.2	11.6
	2	4.07	4.02	4.12	16.2	
Heptachlor epoxide	1	5.68	5.63	5.73	15.9	0.6
	2	4.86	4.81	4.91	15.8	
gamma-Chlordane	1	5.94	5.89	5.99	15.3	5.1
	2	5.12	5.07	5.17	16.1	
Endrin	1	6.57	6.52	6.62	15.5	6.3
	2	5.78	5.73	5.83	16.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3395

Lab Sample ID: Q3395-02 **Date(s) Analyzed:** 10/23/2025 10/23/2025

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	1.50	40
	2	5.92	5.87	5.97	1.00	
4,4'-DDE	1	6.19	6.14	6.24	6.90	26.2
	2	5.36	5.31	5.41	5.30	
Dieldrin	1	6.34	6.29	6.39	0.42	101.6
	2	5.50	5.45	5.55	1.30	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PR132-S07-000102-20251017MS

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG NO.: Q3395
Lab Sample ID: Q3395-03MS
Date(s) Analyzed: 10/23/2025 10/23/2025
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	34.6	15.2
	2	5.92	5.87	5.97	29.7	
4,4'-DDE	1	6.19	6.14	6.24	36.6	8.8
	2	5.37	5.32	5.42	33.5	
Endosulfan II	1	6.78	6.73	6.83	31.1	0.6
	2	6.07	6.02	6.12	30.9	
4,4'-DDT	1	7.02	6.97	7.07	33.8	9
	2	6.17	6.12	6.22	30.9	
Endrin aldehyde	1	6.91	6.86	6.96	32.9	5.9
	2	6.25	6.20	6.30	31.0	
Endosulfan sulfate	1	7.14	7.09	7.19	32.5	5.4
	2	6.47	6.42	6.52	30.8	
Methoxychlor	1	7.49	7.44	7.54	33.5	4.6
	2	6.74	6.69	6.79	32.0	
Endrin ketone	1	7.63	7.58	7.68	33.7	11
	2	6.98	6.93	7.03	30.2	
alpha-BHC	1	3.99	3.94	4.04	31.9	10.6
	2	3.39	3.34	3.44	28.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	31.9	8.8
	2	3.72	3.67	3.77	29.2	
Heptachlor	1	4.92	4.87	4.97	38.0	17.5
	2	4.07	4.02	4.12	31.9	
Aldrin	1	5.26	5.21	5.31	32.6	9.3
	2	4.36	4.31	4.41	29.7	
beta-BHC	1	4.51	4.46	4.56	27.9	3.5
	2	4.02	3.97	4.07	28.9	
delta-BHC	1	4.76	4.71	4.81	32.6	6.7
	2	4.25	4.20	4.30	30.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017MS

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3395

Lab Sample ID: Q3395-03MS **Date(s) Analyzed:** 10/23/2025 10/23/2025

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
Heptachlor epoxide	1	5.68	5.63	5.73	33.3	6.5
	2	4.86	4.81	4.91	31.2	
Endosulfan I	1	6.07	6.02	6.12	32.6	19.9
	2	5.24	5.19	5.29	26.7	
gamma-Chlordane	1	5.94	5.89	5.99	30.8	2.6
	2	5.11	5.06	5.16	31.6	
alpha-Chlordane	1	6.02	5.97	6.07	36.2	15.5
	2	5.18	5.13	5.23	31.0	
Dieldrin	1	6.34	6.29	6.39	32.7	4.1
	2	5.50	5.45	5.55	31.4	
Endrin	1	6.57	6.52	6.62	32.6	9.3
	2	5.78	5.73	5.83	29.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PR132-S07-000102-20251017MSI

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG NO.: Q3395
Lab Sample ID: Q3395-04MSD
Date(s) Analyzed: 10/23/2025 10/23/2025
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	34.4	15.3
	2	5.92	5.87	5.97	29.5	
4,4'-DDT	1	7.02	6.97	7.07	34.0	9.9
	2	6.17	6.12	6.22	30.8	
alpha-BHC	1	3.99	3.94	4.04	31.9	10.9
	2	3.39	3.34	3.44	28.6	
Aldrin	1	5.26	5.21	5.31	32.6	9.3
	2	4.36	4.31	4.41	29.7	
beta-BHC	1	4.51	4.46	4.56	26.3	9.4
	2	4.02	3.97	4.07	28.9	
delta-BHC	1	4.76	4.71	4.81	32.6	7.3
	2	4.26	4.21	4.31	30.3	
Endosulfan I	1	6.07	6.02	6.12	31.9	18.5
	2	5.24	5.19	5.29	26.5	
alpha-Chlordane	1	6.02	5.97	6.07	31.4	1.9
	2	5.18	5.13	5.23	30.8	
4,4'-DDE	1	6.19	6.14	6.24	37.2	10.8
	2	5.37	5.32	5.42	33.4	
Dieldrin	1	6.34	6.29	6.39	32.9	4.7
	2	5.50	5.45	5.55	31.4	
Endosulfan II	1	6.78	6.73	6.83	31.5	1.3
	2	6.07	6.02	6.12	31.1	
Endrin aldehyde	1	6.91	6.86	6.96	32.8	6.3
	2	6.25	6.20	6.30	30.8	
Endosulfan sulfate	1	7.15	7.10	7.20	32.5	6
	2	6.47	6.42	6.52	30.6	
Methoxychlor	1	7.49	7.44	7.54	33.2	2.1
	2	6.74	6.69	6.79	32.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PR132-S07-000102-20251017MSI

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3395

Lab Sample ID: Q3395-04MSD **Date(s) Analyzed:** 10/23/2025 10/23/2025

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	34.1	13.1
	2	6.98	6.93	7.03	29.9	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	31.9	9.2
	2	3.72	3.67	3.77	29.1	
Heptachlor	1	4.92	4.87	4.97	38.1	17.4
	2	4.07	4.02	4.12	32.0	
Heptachlor epoxide	1	5.69	5.64	5.74	32.4	5.4
	2	4.86	4.81	4.91	30.7	
gamma-Chlordane	1	5.94	5.89	5.99	31.0	1
	2	5.12	5.07	5.17	31.3	
Endrin	1	6.57	6.52	6.62	32.1	9.8
	2	5.78	5.73	5.83	29.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S09-000051-20251017

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3395

Lab Sample ID: Q3395-01 **Date(s) Analyzed:** 10/23/2025 10/23/2025

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
gamma-Chlordane	1	5.94	5.89	5.99	0.49	10.8
	2	5.12	5.07	5.17	0.44	
4,4'-DDE	1	6.19	6.14	6.24	1.10	40.5
	2	5.36	5.31	5.41	0.73	

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LAB CHRONICLE

OrderID:	Q3395	**OrderDate:**	10/17/2025 4:25:00 PM
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
Q3395-01	**PR132-S09-000051-2 0251017**	**SOIL**			**10/17/25**			**10/17/25**
			PCB	8082A		10/23/25	10/23/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	
Q3395-02	**PR132-S07-000102-2 0251017**	**SOIL**			**10/17/25**			**10/17/25**
			PCB	8082A		10/23/25	10/23/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	
Q3395-05	**PR132-S07-102116-2 0251017**	**SOIL**			**10/17/25**			**10/17/25**
			PCB	8082A		10/23/25	10/23/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	
Q3395-06	**PR132-COMP03-2025-20251017**	**SOIL**			**10/17/25**			**10/17/25**
			PCB	8082A		10/23/25	10/23/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3395 **Order ID:** Q3395

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-S09-000051-20251017								
Q3395-01	PR132-S09-000051-2(	SOIL	Aroclor-1242	53.1		7.60	32.1	ug/kg
Q3395-01	PR132-S09-000051-2(	SOIL	Aroclor-1254	23.2	J	6.10	32.1	ug/kg
			Total Concentration:	**76.300**				
Client ID : PR132-S07-000102-20251017								
Q3395-02	PR132-S07-000102-2(	SOIL	Aroclor-1254	26.3	J	6.70	35.4	ug/kg
			Total Concentration:	**26.300**				

SAMPLE DATA

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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:	PR132-S09-000051-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	52.9
Sample Wt/Vol:	30.06 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	32.1	U	1	7.50	32.1	ug/kg	10/23/25 15:19	PB170227
11104-28-2	Aroclor-1221	32.1	U	1	7.60	32.1	ug/kg	10/23/25 15:19	PB170227
11141-16-5	Aroclor-1232	32.1	U	1	7.00	32.1	ug/kg	10/23/25 15:19	PB170227
53469-21-9	Aroclor-1242	53.1		1	7.60	32.1	ug/kg	10/23/25 15:19	PB170227
12672-29-6	Aroclor-1248	32.1	U	1	11.2	32.1	ug/kg	10/23/25 15:19	PB170227
11097-69-1	Aroclor-1254	23.2	J	1	6.10	32.1	ug/kg	10/23/25 15:19	PB170227
37324-23-5	Aroclor-1262	32.1	U	1	9.50	32.1	ug/kg	10/23/25 15:19	PB170227
11100-14-4	Aroclor-1268	32.1	U	1	6.80	32.1	ug/kg	10/23/25 15:19	PB170227
11096-82-5	Aroclor-1260	32.1	U	1	6.10	32.1	ug/kg	10/23/25 15:19	PB170227
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.2			32 - 144	121%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.5			32 - 175	113%	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:	PR132-S07-000102-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	47.9
Sample Wt/Vol:	30.04 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	35.4	U	1	8.20	35.4	ug/kg	10/23/25 15:33	PB170227
11104-28-2	Aroclor-1221	35.4	U	1	8.40	35.4	ug/kg	10/23/25 15:33	PB170227
11141-16-5	Aroclor-1232	35.4	U	1	7.80	35.4	ug/kg	10/23/25 15:33	PB170227
53469-21-9	Aroclor-1242	35.4	U	1	8.40	35.4	ug/kg	10/23/25 15:33	PB170227
12672-29-6	Aroclor-1248	35.4	U	1	12.3	35.4	ug/kg	10/23/25 15:33	PB170227
11097-69-1	Aroclor-1254	26.3	J	1	6.70	35.4	ug/kg	10/23/25 15:33	PB170227
37324-23-5	Aroclor-1262	35.4	U	1	10.5	35.4	ug/kg	10/23/25 15:33	PB170227
11100-14-4	Aroclor-1268	35.4	U	1	7.50	35.4	ug/kg	10/23/25 15:33	PB170227
11096-82-5	Aroclor-1260	35.4	U	1	6.70	35.4	ug/kg	10/23/25 15:33	PB170227
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.0			32 - 144	120%	SPK: 20		
2051-24-3	Decachlorobiphenyl	24.6			32 - 175	123%	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:	PR132-S07-102116-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-05	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	51.4
Sample Wt/Vol:	30.05 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	33.0	U	1	7.70	33.0	ug/kg	10/23/25 16:17	PB170227
11104-28-2	Aroclor-1221	33.0	U	1	7.80	33.0	ug/kg	10/23/25 16:17	PB170227
11141-16-5	Aroclor-1232	33.0	U	1	7.20	33.0	ug/kg	10/23/25 16:17	PB170227
53469-21-9	Aroclor-1242	33.0	U	1	7.80	33.0	ug/kg	10/23/25 16:17	PB170227
12672-29-6	Aroclor-1248	33.0	U	1	11.5	33.0	ug/kg	10/23/25 16:17	PB170227
11097-69-1	Aroclor-1254	33.0	U	1	6.20	33.0	ug/kg	10/23/25 16:17	PB170227
37324-23-5	Aroclor-1262	33.0	U	1	9.80	33.0	ug/kg	10/23/25 16:17	PB170227
11100-14-4	Aroclor-1268	33.0	U	1	7.00	33.0	ug/kg	10/23/25 16:17	PB170227
11096-82-5	Aroclor-1260	33.0	U	1	6.30	33.0	ug/kg	10/23/25 16:17	PB170227
SURROGATES									
877-09-8	Tetrachloro-m-xylene	26.8			32 - 144	134%	SPK: 20		
2051-24-3	Decachlorobiphenyl	29.4			32 - 175	147%	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:	PR132-COMP03-2025-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-06	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	69.8
Sample Wt/Vol:	30.03 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	24.3	U	1	5.70	24.3	ug/kg	10/23/25 16:32	PB170227
11104-28-2	Aroclor-1221	24.3	U	1	5.80	24.3	ug/kg	10/23/25 16:32	PB170227
11141-16-5	Aroclor-1232	24.3	U	1	5.30	24.3	ug/kg	10/23/25 16:32	PB170227
53469-21-9	Aroclor-1242	24.3	U	1	5.70	24.3	ug/kg	10/23/25 16:32	PB170227
12672-29-6	Aroclor-1248	24.3	U	1	8.50	24.3	ug/kg	10/23/25 16:32	PB170227
11097-69-1	Aroclor-1254	24.3	U	1	4.60	24.3	ug/kg	10/23/25 16:32	PB170227
37324-23-5	Aroclor-1262	24.3	U	1	7.20	24.3	ug/kg	10/23/25 16:32	PB170227
11100-14-4	Aroclor-1268	24.3	U	1	5.20	24.3	ug/kg	10/23/25 16:32	PB170227
11096-82-5	Aroclor-1260	24.3	U	1	4.60	24.3	ug/kg	10/23/25 16:32	PB170227
SURROGATES									
877-09-8	Tetrachloro-m-xylene	25.4			32 - 144	127%	SPK: 20		
2051-24-3	Decachlorobiphenyl	23.6			32 - 175	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

