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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 : Q3376

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-S05-057082-20251016	Q3376-01	8260D	8270E		8081B, 8082A	6020B, 7471B	7196A, Chemtech -SOP, Lloyd Kahn
PR132-DP01-20251016	Q3376-02	8260D	8270E		8081B, 8082A	6020B, 7471B	7196A, Chemtech -SOP, Lloyd Kahn
PR132-COMP2-20251016	Q3376-03	8260D	8270E		8081B, 8082A	6020B, 7471B	7196A, Chemtech -SOP, Lloyd Kahn
PR132-S12-047072-20251016	Q3376-04	8260D	8270E		8081B, 8082A	6020B, 7471B	7196A, Chemtech -SOP, Lloyd Kahn
PR132-S12-020047-20251016	Q3376-05	8260D	8270E		8081B, 8082A	6020B, 7471B	7196A, Chemtech -SOP, Lloyd Kahn
PR132-FB01-20251016	Q3376-07	8260D	8270E		8081B, 8082A	6020B, 7471B, 6010D, 7470A	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
Q3376-01	SOIL	10/16/25	10/16/25	10/21/25	10/21/25
Q3376-02	SOIL	10/16/25	10/16/25	10/21/25	10/21/25
Q3376-03	SOIL	10/16/25	10/16/25	10/21/25	10/22/25
Q3376-04	SOIL	10/16/25	10/16/25	10/21/25	10/22/25
Q3376-05	SOIL	10/16/25	10/16/25	10/21/25	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
Q3376-01	SOIL	10/16/25	10/16/25		10/20/25
Q3376-02	SOIL	10/16/25	10/16/25		10/21/25
Q3376-03	SOIL	10/16/25	10/16/25		10/20/25
Q3376-04	SOIL	10/16/25	10/16/25		10/20/25
Q3376-05	SOIL	10/16/25	10/16/25		10/20/25
Q3376-07	Water	10/16/25	10/16/25		10/21/25

*** 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
Q3376-01	SOIL	10/16/25	10/16/25	10/21/25	10/21/25
Q3376-02	SOIL	10/16/25	10/16/25	10/21/25	10/21/25
Q3376-03	SOIL	10/16/25	10/16/25	10/21/25	10/21/25
Q3376-04	SOIL	10/16/25	10/16/25	10/21/25	10/21/25
Q3376-05	SOIL	10/16/25	10/16/25	10/21/25	10/21/25

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

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
Q3376-01	Solid	8260D	5035		
Q3376-02	Solid	8260D	5035		
Q3376-03	Solid	8260D	5035		
Q3376-04	Solid	8260D	5035		
Q3376-05	Solid	8260D	5035		
Q3376-07	Water	8260D	5030		

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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
Q3376-01	Solid	8270E	3550		
Q3376-02	Solid	8270E	3550		
Q3376-03	Solid	8270E	3550		
Q3376-04	