QC SUMMARY

Alliance TECHNICAL GROUP
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Surrogate Summary

SDG No.: Q3395

Client: AECOM

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
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-PQ071102.D	PIBLK-PQ071102.D	Tetrachloro-m-xyl	1	20	20.6	103		60	140
		Decachlorobiphen	1	20	23.2	116		60	140
		Tetrachloro-m-xyl	2	20	19.1	95		60	140
		Decachlorobiphen	2	20	22.9	114		60	140
PB170227BL	PB170227BL	Tetrachloro-m-xyl	1	20	24.4	122		32	144
		Decachlorobiphen	1	20	27.7	138		32	175
		Tetrachloro-m-xyl	2	20	22.8	114		32	144
		Decachlorobiphen	2	20	26.7	134		32	175
Q3395-01	PR132-S09-000051-20251017	Tetrachloro-m-xyl	1	20	24.2	121		32	144
		Decachlorobiphen	1	20	22.5	113		32	175
		Tetrachloro-m-xyl	2	20	22.9	115		32	144
		Decachlorobiphen	2	20	21.8	109		32	175
Q3395-02	PR132-S07-000102-20251017	Tetrachloro-m-xyl	1	20	24.0	120		32	144
		Decachlorobiphen	1	20	24.6	123		32	175
		Tetrachloro-m-xyl	2	20	19.0	95		32	144
		Decachlorobiphen	2	20	22.9	114		32	175
Q3395-03MS	PR132-S07-000102-20251017MS	Tetrachloro-m-xyl	1	20	26.2	131		32	144
		Decachlorobiphen	1	20	29.6	148		32	175
		Tetrachloro-m-xyl	2	20	22.4	112		32	144
		Decachlorobiphen	2	20	27.5	138		32	175
Q3395-04MSD	PR132-S07-000102-20251017MS	Tetrachloro-m-xyl	1	20	26.3	131		32	144
		Decachlorobiphen	1	20	29.8	149		32	175
		Tetrachloro-m-xyl	2	20	22.1	110		32	144
		Decachlorobiphen	2	20	27.6	138		32	175
Q3395-05	PR132-S07-102116-20251017	Tetrachloro-m-xyl	1	20	26.8	134		32	144
		Decachlorobiphen	1	20	29.4	147		32	175
		Tetrachloro-m-xyl	2	20	24.9	124		32	144
		Decachlorobiphen	2	20	27.6	138		32	175
Q3395-06	PR132-COMP03-2025-20251017	Tetrachloro-m-xyl	1	20	25.4	127		32	144
		Decachlorobiphen	1	20	23.6	118		32	175
		Tetrachloro-m-xyl	2	20	23.6	118		32	144
		Decachlorobiphen	2	20	22.7	114		32	175
I.BLK-PQ071117.D	PIBLK-PQ071117.D	Tetrachloro-m-xyl	1	20	20.7	104		60	140
		Decachlorobiphen	1	20	23.6	118		60	140
		Tetrachloro-m-xyl	2	20	19.3	97		60	140
		Decachlorobiphen	2	20	23.0	115		60	140
I.BLK-PQ071120.D	PIBLK-PQ071120.D	Tetrachloro-m-xyl	1	20	20.3	101		60	140

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Surrogate Summary

SDG No.: Q3395

Client: AECOM

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PQ071120.D	PIBLK-PQ071120.D	Decachlorobiphen	1	20	23.2	116		60	140
		Tetrachloro-m-xyl	2	20	18.0	90		60	140
		Decachlorobiphen	2	20	21.9	110		60	140
PB170227BS	PB170227BS	Tetrachloro-m-xyl	1	20	22.2	111		32	144
		Decachlorobiphen	1	20	25.4	127		32	175
		Tetrachloro-m-xyl	2	20	18.1	91		32	144
		Decachlorobiphen	2	20	23.8	119		32	175
I.BLK-PQ071128.D	PIBLK-PQ071128.D	Tetrachloro-m-xyl	1	20	20.8	104		60	140
		Decachlorobiphen	1	20	24.2	121		60	140
		Tetrachloro-m-xyl	2	20	18.4	92		60	140
		Decachlorobiphen	2	20	22.9	115		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** 8082A

Client: AECOM **DataFile :** PQ071107.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3395-03MS (Column 1)**	**Client Sample ID:**		**PR132-S07-000102-202510**								
	AR1016	347.7	0	351	ug/kg	101				55	146	
	AR1260	347.7	0	332	ug/kg	95				54	119	
Lab Sample ID:	**Q3395-03MS (Column 2)**	**Client Sample ID:**		**PR132-S07-000102-202510**								
	AR1016	347.7	0	289	ug/kg	83				55	146	
	AR1260	347.7	0	275	ug/kg	79				54	119	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** 8082A

Client: AECOM **DataFile :** PQ071108.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3395-04MSD (Column 1)**	**Client Sample ID:**		**PR132-S07-000102-202510**								
	AR1016	347.1	0	352	ug/kg	101		0		55	146	15
	AR1260	347.1	0	330	ug/kg	95		0		54	119	15
Lab Sample ID:	**Q3395-04MSD (Column 2)**	**Client Sample ID:**		**PR132-S07-000102-202510**								
	AR1016	347.1	0	293	ug/kg	84		1		55	146	15
	AR1260	347.1	0	272	ug/kg	78		1		54	119	15

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** 8082A

Client: AECOM **Datafile :** PQ071123.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170227BS (Column 1)	AR1016	166.5	178	ug/kg	107				71	120	
	AR1260	166.5	181	ug/kg	109				65	130	
PB170227BS (Column 2)	AR1016	166.5	144	ug/kg	86				71	120	
	AR1260	166.5	145	ug/kg	87				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB170227BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3395

Lab Sample ID: PB170227BL | Lab File ID: PQ071103.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 10/23/2025

Date Analyzed (1): 10/23/2025 | Date Analyzed (2): 10/23/2025

Time Analyzed (1): 14:50 | Time Analyzed (2): 14:50

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
PR132-S09-000051-20251017	Q3395-01	PQ071105.D	10/23/2025	10/23/2025
PR132-S07-000102-20251017	Q3395-02	PQ071106.D	10/23/2025	10/23/2025
PR132-S07-000102-20251017MS	Q3395-03MS	PQ071107.D	10/23/2025	10/23/2025
PR132-S07-000102-20251017MSD	Q3395-04MSD	PQ071108.D	10/23/2025	10/23/2025
PR132-S07-102116-20251017	Q3395-05	PQ071109.D	10/23/2025	10/23/2025
PR132-COMP03-2025-20251017	Q3395-06	PQ071110.D	10/23/2025	10/23/2025
PB170227BS	PB170227BS	PQ071123.D	10/24/2025	10/24/2025

COMMENTS:

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3395

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.:** Q3395

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.:** Q3395

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.: Q3395
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.:** Q3395

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.:** Q3395

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.:** Q3395

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

Continuing Calib Time: 13:37 **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.:** Q3395

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

Continuing Calib Time: 13:37 **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.:** Q3395

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

Client Sample No.: CCAL01 **Date Analyzed:** 10/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071098.D **Time Analyzed:** 13:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.480	4.380	4.580	547.800	500.000	9.6
Aroclor-1016-2	4.498	4.399	4.599	544.520	500.000	8.9
Aroclor-1016-3	4.556	4.456	4.656	550.240	500.000	10.0
Aroclor-1016-4	4.646	4.546	4.746	556.420	500.000	11.3
Aroclor-1016-5	4.931	4.831	5.031	553.620	500.000	10.7
Aroclor-1260-1	6.020	5.919	6.119	549.350	500.000	9.9
Aroclor-1260-2	6.276	6.175	6.375	554.480	500.000	10.9
Aroclor-1260-3	6.627	6.526	6.726	559.460	500.000	11.9
Aroclor-1260-4	6.841	6.740	6.940	571.200	500.000	14.2
Aroclor-1260-5	7.146	7.045	7.245	565.790	500.000	13.2
Decachlorobiphenyl	8.498	8.396	8.596	56.680	50.000	13.4
Tetrachloro-m-xylene	3.399	3.300	3.500	54.440	50.000	8.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3395

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

Client Sample No.: CCAL01 **Date Analyzed:** 10/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071098.D **Time Analyzed:** 13:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.776	3.678	3.878	453.960	500.000	-9.2
Aroclor-1016-2	3.792	3.693	3.893	452.590	500.000	-9.5
Aroclor-1016-3	3.951	3.853	4.053	464.930	500.000	-7.0
Aroclor-1016-4	4.000	3.902	4.102	469.520	500.000	-6.1
Aroclor-1016-5	4.195	4.097	4.297	470.610	500.000	-5.9
Aroclor-1260-1	5.188	5.089	5.289	476.540	500.000	-4.7
Aroclor-1260-2	5.377	5.278	5.478	468.050	500.000	-6.4
Aroclor-1260-3	5.518	5.419	5.619	457.860	500.000	-8.4
Aroclor-1260-4	5.978	5.879	6.079	473.740	500.000	-5.3
Aroclor-1260-5	6.222	6.124	6.324	469.640	500.000	-6.1
Decachlorobiphenyl	7.532	7.433	7.633	55.130	50.000	10.3
Tetrachloro-m-xylene	2.776	2.678	2.878	49.120	50.000	-1.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3395

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

Continuing Calib Time: 17:59 **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.:** Q3395

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

Continuing Calib Time: 17:59 **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.:** Q3395

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

Client Sample No.: CCAL02 **Date Analyzed:** 10/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071113.D **Time Analyzed:** 17:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.480	4.380	4.580	544.580	500.000	8.9
Aroclor-1016-2	4.499	4.399	4.599	548.660	500.000	9.7
Aroclor-1016-3	4.556	4.456	4.656	555.030	500.000	11.0
Aroclor-1016-4	4.646	4.546	4.746	561.360	500.000	12.3
Aroclor-1016-5	4.930	4.831	5.031	552.730	500.000	10.5
Aroclor-1260-1	6.020	5.919	6.119	554.140	500.000	10.8
Aroclor-1260-2	6.276	6.175	6.375	560.510	500.000	12.1
Aroclor-1260-3	6.628	6.526	6.726	569.440	500.000	13.9
Aroclor-1260-4	6.841	6.740	6.940	581.630	500.000	16.3
Aroclor-1260-5	7.147	7.045	7.245	575.760	500.000	15.2
Decachlorobiphenyl	8.498	8.396	8.596	57.760	50.000	15.5
Tetrachloro-m-xylene	3.400	3.300	3.500	54.630	50.000	9.3

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3395

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

Client Sample No.: CCAL02 **Date Analyzed:** 10/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071113.D **Time Analyzed:** 17:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.776	3.678	3.878	447.270	500.000	-10.5
Aroclor-1016-2	3.791	3.693	3.893	454.990	500.000	-9.0
Aroclor-1016-3	3.952	3.853	4.053	468.020	500.000	-6.4
Aroclor-1016-4	4.000	3.902	4.102	465.860	500.000	-6.8
Aroclor-1016-5	4.195	4.097	4.297	471.500	500.000	-5.7
Aroclor-1260-1	5.187	5.089	5.289	475.400	500.000	-4.9
Aroclor-1260-2	5.377	5.278	5.478	464.790	500.000	-7.0
Aroclor-1260-3	5.518	5.419	5.619	460.820	500.000	-7.8
Aroclor-1260-4	5.978	5.879	6.079	472.380	500.000	-5.5
Aroclor-1260-5	6.223	6.124	6.324	455.280	500.000	-8.9
Decachlorobiphenyl	7.532	7.433	7.633	55.270	50.000	10.5
Tetrachloro-m-xylene	2.776	2.678	2.878	48.960	50.000	-2.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3395

Continuing Calib Date: 10/24/2025 **Initial Calibration Date(s):** 10/10/2025 10/10/2025

Continuing Calib Time: 08:52 **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.:** Q3395

Continuing Calib Date: 10/24/2025 **Initial Calibration Date(s):** 10/10/2025 10/10/2025

Continuing Calib Time: 08:52 **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.:** Q3395

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

Client Sample No.: CCAL03 **Date Analyzed:** 10/24/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071119.D **Time Analyzed:** 08:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.480	4.380	4.580	529.290	500.000	5.9
Aroclor-1016-2	4.499	4.399	4.599	527.760	500.000	5.6
Aroclor-1016-3	4.557	4.456	4.656	540.370	500.000	8.1
Aroclor-1016-4	4.647	4.546	4.746	539.790	500.000	8.0
Aroclor-1016-5	4.931	4.831	5.031	531.950	500.000	6.4
Aroclor-1260-1	6.021	5.919	6.119	517.090	500.000	3.4
Aroclor-1260-2	6.277	6.175	6.375	516.680	500.000	3.3
Aroclor-1260-3	6.628	6.526	6.726	542.990	500.000	8.6
Aroclor-1260-4	6.842	6.740	6.940	552.950	500.000	10.6
Aroclor-1260-5	7.147	7.045	7.245	543.020	500.000	8.6
Decachlorobiphenyl	8.499	8.396	8.596	54.590	50.000	9.2
Tetrachloro-m-xylene	3.400	3.300	3.500	52.510	50.000	5.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3395

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

Client Sample No.: CCAL03 **Date Analyzed:** 10/24/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071119.D **Time Analyzed:** 08:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.776	3.678	3.878	423.330	500.000	-15.3
Aroclor-1016-2	3.791	3.693	3.893	423.970	500.000	-15.2
Aroclor-1016-3	3.952	3.853	4.053	438.320	500.000	-12.3
Aroclor-1016-4	4.000	3.902	4.102	444.030	500.000	-11.2
Aroclor-1016-5	4.195	4.097	4.297	436.450	500.000	-12.7
Aroclor-1260-1	5.187	5.089	5.289	433.170	500.000	-13.4
Aroclor-1260-2	5.376	5.278	5.478	431.050	500.000	-13.8
Aroclor-1260-3	5.517	5.419	5.619	433.100	500.000	-13.4
Aroclor-1260-4	5.977	5.879	6.079	438.310	500.000	-12.3
Aroclor-1260-5	6.222	6.124	6.324	424.780	500.000	-15.0
Decachlorobiphenyl	7.532	7.433	7.633	51.170	50.000	2.3
Tetrachloro-m-xylene	2.776	2.678	2.878	45.960	50.000	-8.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3395

Continuing Calib Date: 10/24/2025 **Initial Calibration Date(s):** 10/10/2025 10/10/2025

Continuing Calib Time: 10:36 **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.:** Q3395

Continuing Calib Date: 10/24/2025 **Initial Calibration Date(s):** 10/10/2025 10/10/2025

Continuing Calib Time: 10:36 **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.:** Q3395

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

Client Sample No.: CCAL04 **Date Analyzed:** 10/24/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071124.D **Time Analyzed:** 10:36

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.480	4.380	4.580	535.180	500.000	7.0
Aroclor-1016-2	4.499	4.399	4.599	521.020	500.000	4.2
Aroclor-1016-3	4.556	4.456	4.656	530.020	500.000	6.0
Aroclor-1016-4	4.646	4.546	4.746	529.540	500.000	5.9
Aroclor-1016-5	4.930	4.831	5.031	526.950	500.000	5.4
Aroclor-1260-1	6.020	5.919	6.119	515.670	500.000	3.1
Aroclor-1260-2	6.276	6.175	6.375	516.240	500.000	3.2
Aroclor-1260-3	6.627	6.526	6.726	541.410	500.000	8.3
Aroclor-1260-4	6.840	6.740	6.940	553.630	500.000	10.7
Aroclor-1260-5	7.147	7.045	7.245	544.110	500.000	8.8
Decachlorobiphenyl	8.497	8.396	8.596	54.590	50.000	9.2
Tetrachloro-m-xylene	3.400	3.300	3.500	52.250	50.000	4.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3395

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

Client Sample No.: CCAL04 **Date Analyzed:** 10/24/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071124.D **Time Analyzed:** 10:36

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.776	3.678	3.878	427.210	500.000	-14.6
Aroclor-1016-2	3.792	3.693	3.893	424.110	500.000	-15.2
Aroclor-1016-3	3.951	3.853	4.053	434.870	500.000	-13.0
Aroclor-1016-4	4.000	3.902	4.102	441.890	500.000	-11.6
Aroclor-1016-5	4.195	4.097	4.297	439.520	500.000	-12.1
Aroclor-1260-1	5.187	5.089	5.289	435.740	500.000	-12.9
Aroclor-1260-2	5.376	5.278	5.478	433.990	500.000	-13.2
Aroclor-1260-3	5.517	5.419	5.619	438.480	500.000	-12.3
Aroclor-1260-4	5.978	5.879	6.079	442.200	500.000	-11.6
Aroclor-1260-5	6.222	6.124	6.324	441.170	500.000	-11.8
Decachlorobiphenyl	7.531	7.433	7.633	51.410	50.000	2.8
Tetrachloro-m-xylene	2.776	2.678	2.878	46.210	50.000	-7.6

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Analytical Sequence

Client: AECOM **SDG No.:** Q3395

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

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

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	10/10/2025	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
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	10/23/2025	13:37	PQ071098.D	8.50	3.40
I.BLK	I.BLK	10/23/2025	14:35	PQ071102.D	8.50	3.40
PB170227BL	PB170227BL	10/23/2025	14:50	PQ071103.D	8.50	3.40
PR132-S09-000051-20251017	Q3395-01	10/23/2025	15:19	PQ071105.D	8.50	3.40
PR132-S07-000102-20251017	Q3395-02	10/23/2025	15:33	PQ071106.D	8.50	3.40
PR132-S07-000102-20251017MS	Q3395-03MS	10/23/2025	15:48	PQ071107.D	8.50	3.40
PR132-S07-000102-20251017MSD	Q3395-04MSD	10/23/2025	16:03	PQ071108.D	8.50	3.40
PR132-S07-102116-20251017	Q3395-05	10/23/2025	16:17	PQ071109.D	8.50	3.40
PR132-COMP03-2025-20251017	Q3395-06	10/23/2025	16:32	PQ071110.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/23/2025	17:59	PQ071113.D	8.50	3.40
I.BLK	I.BLK	10/23/2025	19:56	PQ071117.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/24/2025	08:52	PQ071119.D	8.50	3.40
I.BLK	I.BLK	10/24/2025	09:06	PQ071120.D	8.50	3.40

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Analytical Sequence

PB170227BS	PB170227BS	10/24/2025	10:07	PQ071123.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/24/2025	10:36	PQ071124.D	8.50	3.40
I.BLK	I.BLK	10/24/2025	11:46	PQ071128.D	8.51	3.41

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Analytical Sequence

Client: AECOM **SDG No.:** Q3395

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

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

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	10/10/2025	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
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	10/23/2025	13:37	PQ071098.D	7.53	2.78
I.BLK	I.BLK	10/23/2025	14:35	PQ071102.D	7.53	2.78
PB170227BL	PB170227BL	10/23/2025	14:50	PQ071103.D	7.53	2.78
PR132-S09-000051-20251017	Q3395-01	10/23/2025	15:19	PQ071105.D	7.53	2.78
PR132-S07-000102-20251017	Q3395-02	10/23/2025	15:33	PQ071106.D	7.53	2.78
PR132-S07-000102-20251017MS	Q3395-03MS	10/23/2025	15:48	PQ071107.D	7.53	2.78
PR132-S07-000102-20251017MSD	Q3395-04MSD	10/23/2025	16:03	PQ071108.D	7.53	2.78
PR132-S07-102116-20251017	Q3395-05	10/23/2025	16:17	PQ071109.D	7.53	2.78
PR132-COMP03-2025-20251017	Q3395-06	10/23/2025	16:32	PQ071110.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/23/2025	17:59	PQ071113.D	7.53	2.78
I.BLK	I.BLK	10/23/2025	19:56	PQ071117.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/24/2025	08:52	PQ071119.D	7.53	2.78
I.BLK	I.BLK	10/24/2025	09:06	PQ071120.D	7.53	2.78

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Analytical Sequence

PB170227BS	PB170227BS	10/24/2025	10:07	PQ071123.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/24/2025	10:36	PQ071124.D	7.53	2.78
I.BLK	I.BLK	10/24/2025	11:46	PQ071128.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:	PB170227BL	SDG No.:	Q3395
Lab Sample ID:	PB170227BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/23/25		

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	10/23/25 14:50	PB170227
11104-28-2	Aroclor-1221	17.0	U	1	4.00	17.0	ug/kg	10/23/25 14:50	PB170227
11141-16-5	Aroclor-1232	17.0	U	1	3.70	17.0	ug/kg	10/23/25 14:50	PB170227
53469-21-9	Aroclor-1242	17.0	U	1	4.00	17.0	ug/kg	10/23/25 14:50	PB170227
12672-29-6	Aroclor-1248	17.0	U	1	5.90	17.0	ug/kg	10/23/25 14:50	PB170227
11097-69-1	Aroclor-1254	17.0	U	1	3.20	17.0	ug/kg	10/23/25 14:50	PB170227
37324-23-5	Aroclor-1262	17.0	U	1	5.00	17.0	ug/kg	10/23/25 14:50	PB170227
11100-14-4	Aroclor-1268	17.0	U	1	3.60	17.0	ug/kg	10/23/25 14:50	PB170227
11096-82-5	Aroclor-1260	17.0	U	1	3.20	17.0	ug/kg	10/23/25 14:50	PB170227
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.4			32 - 144	122%	SPK: 20		
2051-24-3	Decachlorobiphenyl	27.7			32 - 175	138%	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:	10/10/25
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.:	Q3395
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:	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
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:	10/23/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/23/25
Client Sample ID:	PIBLK-PQ071102.D	SDG No.:	Q3395
Lab Sample ID:	I.BLK-PQ071102.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	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	10/23/25	pq102325
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/23/25	pq102325
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/23/25	pq102325
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/23/25	pq102325
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/23/25	pq102325
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/23/25	pq102325
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/23/25	pq102325
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/23/25	pq102325
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/23/25	pq102325
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.1			60 - 140	95%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.9			60 - 140	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
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:	10/23/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/23/25
Client Sample ID:	PIBLK-PQ071117.D	SDG No.:	Q3395
Lab Sample ID:	I.BLK-PQ071117.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	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	10/23/25	PQ102325
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/23/25	PQ102325
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/23/25	PQ102325
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/23/25	PQ102325
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/23/25	PQ102325
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/23/25	PQ102325
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/23/25	PQ102325
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/23/25	PQ102325
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/23/25	PQ102325
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.3			60 - 140	97%	SPK: 20		
2051-24-3	Decachlorobiphenyl	23.0			60 - 140	115%	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:	10/24/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/24/25
Client Sample ID:	PIBLK-PQ071120.D	SDG No.:	Q3395
Lab Sample ID:	I.BLK-PQ071120.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	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	10/24/25	PQ102425
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/24/25	PQ102425
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/24/25	PQ102425
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/24/25	PQ102425
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/24/25	PQ102425
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/24/25	PQ102425
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/24/25	PQ102425
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/24/25	PQ102425
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/24/25	PQ102425
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.0			60 - 140	90%	SPK: 20		
2051-24-3	Decachlorobiphenyl	21.9			60 - 140	110%	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:	10/24/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/24/25
Client Sample ID:	PIBLK-PQ071128.D	SDG No.:	Q3395
Lab Sample ID:	I.BLK-PQ071128.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	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	10/24/25	PQ102425
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/24/25	PQ102425
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/24/25	PQ102425
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/24/25	PQ102425
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/24/25	PQ102425
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/24/25	PQ102425
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/24/25	PQ102425
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/24/25	PQ102425
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/24/25	PQ102425
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.4			60 - 140	92%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.9			60 - 140	115%	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:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170227BS	SDG No.:	Q3395
Lab Sample ID:	PB170227BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	178		1	3.90	17.0	ug/kg	10/24/25 10:07	PB170227
11104-28-2	Aroclor-1221	17.0	U	1	4.00	17.0	ug/kg	10/24/25 10:07	PB170227
11141-16-5	Aroclor-1232	17.0	U	1	3.70	17.0	ug/kg	10/24/25 10:07	PB170227
53469-21-9	Aroclor-1242	17.0	U	1	4.00	17.0	ug/kg	10/24/25 10:07	PB170227
12672-29-6	Aroclor-1248	17.0	U	1	5.90	17.0	ug/kg	10/24/25 10:07	PB170227
11097-69-1	Aroclor-1254	17.0	U	1	3.20	17.0	ug/kg	10/24/25 10:07	PB170227
37324-23-5	Aroclor-1262	17.0	U	1	5.00	17.0	ug/kg	10/24/25 10:07	PB170227
11100-14-4	Aroclor-1268	17.0	U	1	3.60	17.0	ug/kg	10/24/25 10:07	PB170227
11096-82-5	Aroclor-1260	181		1	3.20	17.0	ug/kg	10/24/25 10:07	PB170227
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.2			32 - 144	111%	SPK: 20		
2051-24-3	Decachlorobiphenyl	25.4			32 - 175	127%	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
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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:	PR132-S07-000102-20251017MS	SDG No.:	Q3395
Lab Sample ID:	Q3395-03MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	47.9
Sample Wt/Vol:	30.02 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	351		1	8.20	35.5	ug/kg	10/23/25 15:48	PB170227
11104-28-2	Aroclor-1221	35.5	U	1	8.40	35.5	ug/kg	10/23/25 15:48	PB170227
11141-16-5	Aroclor-1232	35.5	U	1	7.80	35.5	ug/kg	10/23/25 15:48	PB170227
53469-21-9	Aroclor-1242	35.5	U	1	8.40	35.5	ug/kg	10/23/25 15:48	PB170227
12672-29-6	Aroclor-1248	35.5	U	1	12.4	35.5	ug/kg	10/23/25 15:48	PB170227
11097-69-1	Aroclor-1254	198		1	6.70	35.5	ug/kg	10/23/25 15:48	PB170227
37324-23-5	Aroclor-1262	35.5	U	1	10.5	35.5	ug/kg	10/23/25 15:48	PB170227
11100-14-4	Aroclor-1268	35.5	U	1	7.50	35.5	ug/kg	10/23/25 15:48	PB170227
11096-82-5	Aroclor-1260	332		1	6.70	35.5	ug/kg	10/23/25 15:48	PB170227
SURROGATES									
877-09-8	Tetrachloro-m-xylene	26.2			32 - 144	131%	SPK: 20		
2051-24-3	Decachlorobiphenyl	29.6			32 - 175	148%	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
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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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:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-20251017MSD	SDG No.:	Q3395
Lab Sample ID:	Q3395-04MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	47.9
Sample Wt/Vol:	30.07 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	352		1	8.20	35.4	ug/kg	10/23/25 16:03	PB170227
11104-28-2	Aroclor-1221	35.4	U	1	8.40	35.4	ug/kg	10/23/25 16:03	PB170227
11141-16-5	Aroclor-1232	35.4	U	1	7.70	35.4	ug/kg	10/23/25 16:03	PB170227
53469-21-9	Aroclor-1242	35.4	U	1	8.40	35.4	ug/kg	10/23/25 16:03	PB170227
12672-29-6	Aroclor-1248	35.4	U	1	12.3	35.4	ug/kg	10/23/25 16:03	PB170227
11097-69-1	Aroclor-1254	197		1	6.70	35.4	ug/kg	10/23/25 16:03	PB170227
37324-23-5	Aroclor-1262	35.4	U	1	10.5	35.4	ug/kg	10/23/25 16:03	PB170227
11100-14-4	Aroclor-1268	35.4	U	1	7.50	35.4	ug/kg	10/23/25 16:03	PB170227
11096-82-5	Aroclor-1260	330		1	6.70	35.4	ug/kg	10/23/25 16:03	PB170227
SURROGATES									
877-09-8	Tetrachloro-m-xylene	26.3			32 - 144	131%	SPK: 20		
2051-24-3	Decachlorobiphenyl	29.8			32 - 175	149%	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:	Q3395	**OrderDate:**	10/17/2025 4:25:00 PM
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
Q3395-01	**PR132-S09-000051-2 0251017**	**SOIL**			**10/17/25**			**10/17/25**
			Mercury	7471B		10/21/25	10/22/25	
			Metals ICP-TAL	6020B		10/21/25	10/22/25	
Q3395-02	**PR132-S07-000102-2 0251017**	**SOIL**			**10/17/25**			**10/17/25**
			Mercury	7471B		10/21/25	10/22/25	
			Metals ICP-TAL	6020B		10/21/25	10/22/25	
Q3395-05	**PR132-S07-102116-2 0251017**	**SOIL**			**10/17/25**			**10/17/25**
			Mercury	7471B		10/21/25	10/22/25	
			Metals ICP-TAL	6020B		10/21/25	10/22/25	
Q3395-06	**PR132-COMP03-2025-20251017**	**SOIL**			**10/17/25**			**10/17/25**
			Mercury	7471B		10/21/25	10/22/25	
			Metals ICP-TAL	6020B		10/21/25	10/22/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3395 **Order ID:** Q3395

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-S09-000051-20251017								
Q3395-01	PR132-S09-000051-20251017	SOIL	Aluminum	11600		0.58	3.20	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Antimony	0.16	J	0.072	0.32	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Arsenic	17.2		0.019	0.16	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Barium	164		0.053	1.60	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Beryllium	1.08		0.051	0.16	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Cadmium	7.56		0.029	0.16	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Calcium	6220		7.67	80.1	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Chromium	249	D	0.21	1.60	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Cobalt	12.6		0.014	0.16	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Copper	294		0.10	0.32	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Iron	33400		1.47	8.01	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Lead	667		0.051	0.16	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Magnesium	8400		3.09	80.1	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Manganese	316		0.054	0.16	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Nickel	69.4		0.069	0.16	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Mercury	5.65	D	0.12	0.22	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Potassium	2920		6.15	80.1	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Selenium	1.69		0.45	0.80	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Silver	6.87		0.042	0.16	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Sodium	10500		11.2	80.1	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Thallium	0.30		0.022	0.16	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Vanadium	45.7		0.018	0.80	mg/Kg
Q3395-01	PR132-S09-000051-20251017	SOIL	Zinc	549		0.14	0.80	mg/Kg
Client ID : PR132-S07-000102-20251017								
Q3395-02	PR132-S07-000102-20251017	SOIL	Aluminum	15400		0.65	3.60	mg/Kg
Q3395-02	PR132-S07-000102-20251017	SOIL	Antimony	0.23	J	0.081	0.36	mg/Kg
Q3395-02	PR132-S07-000102-20251017	SOIL	Arsenic	40.2		0.022	0.18	mg/Kg
Q3395-02	PR132-S07-000102-20251017	SOIL	Barium	294		0.059	1.80	mg/Kg
Q3395-02	PR132-S07-000102-20251017	SOIL	Beryllium	1.15		0.058	0.18	mg/Kg
Q3395-02	PR132-S07-000102-20251017	SOIL	Cadmium	10.4		0.032	0.18	mg/Kg
Q3395-02	PR132-S07-000102-20251017	SOIL	Calcium	6070		8.62	90.0	mg/Kg
Q3395-02	PR132-S07-000102-20251017	SOIL	Chromium	437	D	0.23	1.80	mg/Kg
Q3395-02	PR132-S07-000102-20251017	SOIL	Cobalt	13.1		0.016	0.18	mg/Kg
Q3395-02	PR132-S07-000102-20251017	SOIL	Copper	417		0.12	0.36	mg/Kg
Q3395-02	PR132-S07-000102-20251017	SOIL	Iron	41500		1.66	9.00	mg/Kg
Q3395-02	PR132-S07-000102-20251017	SOIL	Lead	502		0.058	0.18	mg/Kg
Q3395-02	PR132-S07-000102-20251017	SOIL	Magnesium	8620		3.47	90.0	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3395 **Order ID:** Q3395

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
Q3395-02	PR132-S07-000102-20251017	SOIL	Manganese	400		0.061	0.18	mg/Kg
Q3395-02	PR132-S07-000102-20251017	SOIL	Nickel	61.2		0.077	0.18	mg/Kg
Q3395-02	PR132-S07-000102-20251017	SOIL	Mercury	4.52	D	0.14	0.25	mg/Kg
Q3395-02	PR132-S07-000102-20251017	SOIL	Potassium	3350		6.91	90.0	mg/Kg
Q3395-02	PR132-S07-000102-20251017	SOIL	Selenium	2.47		0.50	0.90	mg/Kg
Q3395-02	PR132-S07-000102-20251017	SOIL	Silver	8.09		0.047	0.18	mg/Kg
Q3395-02	PR132-S07-000102-20251017	SOIL	Sodium	9850		12.6	90.0	mg/Kg
Q3395-02	PR132-S07-000102-20251017	SOIL	Thallium	0.43		0.025	0.18	mg/Kg
Q3395-02	PR132-S07-000102-20251017	SOIL	Vanadium	66.4		0.020	0.90	mg/Kg
Q3395-02	PR132-S07-000102-20251017	SOIL	Zinc	574		0.16	0.90	mg/Kg
Client ID :	**PR132-S07-102116-20251017**							
Q3395-05	PR132-S07-102116-20251017	SOIL	Aluminum	21600	D	3.24	18.0	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Antimony	0.29	J	0.081	0.36	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Arsenic	61.1		0.022	0.18	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Barium	602		0.059	1.80	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Beryllium	1.49		0.058	0.18	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Cadmium	8.72		0.032	0.18	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Calcium	8660		8.63	90.1	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Chromium	295	D	0.23	1.80	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Cobalt	17.2		0.016	0.18	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Copper	481		0.12	0.36	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Iron	59400	D	8.29	45.0	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Lead	784		0.058	0.18	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Magnesium	11400		3.48	90.1	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Manganese	529		0.061	0.18	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Nickel	79.8		0.077	0.18	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Mercury	6.11	D	0.13	0.24	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Potassium	4110		6.92	90.1	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Selenium	3.97		0.50	0.90	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Silver	8.37		0.047	0.18	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Sodium	8680		12.6	90.1	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Thallium	0.73		0.025	0.18	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Vanadium	65.1		0.020	0.90	mg/Kg
Q3395-05	PR132-S07-102116-20251017	SOIL	Zinc	853		0.16	0.90	mg/Kg
Client ID :	**PR132-COMP03-2025-20251017**							
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Aluminum	8520		0.44	2.43	mg/Kg
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Antimony	0.16	J	0.055	0.24	mg/Kg
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Arsenic	27.3		0.015	0.12	mg/Kg
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Barium	246		0.040	1.21	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3395 **Order ID:** Q3395

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
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Beryllium	0.67		0.039	0.12	mg/Kg
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Cadmium	2.95		0.022	0.12	mg/Kg
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Calcium	3710		5.82	60.7	mg/Kg
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Chromium	104		0.032	0.24	mg/Kg
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Cobalt	8.67		0.011	0.12	mg/Kg
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Copper	193		0.079	0.24	mg/Kg
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Iron	25800		1.12	6.07	mg/Kg
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Lead	343		0.039	0.12	mg/Kg
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Magnesium	4910		2.34	60.7	mg/Kg
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Manganese	330		0.041	0.12	mg/Kg
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Nickel	40.3		0.052	0.12	mg/Kg
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Mercury	0.97		0.011	0.020	mg/Kg
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Potassium	1630		4.66	60.7	mg/Kg
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Selenium	1.66		0.34	0.61	mg/Kg
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Silver	3.15		0.032	0.12	mg/Kg
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Sodium	1300		8.52	60.7	mg/Kg
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Thallium	0.28		0.017	0.12	mg/Kg
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Vanadium	29.4		0.013	0.61	mg/Kg
Q3395-06	PR132-COMP03-2025-20251017	SOIL	Zinc	324		0.11	0.61	mg/Kg

SAMPLE DATA

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:	PR132-S09-000051-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	52.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	11600		1	0.58	3.20	mg/Kg	10/21/25 10:45	10/22/25 17:31	6020B	SW3050
7440-36-0	Antimony	0.16	J	1	0.072	0.32	mg/Kg	10/21/25 10:45	10/22/25 17:31	6020B	SW3050
7440-38-2	Arsenic	17.2		1	0.019	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:31	6020B	SW3050
7440-39-3	Barium	164	N	1	0.053	1.60	mg/Kg	10/21/25 10:45	10/22/25 17:31	6020B	SW3050
7440-41-7	Beryllium	1.08		1	0.051	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:31	6020B	SW3050
7440-43-9	Cadmium	7.56		1	0.029	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:31	6020B	SW3050
7440-70-2	Calcium	6220		1	7.67	80.1	mg/Kg	10/21/25 10:45	10/22/25 17:31	6020B	SW3050
7440-47-3	Chromium	249	D	5	0.21	1.60	mg/Kg	10/21/25 10:45	10/22/25 20:35	6020B	SW3050
7440-48-4	Cobalt	12.6		1	0.014	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:31	6020B	SW3050
7440-50-8	Copper	294		1	0.10	0.32	mg/Kg	10/21/25 10:45	10/22/25 17:31	6020B	SW3050
7439-89-6	Iron	33400		1	1.47	8.01	mg/Kg	10/21/25 10:45	10/22/25 17:31	6020B	SW3050
7439-92-1	Lead	667	N	1	0.051	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:31	6020B	SW3050
7439-95-4	Magnesium	8400		1	3.09	80.1	mg/Kg	10/21/25 10:45	10/22/25 17:31	6020B	SW3050
7439-96-5	Manganese	316		1	0.054	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:31	6020B	SW3050
7439-97-6	Mercury	5.65	D	10	0.12	0.22	mg/Kg	10/21/25 11:20	10/22/25 13:43	7471B	7471B
7440-02-0	Nickel	69.4	N	1	0.069	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:31	6020B	SW3050
7440-09-7	Potassium	2920		1	6.15	80.1	mg/Kg	10/21/25 10:45	10/22/25 17:31	6020B	SW3050
7782-49-2	Selenium	1.69	N	1	0.45	0.80	mg/Kg	10/21/25 10:45	10/22/25 17:31	6020B	SW3050
7440-22-4	Silver	6.87	N	1	0.042	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:31	6020B	SW3050
7440-23-5	Sodium	10500		1	11.2	80.1	mg/Kg	10/21/25 10:45	10/22/25 17:31	6020B	SW3050
7440-28-0	Thallium	0.30		1	0.022	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:31	6020B	SW3050
7440-62-2	Vanadium	45.7		1	0.018	0.80	mg/Kg	10/21/25 10:45	10/22/25 17:31	6020B	SW3050
7440-66-6	Zinc	549		1	0.14	0.80	mg/Kg	10/21/25 10:45	10/22/25 17:31	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:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	47.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	15400		1	0.65	3.60	mg/Kg	10/21/25 10:45	10/22/25 17:34	6020B	SW3050
7440-36-0	Antimony	0.23	J	1	0.081	0.36	mg/Kg	10/21/25 10:45	10/22/25 17:34	6020B	SW3050
7440-38-2	Arsenic	40.2		1	0.022	0.18	mg/Kg	10/21/25 10:45	10/22/25 17:34	6020B	SW3050
7440-39-3	Barium	294	N	1	0.059	1.80	mg/Kg	10/21/25 10:45	10/22/25 17:34	6020B	SW3050
7440-41-7	Beryllium	1.15		1	0.058	0.18	mg/Kg	10/21/25 10:45	10/22/25 17:34	6020B	SW3050
7440-43-9	Cadmium	10.4		1	0.032	0.18	mg/Kg	10/21/25 10:45	10/22/25 17:34	6020B	SW3050
7440-70-2	Calcium	6070		1	8.62	90.0	mg/Kg	10/21/25 10:45	10/22/25 17:34	6020B	SW3050
7440-47-3	Chromium	437	D	5	0.23	1.80	mg/Kg	10/21/25 10:45	10/22/25 20:38	6020B	SW3050
7440-48-4	Cobalt	13.1		1	0.016	0.18	mg/Kg	10/21/25 10:45	10/22/25 17:34	6020B	SW3050
7440-50-8	Copper	417		1	0.12	0.36	mg/Kg	10/21/25 10:45	10/22/25 17:34	6020B	SW3050
7439-89-6	Iron	41500		1	1.66	9.00	mg/Kg	10/21/25 10:45	10/22/25 17:34	6020B	SW3050
7439-92-1	Lead	502	N	1	0.058	0.18	mg/Kg	10/21/25 10:45	10/22/25 17:34	6020B	SW3050
7439-95-4	Magnesium	8620		1	3.47	90.0	mg/Kg	10/21/25 10:45	10/22/25 17:34	6020B	SW3050
7439-96-5	Manganese	400		1	0.061	0.18	mg/Kg	10/21/25 10:45	10/22/25 17:34	6020B	SW3050
7439-97-6	Mercury	4.52	D	10	0.14	0.25	mg/Kg	10/21/25 11:20	10/22/25 13:45	7471B	7471B
7440-02-0	Nickel	61.2	N	1	0.077	0.18	mg/Kg	10/21/25 10:45	10/22/25 17:34	6020B	SW3050
7440-09-7	Potassium	3350		1	6.91	90.0	mg/Kg	10/21/25 10:45	10/22/25 17:34	6020B	SW3050
7782-49-2	Selenium	2.47	N	1	0.50	0.90	mg/Kg	10/21/25 10:45	10/22/25 17:34	6020B	SW3050
7440-22-4	Silver	8.09	N	1	0.047	0.18	mg/Kg	10/21/25 10:45	10/22/25 17:34	6020B	SW3050
7440-23-5	Sodium	9850		1	12.6	90.0	mg/Kg	10/21/25 10:45	10/22/25 17:34	6020B	SW3050
7440-28-0	Thallium	0.43		1	0.025	0.18	mg/Kg	10/21/25 10:45	10/22/25 17:34	6020B	SW3050
7440-62-2	Vanadium	66.4		1	0.020	0.90	mg/Kg	10/21/25 10:45	10/22/25 17:34	6020B	SW3050
7440-66-6	Zinc	574		1	0.16	0.90	mg/Kg	10/21/25 10:45	10/22/25 17:34	6020B	SW3050

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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:	PR132-S07-102116-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	51.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	21600	D	5	3.24	18.0	mg/Kg	10/21/25 10:45	10/22/25 20:57	6020B	SW3050
7440-36-0	Antimony	0.29	J	1	0.081	0.36	mg/Kg	10/21/25 10:45	10/22/25 18:23	6020B	SW3050
7440-38-2	Arsenic	61.1		1	0.022	0.18	mg/Kg	10/21/25 10:45	10/22/25 18:23	6020B	SW3050
7440-39-3	Barium	602	N	1	0.059	1.80	mg/Kg	10/21/25 10:45	10/22/25 18:23	6020B	SW3050
7440-41-7	Beryllium	1.49		1	0.058	0.18	mg/Kg	10/21/25 10:45	10/22/25 18:23	6020B	SW3050
7440-43-9	Cadmium	8.72		1	0.032	0.18	mg/Kg	10/21/25 10:45	10/22/25 18:23	6020B	SW3050
7440-70-2	Calcium	8660		1	8.63	90.1	mg/Kg	10/21/25 10:45	10/22/25 18:23	6020B	SW3050
7440-47-3	Chromium	295	D	5	0.23	1.80	mg/Kg	10/21/25 10:45	10/22/25 20:57	6020B	SW3050
7440-48-4	Cobalt	17.2		1	0.016	0.18	mg/Kg	10/21/25 10:45	10/22/25 18:23	6020B	SW3050
7440-50-8	Copper	481		1	0.12	0.36	mg/Kg	10/21/25 10:45	10/22/25 18:23	6020B	SW3050
7439-89-6	Iron	59400	D	5	8.29	45.0	mg/Kg	10/21/25 10:45	10/22/25 20:57	6020B	SW3050
7439-92-1	Lead	784	N	1	0.058	0.18	mg/Kg	10/21/25 10:45	10/22/25 18:23	6020B	SW3050
7439-95-4	Magnesium	11400		1	3.48	90.1	mg/Kg	10/21/25 10:45	10/22/25 18:23	6020B	SW3050
7439-96-5	Manganese	529		1	0.061	0.18	mg/Kg	10/21/25 10:45	10/22/25 18:23	6020B	SW3050
7439-97-6	Mercury	6.11	D	10	0.13	0.24	mg/Kg	10/21/25 11:20	10/22/25 14:00	7471B	7471B
7440-02-0	Nickel	79.8	N	1	0.077	0.18	mg/Kg	10/21/25 10:45	10/22/25 18:23	6020B	SW3050
7440-09-7	Potassium	4110		1	6.92	90.1	mg/Kg	10/21/25 10:45	10/22/25 18:23	6020B	SW3050
7782-49-2	Selenium	3.97	N	1	0.50	0.90	mg/Kg	10/21/25 10:45	10/22/25 18:23	6020B	SW3050
7440-22-4	Silver	8.37	N	1	0.047	0.18	mg/Kg	10/21/25 10:45	10/22/25 18:23	6020B	SW3050
7440-23-5	Sodium	8680		1	12.6	90.1	mg/Kg	10/21/25 10:45	10/22/25 18:23	6020B	SW3050
7440-28-0	Thallium	0.73		1	0.025	0.18	mg/Kg	10/21/25 10:45	10/22/25 18:23	6020B	SW3050
7440-62-2	Vanadium	65.1		1	0.020	0.90	mg/Kg	10/21/25 10:45	10/22/25 18:23	6020B	SW3050
7440-66-6	Zinc	853		1	0.16	0.90	mg/Kg	10/21/25 10:45	10/22/25 18:23	6020B	SW3050

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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:	PR132-COMP03-2025-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	69.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8520		1	0.44	2.43	mg/Kg	10/21/25 10:45	10/22/25 18:26	6020B	SW3050
7440-36-0	Antimony	0.16	J	1	0.055	0.24	mg/Kg	10/21/25 10:45	10/22/25 18:26	6020B	SW3050
7440-38-2	Arsenic	27.3		1	0.015	0.12	mg/Kg	10/21/25 10:45	10/22/25 18:26	6020B	SW3050
7440-39-3	Barium	246	N	1	0.040	1.21	mg/Kg	10/21/25 10:45	10/22/25 18:26	6020B	SW3050
7440-41-7	Beryllium	0.67		1	0.039	0.12	mg/Kg	10/21/25 10:45	10/22/25 18:26	6020B	SW3050
7440-43-9	Cadmium	2.95		1	0.022	0.12	mg/Kg	10/21/25 10:45	10/22/25 18:26	6020B	SW3050
7440-70-2	Calcium	3710		1	5.82	60.7	mg/Kg	10/21/25 10:45	10/22/25 18:26	6020B	SW3050
7440-47-3	Chromium	104		1	0.032	0.24	mg/Kg	10/21/25 10:45	10/22/25 18:26	6020B	SW3050
7440-48-4	Cobalt	8.67		1	0.011	0.12	mg/Kg	10/21/25 10:45	10/22/25 18:26	6020B	SW3050
7440-50-8	Copper	193		1	0.079	0.24	mg/Kg	10/21/25 10:45	10/22/25 18:26	6020B	SW3050
7439-89-6	Iron	25800		1	1.12	6.07	mg/Kg	10/21/25 10:45	10/22/25 18:26	6020B	SW3050
7439-92-1	Lead	343	N	1	0.039	0.12	mg/Kg	10/21/25 10:45	10/22/25 18:26	6020B	SW3050
7439-95-4	Magnesium	4910		1	2.34	60.7	mg/Kg	10/21/25 10:45	10/22/25 18:26	6020B	SW3050
7439-96-5	Manganese	330		1	0.041	0.12	mg/Kg	10/21/25 10:45	10/22/25 18:26	6020B	SW3050
7439-97-6	Mercury	0.97		1	0.011	0.020	mg/Kg	10/21/25 11:20	10/22/25 12:37	7471B	7471B
7440-02-0	Nickel	40.3	N	1	0.052	0.12	mg/Kg	10/21/25 10:45	10/22/25 18:26	6020B	SW3050
7440-09-7	Potassium	1630		1	4.66	60.7	mg/Kg	10/21/25 10:45	10/22/25 18:26	6020B	SW3050
7782-49-2	Selenium	1.66	N	1	0.34	0.61	mg/Kg	10/21/25 10:45	10/22/25 18:26	6020B	SW3050
7440-22-4	Silver	3.15	N	1	0.032	0.12	mg/Kg	10/21/25 10:45	10/22/25 18:26	6020B	SW3050
7440-23-5	Sodium	1300		1	8.52	60.7	mg/Kg	10/21/25 10:45	10/22/25 18:26	6020B	SW3050
7440-28-0	Thallium	0.28		1	0.017	0.12	mg/Kg	10/21/25 10:45	10/22/25 18:26	6020B	SW3050
7440-62-2	Vanadium	29.4		1	0.013	0.61	mg/Kg	10/21/25 10:45	10/22/25 18:26	6020B	SW3050
7440-66-6	Zinc	324		1	0.11	0.61	mg/Kg	10/21/25 10:45	10/22/25 18:26	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

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3395

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.:** Q3395

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

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3395

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

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3395

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

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3395

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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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3395

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.:** Q3395

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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- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3395

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

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3395

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.:** Q3395

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.:** Q3395

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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CRDL STANDARD FOR AA & ICP

Client: AECOM **SDG No.:** Q3395

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	0.17	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.:** Q3395

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.:** Q3395

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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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3395

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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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3395

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.:** Q3395

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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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3395

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.:** Q3395

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.:** Q3395

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.:** Q3395

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.:** Q3395

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170201BL		**SOLID**		**Batch Number:**	**PB170201**		**Prep Date:**	**10/21/2025**	
	Mercury	0.0070	<0.013	U	0.013	CV	10/22/2025	11:49	LB137610

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PREPARATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3395

Instrument: P7

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170186BL		**SOLID**		**Batch Number:**	**PB170186**		**Prep Date:**	**10/21/2025**	
	Aluminum	0.36	<1	U	2.00	P	10/22/2025	15:27	LB137619
	Antimony	0.045	<0.1	U	0.20	P	10/22/2025	15:27	LB137619
	Arsenic	0.012	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Barium	0.033	<0.5	U	1.00	P	10/22/2025	15:27	LB137619
	Beryllium	0.032	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Cadmium	0.018	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Calcium	4.79	<25	U	50.0	P	10/22/2025	15:27	LB137619
	Chromium	0.026	<0.1	U	0.20	P	10/22/2025	15:27	LB137619
	Cobalt	0.0090	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Copper	0.065	<0.1	U	0.20	P	10/22/2025	15:27	LB137619
	Iron	0.92	<2.5	U	5.00	P	10/22/2025	15:27	LB137619
	Lead	0.032	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Magnesium	1.93	<25	U	50.0	P	10/22/2025	15:27	LB137619
	Manganese	0.034	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Nickel	0.043	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Potassium	3.84	<25	U	50.0	P	10/22/2025	15:27	LB137619
	Selenium	0.28	<0.25	U	0.50	P	10/22/2025	15:27	LB137619
	Silver	0.026	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Sodium	7.02	<25	U	50.0	P	10/22/2025	15:27	LB137619
	Thallium	0.014	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Vanadium	0.011	<0.25	U	0.50	P	10/22/2025	15:27	LB137619
	Zinc	0.090	<0.25	U	0.50	P	10/22/2025	15:27	LB137619

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Metals
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INTERFERENCE CHECK SAMPLE

Client: AECOM **SDG No.:** Q3395

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.:** Q3395

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.:** Q3395

contract: AECO02 **lab code:** ACE

matrix: Solid **sample id:** Q3395-02 **client id:** PR132-S07-000102-20251017MS

Percent Solids for Sample: 47.9 **Spiked ID:** Q3395-03 **Percent Solids for Spike Sample:** 47.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	16800		15400		1700	84		P
Antimony	mg/Kg	75 - 125	80.1		0.23	J	87.0	92		P
Arsenic	mg/Kg	75 - 125	118		40.2		87.0	89		P
Barium	mg/Kg	75 - 125	850		294		430	128	N	P
Beryllium	mg/Kg	75 - 125	80.7		1.15		87.0	91		P
Cadmium	mg/Kg	75 - 125	92.6		10.4		87.0	94		P
Calcium	mg/Kg	75 - 125	16200		6070		8700	117		P
Chromium	mg/Kg	75 - 125	599	D	437	D	87.0	186		P
Cobalt	mg/Kg	75 - 125	91.2		13.1		87.0	90		P
Copper	mg/Kg	75 - 125	1200		417		870	90		P
Iron	mg/Kg	75 - 125	50900	D	48500	D	4300	56		P
Lead	mg/Kg	75 - 125	1230	D	546	D	430	157	N	P
Magnesium	mg/Kg	75 - 125	19200		8620		8700	122		P
Manganese	mg/Kg	75 - 125	1060		400		870	76		P
Nickel	mg/Kg	75 - 125	205	D	72.8	D	87.0	152	N	P
Mercury	mg/Kg	80 - 120	8.41	D	4.52	D	0.5	777		CV
Potassium	mg/Kg	75 - 125	6790		3350		4300	79		P
Selenium	mg/Kg	75 - 125	65.5		2.47		87.0	72	N	P
Silver	mg/Kg	75 - 125	18.1		8.09		87.0	11	N	P
Sodium	mg/Kg	75 - 125	19800		9850		8700	114		P
Thallium	mg/Kg	75 - 125	74.7		0.43		87.0	85		P
Vanadium	mg/Kg	75 - 125	159		66.4		87.0	106		P
Zinc	mg/Kg	75 - 125	1560		574		870	114		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3395

contract: AECO02 **lab code:** ACE

matrix: Solid **sample id:** Q3395-02 **client id:** PR132-S07-000102-20251017MSD

Percent Solids for Sample: 47.9 **Spiked ID:** Q3395-04 **Percent Solids for Spike Sample:** 47.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	16600		15400		1700	72		P
Antimony	mg/Kg	75 - 125	81.8		0.23	J	85.6	95		P
Arsenic	mg/Kg	75 - 125	115		40.2		85.6	88		P
Barium	mg/Kg	75 - 125	848		294		430	129	N	P
Beryllium	mg/Kg	75 - 125	77.1		1.15		85.6	89		P
Cadmium	mg/Kg	75 - 125	93.0		10.4		85.6	96		P
Calcium	mg/Kg	75 - 125	16200		6070		8600	119		P
Chromium	mg/Kg	75 - 125	586	D	437	D	85.6	174		P
Cobalt	mg/Kg	75 - 125	89.5		13.1		85.6	89		P
Copper	mg/Kg	75 - 125	1180		417		860	90		P
Iron	mg/Kg	75 - 125	49500	D	48500	D	4300	25		P
Lead	mg/Kg	75 - 125	1210	D	546	D	430	154	N	P
Magnesium	mg/Kg	75 - 125	18900		8620		8600	121		P
Manganese	mg/Kg	75 - 125	1050		400		860	76		P
Nickel	mg/Kg	75 - 125	201	D	72.8	D	85.6	150	N	P
Mercury	mg/Kg	80 - 120	8.56	D	4.52	D	0.49	824		CV
Potassium	mg/Kg	75 - 125	6680		3350		4300	78		P
Selenium	mg/Kg	75 - 125	64.8		2.47		85.6	73	N	P
Silver	mg/Kg	75 - 125	18.6		8.09		85.6	12	N	P
Sodium	mg/Kg	75 - 125	19500		9850		8600	113		P
Thallium	mg/Kg	75 - 125	71.9		0.43		85.6	83		P
Vanadium	mg/Kg	75 - 125	154		66.4		85.6	102		P
Zinc	mg/Kg	75 - 125	1540		574		860	113		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: AECOM **SDG No.:** Q3395

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Level:** LOW **Client ID:** PR132-S07-000102-20251017A

Sample ID: Q3395-02 **Spiked ID:** Q3395-02A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	mg/Kg	75 - 125	652		294		450	79		P
Lead	mg/Kg	75 - 125	955	D	546	D	450	91		P
Nickel	mg/Kg	75 - 125	148	D	72.8	D	90.0	84		P
Selenium	mg/Kg	75 - 125	69.5		2.47		90.0	74	N	P
Silver	mg/Kg	75 - 125	20.7		8.09		90.0	14	N	P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3395

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3395-02 **Client ID:** PR132-S07-000102-20251017DUP

Percent Solids for Sample: 47.9 **Duplicate ID** Q3395-02DUP **Percent Solids for Spike Sample:** 47.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	15400		14800		4		P
Antimony	mg/Kg	20	0.23	J	0.29	J	22		P
Arsenic	mg/Kg	20	40.2		37.7		6		P
Barium	mg/Kg	20	294		283		4		P
Beryllium	mg/Kg	20	1.15		1.10		4		P
Cadmium	mg/Kg	20	10.4		9.88		5		P
Calcium	mg/Kg	20	6070		5820		4		P
Chromium	mg/Kg	20	437	D	411	D	6		P
Cobalt	mg/Kg	20	13.1		12.5		5		P
Copper	mg/Kg	20	417		395		5		P
Iron	mg/Kg	20	41500		40600		2		P
Lead	mg/Kg	20	502		489		3		P
Magnesium	mg/Kg	20	8620		8290		4		P
Manganese	mg/Kg	20	400		383		4		P
Nickel	mg/Kg	20	61.2		59.3		3		P
Mercury	mg/Kg	20	4.52	D	5.12	D	12		CV
Potassium	mg/Kg	20	3350		3220		4		P
Selenium	mg/Kg	20	2.47		2.32		6		P
Silver	mg/Kg	20	8.09		7.61		6		P
Sodium	mg/Kg	20	9850		9460		4		P
Thallium	mg/Kg	20	0.43		0.41		3		P
Vanadium	mg/Kg	20	66.4		62.8		6		P
Zinc	mg/Kg	20	574		545		5		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.:** Q3395

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3395-03 **Client ID:** PR132-S07-000102-20251017MSD

Percent Solids for Sample: 47.9 **Duplicate ID** Q3395-04 **Percent Solids for Spike Sample:** 47.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	16800		16600		1		P
Antimony	mg/Kg	20	80.1		81.8		2		P
Arsenic	mg/Kg	20	118		115		3		P
Barium	mg/Kg	20	850		848		0		P
Beryllium	mg/Kg	20	80.7		77.1		5		P
Cadmium	mg/Kg	20	92.6		93.0		0		P
Calcium	mg/Kg	20	16200		16200		0		P
Chromium	mg/Kg	20	599	D	586	D	2		P
Cobalt	mg/Kg	20	91.2		89.5		2		P
Copper	mg/Kg	20	1200		1180		2		P
Iron	mg/Kg	20	50900	D	49500	D	3		P
Lead	mg/Kg	20	1230	D	1210	D	2		P
Magnesium	mg/Kg	20	19200		18900		2		P
Manganese	mg/Kg	20	1060		1050		1		P
Nickel	mg/Kg	20	205	D	201	D	2		P
Mercury	mg/Kg	20	8.41	D	8.56	D	2		CV
Potassium	mg/Kg	20	6790		6680		2		P
Selenium	mg/Kg	20	65.5		64.8		1		P
Silver	mg/Kg	20	18.1		18.6		3		P
Sodium	mg/Kg	20	19800		19500		2		P
Thallium	mg/Kg	20	74.7		71.9		4		P
Vanadium	mg/Kg	20	159		154		3		P
Zinc	mg/Kg	20	1560		1540		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.:** Q3395

Contract: AECO02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170186BS							
Aluminum	mg/Kg	1000	1070		107	80 - 120	P
Antimony	mg/Kg	50.0	52.8		106	80 - 120	P
Arsenic	mg/Kg	50.0	51.2		102	80 - 120	P
Barium	mg/Kg	250	261		104	80 - 120	P
Beryllium	mg/Kg	50.0	52.4		105	80 - 120	P
Cadmium	mg/Kg	50.0	52.9		106	80 - 120	P
Calcium	mg/Kg	5000	5370		107	80 - 120	P
Chromium	mg/Kg	50.0	55.3		111	80 - 120	P
Cobalt	mg/Kg	50.0	52.4		105	80 - 120	P
Copper	mg/Kg	500	531		106	80 - 120	P
Iron	mg/Kg	2500	2800		112	80 - 120	P
Lead	mg/Kg	250	260		104	80 - 120	P
Magnesium	mg/Kg	5000	5270		105	80 - 120	P
Manganese	mg/Kg	500	530		106	80 - 120	P
Nickel	mg/Kg	50.0	54.6		109	80 - 120	P
Potassium	mg/Kg	2500	2670		107	80 - 120	P
Selenium	mg/Kg	50.0	52.5		105	80 - 120	P
Silver	mg/Kg	50.0	49.7		99	80 - 120	P
Sodium	mg/Kg	5000	5370		107	80 - 120	P
Thallium	mg/Kg	50.0	52.8		106	80 - 120	P
Vanadium	mg/Kg	50.0	52.0		104	80 - 120	P
Zinc	mg/Kg	500	540		108	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM **SDG No.:** Q3395

Contract: AECO02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170201BS							
Mercury	mg/Kg	0.25	0.20		82	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.: Q3395
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

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3395
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										
ZZZZZZ	ZZZZZZ	1520										
ZZZZZZ	ZZZZZZ	1524										
PB170186BL	PB170186BL	1527	90		96		98		98		98	
PB170186BS	PB170186BS	1530	91		95		97		97		100	
ZZZZZZ	ZZZZZZ	1533										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
CCV04	CCV04	1545	92		99		101		96		101	
CCB04	CCB04	1600	87		96		98		98		97	
ZZZZZZ	ZZZZZZ	1603										
ZZZZZZ	ZZZZZZ	1606										
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
ZZZZZZ	ZZZZZZ	1625										
ZZZZZZ	ZZZZZZ	1631										
ZZZZZZ	ZZZZZZ	1640										
ZZZZZZ	ZZZZZZ	1643										
CCV05	CCV05	1646	94		102		103		99		105	
CCB05	CCB05	1655	87		95		98		98		100	
ZZZZZZ	ZZZZZZ	1700										
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										
ZZZZZZ	ZZZZZZ	1728										
Q3395-01	PR132-S09-01	1731	90		107		121		97		103	
Q3395-02	PR132-S07-01	1734	89		108		123		95		102	
Q3395-02DUP	PR132-S07-01	1741	92		110		126		99		106	

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.: Q3395

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
Q3395-02L	PR132-S07-01	1744	89		100		106		97		104	
CCV06	CCV06	1759	85		95		97		93		102	
CCB06	CCB06	1810	82		90		93		94		97	
Q3395-03	PR132-S07-01	1815	89		107		123		92		101	
Q3395-04	PR132-S07-01	1818	92		108		124		95		101	
Q3395-02A	PR132-S07-01	1821	91		105		121		95		103	
Q3395-05	PR132-S07-11	1823	93		108		130		95		103	
Q3395-06	PR132-COMP01	1826	90		104		117		94		100	
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										
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	84		92		96		92		98	
CCB08	CCB08	1952	78		89		92		92		94	
ZZZZZZ	ZZZZZZ	1957										
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	
Q3395-01	PR132-S09-01	2035	81		91		98		92		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.: Q3395

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
Q3395-02	PR132-S07-02	2038	84		93		100		95		99	
Q3395-02DUP	PR132-S07-02	2041	84		95		100		95		99	
Q3395-02L	PR132-S07-02	2044	83		93		97		97		98	
Q3395-03	PR132-S07-02	2048	84		96		105		97		98	
Q3395-04	PR132-S07-02	2051	84		96		102		94		98	
Q3395-02A	PR132-S07-02	2054	83		95		99		95		97	
Q3395-05	PR132-S07-12	2057	83		95		102		95		97	
ZZZZZZ	ZZZZZZ	2100										
CCV10	CCV10	2103	83		92		94		91		99	
CCB10	CCB10	2106	83		90		93		95		99	

Internal Standard %RI Limit: 70 - 130

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3395
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.: Q3395
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										
ZZZZZZ	ZZZZZZ	1520										
ZZZZZZ	ZZZZZZ	1524										
PB170186BL	PB170186BL	1527	94		98		98		100		100	
PB170186BS	PB170186BS	1530	96		98		95		101		104	
ZZZZZZ	ZZZZZZ	1533										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
CCV04	CCV04	1545	99		98		95		101		102	
CCB04	CCB04	1600	94		97		96		98		100	
ZZZZZZ	ZZZZZZ	1603										
ZZZZZZ	ZZZZZZ	1606										
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
ZZZZZZ	ZZZZZZ	1625										
ZZZZZZ	ZZZZZZ	1631										
ZZZZZZ	ZZZZZZ	1640										
ZZZZZZ	ZZZZZZ	1643										
CCV05	CCV05	1646	103		102		99		107		108	
CCB05	CCB05	1655	94		98		98		101		102	
ZZZZZZ	ZZZZZZ	1700										
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										
ZZZZZZ	ZZZZZZ	1728										
Q3395-01	PR132-S09-01	1731	109		122		98		106		106	
Q3395-02	PR132-S07-01	1734	109		123		97		105		103	
Q3395-02DUP	PR132-S07-01	1741	112		127		99		106		108	

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.: Q3395

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
Q3395-02L	PR132-S07-01	1744	101		106		102		104		106	
CCV06	CCV06	1759	96		96		93		102		102	
CCB06	CCB06	1810	89		93		93		97		97	
Q3395-03	PR132-S07-01	1815	108		121		94		104		103	
Q3395-04	PR132-S07-01	1818	109		123		97		104		104	
Q3395-02A	PR132-S07-01	1821	107		119		96		103		103	
Q3395-05	PR132-S07-11	1823	112		130		97		104		105	
Q3395-06	PR132-COMP01	1826	104		118		97		103		102	
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										
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	93		95		91		100		100	
CCB08	CCB08	1952	89		93		93		95		95	
ZZZZZZ	ZZZZZZ	1957										
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	
Q3395-01	PR132-S09-01	2035	93		98		94		97		99	

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.: Q3395

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
Q3395-02	PR132-S07-02	2038	95		100		96		100		100	
Q3395-02DUP	PR132-S07-02	2041	95		101		95		100		100	
Q3395-02L	PR132-S07-02	2044	94		97		96		98		99	
Q3395-03	PR132-S07-02	2048	96		102		95		100		100	
Q3395-04	PR132-S07-02	2051	96		100		96		100		100	
Q3395-02A	PR132-S07-02	2054	96		100		95		98		99	
Q3395-05	PR132-S07-12	2057	97		103		96		101		100	
ZZZZZZ	ZZZZZZ	2100										
CCV10	CCV10	2103	92		94		91		101		101	
CCB10	CCB10	2106	89		94		96		99		98	

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.: Q3395
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

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.: Q3395
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										
ZZZZZZ	ZZZZZZ	1520										
ZZZZZZ	ZZZZZZ	1524										
PB170186BL	PB170186BL	1527	97		97							
PB170186BS	PB170186BS	1530	101		97							
ZZZZZZ	ZZZZZZ	1533										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
CCV04	CCV04	1545	101		96							
CCB04	CCB04	1600	95		96							
ZZZZZZ	ZZZZZZ	1603										
ZZZZZZ	ZZZZZZ	1606										
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
ZZZZZZ	ZZZZZZ	1625										
ZZZZZZ	ZZZZZZ	1631										
ZZZZZZ	ZZZZZZ	1640										
ZZZZZZ	ZZZZZZ	1643										
CCV05	CCV05	1646	107		99							
CCB05	CCB05	1655	100		98							
ZZZZZZ	ZZZZZZ	1700										
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.: Q3395
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										
Q3395-01	PR132-S09-0(	1731	102		104							
Q3395-02	PR132-S07-0(	1734	101		104							
Q3395-02DUP	PR132-S07-0(	1741	106		105							
Q3395-02L	PR132-S07-0(	1744	103		101							
CCV06	CCV06	1759	101		94							
CCB06	CCB06	1810	97		95							
Q3395-03	PR132-S07-0(	1815	101		106							
Q3395-04	PR132-S07-0(	1818	103		111							
Q3395-02A	PR132-S07-0(	1821	103		104							
Q3395-05	PR132-S07-1(	1823	104		110							
Q3395-06	PR132-COMP03	1826	101		105							
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										
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	100		93							
CCB08	CCB08	1952	93		93							
ZZZZZZ	ZZZZZZ	1957										
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.: Q3395

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							
Q3395-01	PR132-S09-0(	2035	95		95							
Q3395-02	PR132-S07-0(	2038	99		98							
Q3395-02DUP	PR132-S07-0(	2041	98		97							
Q3395-02L	PR132-S07-0(	2044	97		95							
Q3395-03	PR132-S07-0(	2048	99		97							
Q3395-04	PR132-S07-0(	2051	98		99							
Q3395-02A	PR132-S07-0(	2054	97		95							
Q3395-05	PR132-S07-1(	2057	97		97							
ZZZZZZ	ZZZZZZ	2100										
CCV10	CCV10	2103	98		92							
CCB10	CCB10	2106	98		97							

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.: Q3395
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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Fax : 908 789 8922

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3395
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										
ZZZZZZ	ZZZZZZ	1520										
ZZZZZZ	ZZZZZZ	1524										
PB170186BL	PB170186BL	1527	98									
PB170186BS	PB170186BS	1530	97									
ZZZZZZ	ZZZZZZ	1533										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
CCV04	CCV04	1545	93									
CCB04	CCB04	1600	95									
ZZZZZZ	ZZZZZZ	1603										
ZZZZZZ	ZZZZZZ	1606										
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
ZZZZZZ	ZZZZZZ	1625										
ZZZZZZ	ZZZZZZ	1631										
ZZZZZZ	ZZZZZZ	1640										
ZZZZZZ	ZZZZZZ	1643										
CCV05	CCV05	1646	97									
CCB05	CCB05	1655	96									
ZZZZZZ	ZZZZZZ	1700										
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										

Internal Standard %RI Limit: 70 -130

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Fax : 908 789 8922

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3395
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										
Q3395-01	PR132-S09-0(	1731	102									
Q3395-02	PR132-S07-0(	1734	101									
Q3395-02DUP	PR132-S07-0(	1741	103									
Q3395-02L	PR132-S07-0(	1744	99									
CCV06	CCV06	1759	93									
CCB06	CCB06	1810	93									
Q3395-03	PR132-S07-0(	1815	106									
Q3395-04	PR132-S07-0(	1818	107									
Q3395-02A	PR132-S07-0(	1821	100									
Q3395-05	PR132-S07-1(	1823	109									
Q3395-06	PR132-COMP03	1826	102									
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										
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	89									
CCB08	CCB08	1952	93									
ZZZZZZ	ZZZZZZ	1957										
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.: Q3395
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									
Q3395-01	PR132-S09-0(	2035	96									
Q3395-02	PR132-S07-0(	2038	96									
Q3395-02DUP	PR132-S07-0(	2041	96									
Q3395-02L	PR132-S07-0(	2044	93									
Q3395-03	PR132-S07-0(	2048	97									
Q3395-04	PR132-S07-0(	2051	97									
Q3395-02A	PR132-S07-0(	2054	94									
Q3395-05	PR132-S07-1(	2057	97									
ZZZZZZ	ZZZZZZ	2100										
CCV10	CCV10	2103	90									
CCB10	CCB10	2106	96									

Internal Standard %RI Limit: 70 -130

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

PR132-S07-000102-20251017L

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **Lb No.:** lb137619 **Lab Sample ID :** Q3395-02L **SDG No.:** Q3395

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	15400		16500		7		P
Antimony	0.23	J	1.80	U	100.0		P
Arsenic	40.2		45.9		14		P
Barium	294		275		6		P
Beryllium	1.15		1.16		1		P
Cadmium	10.4		10.3		1		P
Calcium	6070		6560		8		P
Chromium	383	OR	407		6		P
Cobalt	13.1		14.0		8		P
Copper	417		446		7		P
Iron	41500		44800		8		P
Lead	502		516		3		P
Magnesium	8620		9240		7		P
Manganese	400		422		6		P
Nickel	61.2		66.0		8		P
Mercury	5.01	OR	5.77		15		CV
Potassium	3350		3600		8		P
Selenium	2.47		3.07	J	24		P
Silver	8.09		8.11		0		P
Sodium	9850		10700		9		P
Thallium	0.43		0.43	J	2		P
Vanadium	66.4		70.0		5		P
Zinc	574		623		9		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.:** Q3395

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:	**PB170186**						
PB170186BL	PB170186BL	MB	SOLID	10/21/2025	1.00	100.0	100.00
PB170186BS	PB170186BS	LCS	SOLID	10/21/2025	1.00	100.0	100.00
Q3395-01	PR132-S09-000051-20251017	SAM	SOLID	10/21/2025	1.18	100.0	52.90
Q3395-02	PR132-S07-000102-20251017	SAM	SOLID	10/21/2025	1.16	100.0	47.90
Q3395-02DUP	PR132-S07-000102-20251017DUP	DUP	SOLID	10/21/2025	1.23	100.0	47.90
Q3395-03	PR132-S07-000102-20251017MS	MS	SOLID	10/21/2025	1.20	100.0	47.90
Q3395-04	PR132-S07-000102-20251017MSD	MSD	SOLID	10/21/2025	1.22	100.0	47.90
Q3395-05	PR132-S07-102116-20251017	SAM	SOLID	10/21/2025	1.08	100.0	51.40
Q3395-06	PR132-COMP03-2025-20251017	SAM	SOLID	10/21/2025	1.18	100.0	69.80

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Metals
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SAMPLE PREPARATION SUMMARY

Client: AECOM **SDG No.:** Q3395

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:	**PB170201**						
PB170201BL	PB170201BL	MB	SOLID	10/21/2025	0.54	35.0	100.00
PB170201BS	PB170201BS	LCS	SOLID	10/21/2025	0.57	35.0	100.00
Q3395-01	PR132-S09-000051-20251017	SAM	SOLID	10/21/2025	0.60	35.0	52.90
Q3395-02	PR132-S07-000102-20251017	SAM	SOLID	10/21/2025	0.58	35.0	47.90
Q3395-02DUP	PR132-S07-000102-20251017DUP	DUP	SOLID	10/21/2025	0.57	35.0	47.90
Q3395-03	PR132-S07-000102-20251017MS	MS	SOLID	10/21/2025	0.59	35.0	47.90
Q3395-04	PR132-S07-000102-20251017MSD	MSD	SOLID	10/21/2025	0.60	35.0	47.90
Q3395-05	PR132-S07-102116-20251017	SAM	SOLID	10/21/2025	0.57	35.0	51.40
Q3395-06	PR132-COMP03-2025-20251017	SAM	SOLID	10/21/2025	0.51	35.0	69.80

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metals
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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3395

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
PB170201BL	PB170201BL	1	1149	HG
PB170201BS	PB170201BS	1	1151	HG
CCV72	CCV72	1	1214	HG
CCB72	CCB72	1	1216	HG
Q3395-06	PR132-COMP03-2025-2025101	1	1237	HG
CCV73	CCV73	1	1248	HG
CCB73	CCB73	1	1254	HG
Q3395-02L	PR132-S07-000102-20251017L	5	1308	HG
CCV74	CCV74	1	1323	HG
CCB74	CCB74	1	1326	HG
Q3395-01	PR132-S09-000051-20251017	10	1343	HG
Q3395-02	PR132-S07-000102-20251017	10	1345	HG
Q3395-02DUP	PR132-S07-000102-20251017DU	10	1352	HG
Q3395-03	PR132-S07-000102-20251017M	10	1354	HG
Q3395-04	PR132-S07-000102-20251017M	10	1357	HG
Q3395-05	PR132-S07-102116-20251017	10	1400	HG
CCV75	CCV75	1	1411	HG
CCB75	CCB75	1	1413	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.:** Q3395

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
PB170186BL	PB170186BL	1	1527	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170186BS	PB170186BS	1	1530	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
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
Q3395-01	PR132-S09-000051-20251017	1	1731	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3395-02	PR132-S07-000102-20251017	1	1734	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3395-02DUP	PR132-S07-000102-20251017DU	1	1741	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3395-02L	PR132-S07-000102-20251017L	5	1744	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
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
Q3395-03	PR132-S07-000102-20251017M	1	1815	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,K,Mg,Mn,Na,Sb,Se,Tl,V,Zn
Q3395-04	PR132-S07-000102-20251017M	1	1818	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,K,Mg,Mn,Na,Sb,Se,Tl,V,Zn
Q3395-02A	PR132-S07-000102-20251017A	1	1821	Ag,Ba,Se
Q3395-05	PR132-S07-102116-20251017	1	1823	Ag,As,Ba,Be,Ca,Cd,Co,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3395-06	PR132-COMP03-2025-2025101	1	1826	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
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

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metals
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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3395

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
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
Q3395-01	PR132-S09-000051-20251017	5	2035	Cr
Q3395-02	PR132-S07-000102-20251017	5	2038	Cr
Q3395-02DUP	PR132-S07-000102-20251017DU	5	2041	Cr
Q3395-03	PR132-S07-000102-20251017M	5	2048	Cr,Fe,Ni,Pb
Q3395-04	PR132-S07-000102-20251017M	5	2051	Cr,Fe,Ni,Pb
Q3395-02A	PR132-S07-000102-20251017A	5	2054	Ni,Pb
Q3395-05	PR132-S07-102116-20251017	5	2057	Al,Cr,Fe
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:	Q3395	**OrderDate:**	10/17/2025 4:25:00 PM
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
Q3395-01	**PR132-S09-000051-2 0251017**	**SOIL**			**10/17/25 12:15**			**10/17/25**
			Hexavalent Chromium	7196A		10/23/25	10/23/25 12:24	
			TOC	Lloyd Kahn			10/21/25 15:04	
Q3395-02	**PR132-S07-000102-2 0251017**	**SOIL**			**10/17/25 11:40**			**10/17/25**
			Hexavalent Chromium	7196A		10/23/25	10/23/25 12:25	
			TOC	Lloyd Kahn			10/21/25 15:29	
Q3395-05	**PR132-S07-102116-2 0251017**	**SOIL**			**10/17/25 11:50**			**10/17/25**
			Hexavalent Chromium	7196A		10/23/25	10/23/25 12:28	
			TOC	Lloyd Kahn			10/22/25 09:43	
Q3395-06	**PR132-COMP03-2025 1017**	**SOIL**			**10/17/25 10:10**			**10/17/25**
			Hexavalent Chromium	7196A		10/23/25	10/23/25 12:29	
			TOC	Lloyd Kahn			10/22/25 09:59	

SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/17/25 12:15
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S09-000051-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-01	Matrix:	SOIL
		% Solid:	52.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.75	U	1	0.13	0.75	mg/Kg	10/23/25 08:50	10/23/25 12:24	7196A
TOC	25600	OR	1	43.4	250	mg/Kg		10/21/25 15:04	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:	10/17/25 11:40
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-02	Matrix:	SOIL
		% Solid:	47.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.83	U	1	0.14	0.83	mg/Kg	10/23/25 08:50	10/23/25 12:25	7196A
TOC	31800	OR	1	43.4	250	mg/Kg		10/21/25 15:29	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:	10/17/25 11:50
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-102116-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-05	Matrix:	SOIL
		% Solid:	51.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.76	U	1	0.13	0.76	mg/Kg	10/23/25 08:50	10/23/25 12:28	7196A
TOC	34500	OR	1	43.4	250	mg/Kg		10/22/25 09:43	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:	10/17/25 10:10
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-COMP03-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-06	Matrix:	SOIL
		% Solid:	69.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.56	U	1	0.097	0.56	mg/Kg	10/23/25 08:50	10/23/25 12:29	7196A
TOC	13500		1	43.4	250	mg/Kg		10/22/25 09:59	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

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client: AECOM **SDG No.:** Q3395

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 **RunNo.:** LB137593

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	984	1000	98	90-110	10/21/2025
Sample ID:	CCV2						
TOC		mg/L	1070	1000	107	90-110	10/21/2025
Sample ID:	CCV3						
TOC		mg/L	1080	1000	108	90-110	10/21/2025
Sample ID:	CCV4						
TOC		mg/L	1070	1000	107	90-110	10/22/2025
Sample ID:	CCV5						
TOC		mg/L	985	1000	98	90-110	10/22/2025

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Initial and Continuing Calibration Verification

Client:	AECOM	**SDG No.:**	Q3395
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**RunNo.:**	LB137625

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	10/23/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.494	0.5	99	90-110	10/23/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	10/23/2025
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.494	0.5	99	90-110	10/23/2025
Sample ID: CCV4						
Hexavalent Chromium	mg/L	0.495	0.5	99	90-110	10/23/2025

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Initial and Continuing Calibration Blank Summary

Client:	AECOM	**SDG No.:**	Q3395
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**RunNo.:**	LB137593

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	10/21/2025
Sample ID:	CCB2							
TOC		mg/L	37.5	125.0000	J	32.1	250	10/21/2025
Sample ID:	CCB3							
TOC		mg/L	< 125.0000	125.0000	U	32.1	250	10/21/2025
Sample ID:	CCB4							
TOC		mg/L	< 125.0000	125.0000	U	32.1	250	10/22/2025
Sample ID:	CCB5							
TOC		mg/L	< 125.0000	125.0000	U	32.1	250	10/22/2025

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Initial and Continuing Calibration Blank Summary

Client:	AECOM	**SDG No.:**	Q3395
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**RunNo.:**	LB137625

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	10/23/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025
Sample ID: CCB4							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025

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Preparation Blank Summary

Client: AECOM **SDG No.:** Q3395

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: **LB137593BLS**							
TOC	mg/Kg	< 125.0000	125.0000	U	43.4	250	10/21/2025
Sample ID: **LB137593BLS2**							
TOC	mg/Kg	< 125.0000	125.0000	U	43.4	250	10/22/2025
Sample ID: **PB170212BL**							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	10/23/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3395

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3395-02

Client ID: PR132-S07-000102-20251017MS **Percent Solids for Spike Sample:** 47.9

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	2560		0.14	U	2680	40	96		10/23/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3395

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3395-02

Client ID: PR132-S07-000102-20251017MS **Percent Solids for Spike Sample:** 47.9

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	75.0		0.14	U	83.5	2	90		10/23/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3395

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3395-02

Client ID: PR132-S07-000102-20251017MS **Percent Solids for Spike Sample:** 47.9

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	64.3		0.14	U	83.5	2	77		10/23/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3395

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3395-02

Client ID: PR132-S07-000102-20251017MS **Percent Solids for Spike Sample:** 47.9

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	33000	OR	31800	OR	1000	1	120		10/21/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3395

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3395-02

Client ID: PR132-S07-000102-20251017MSD **Percent Solids for Spike Sample:** 47.9

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	33000	OR	31800	OR	1000	1	120		10/21/2025

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Duplicate Sample Summary

Client: AECOM
SDG No.: Q3395
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Sample ID: Q3395-02
Client ID: PR132-S07-000102-20251017DUP
Percent Solids for Spike Sample: 47.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.14	U	0.14	U	1	0		10/23/2025

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Duplicate Sample Summary

Client: AECOM
SDG No.: Q3395
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Sample ID: Q3395-02
Client ID: PR132-S07-000102-20251017MSD
Percent Solids for Spike Sample: 47.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TOC	mg/Kg	+/-20	33000	OR	33000	OR	1	0		10/21/2025

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Laboratory Control Sample Summary

Client:	AECOM	**SDG No.:**	Q3395
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**Run No.:**	LB137593

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **LB137593BSS**								
TOC	mg/Kg	1000	992		99	1	90-110	10/21/2025

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Laboratory Control Sample Summary

Client:	AECOM	**SDG No.:**	Q3395
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**Run No.:**	LB137593

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137593BSS2								
TOC	mg/Kg	1000	1020		102	1	90-110	10/22/2025

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Laboratory Control Sample Summary

Client:	AECOM	**SDG No.:**	Q3395
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**Run No.:**	LB137625

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB170212BS								
Hexavalent Chromium	mg/Kg	20	19.7		98	1	84-110	10/23/2025

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q3377
QUOTE NO. Q3395
COC Number 2045362

11
11.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: AECOM
ADDRESS: 605 3rd Ave
CITY New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner
PHONE: 212-377-8721 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Port Richmond
PROJECT NO.: 60693795 LOCATION: Staten Isl
PROJECT MANAGER: Rob Forstner
e-mail: Robert.Forstner@aecom.com
PHONE: same FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#:
ADDRESS: same
CITY STATE: ZIP:
ATTENTION: Rob Forstner PHONE: same

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
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☒ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1: SVOCs 2: Pesticides TCL 3: Mercury Metals 4: PCBs 5: Hex Chrome 6: Dioxin 7: Grain Size 8: TCLP 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	Mother 8	9	COMMENTS
1.	PR132-S09-000051-20251017	S		X	10/17	1235	11	X	X	X	X	X	X	X	X		
2.	PR132-S07-000102-20251017	S		X	10/17	1140	11	X	X	X	X	X	X	X	X		
3.	PR132-S07-000102-20251017MSD	S		X	10/17	1140	10	X	X	X	X	X		X	X		
4.	PR132-S07-000102-20251017-MS	S		X	10/17	1140	10	X	X	X	X	X		X	X		
5.	PR132-S07-10216-20251017	S		X	10/17	1150	11	X	X	X	X	X	X	X	X		
6.	PR132-COMP03-2025-20251017	S	X		10/17	1010	7	X	X	X	X	X	X	X			
7.	Temp Blank	A			10/17		1	X	X	X	X	X			X		
8.	PR132-S08-038048-20251017	S		X	10/17	0840	4								X		
9.																	
10.																	

PRESERVATIVES: ← Specify Preservatives — A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

COMMENTS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Jim Aldeson	10/17/25 4pm	1. 1600 10-17-25
2.		2.
3.	DATE/TIME: 1740 10-17-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.0 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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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

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LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3395 AECO02
Client Name : AECOM
Client Contact : Rob Forstner
Invoice Name : AECOM
Invoice Contact : Rob Forstner

Order Date : 10/17/2025 4:25:00 PM
Project Name : AE1-CTY 3.2.Z-PR-DOCK
Receive DateTime : 10/17/2025 ~~12:00:00 AM~~ 5:40 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
Q3395-01	PR132-S09-000051-20251017	Solid	10/17/2025	12:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3395-02	PR132-S07-000102-20251017	Solid	10/17/2025	11:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3395-03	Q3395-02MS	Solid	10/17/2025	11:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3395-04	Q3395-02MSD	Solid	10/17/2025	11:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3395-05	PR132-S07-102116-20251017	Solid	10/17/2025	11:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
~~Q3395-06~~	~~PR132-COMP03-20251017~~	~~Solid~~	~~10/17/2025~~	~~10:10~~					
					~~VOC-TCLVOA-10~~		~~8260D~~		~~10 Bus. Days~~
Q3395-07	PR132-S08-038048-20251017	Solid	10/17/2025	08:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days

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LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q3395 AECO02	**Order Date :**	10/17/2025 4:25:00 PM	**Project Mgr :**	
Client Name :	AECOM	**Project Name :**	AE1-CTY 3.2.Z-PR-DOCK	**Report Type :**	NYS ASP B
Client Contact :	Rob Forstner	**Receive DateTime :**	10/17/2025 ~~12:00:00 AM~~ 5:40 PM	**EDD Type :**	EQUIS
Invoice Name :	AECOM	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Rob Forstner			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : CR
Date / Time : 10/20/25 12:00

Received By : [illegible]
Date / Time : 10/20/25 1200

Storage Area : VOA Refridgerator Room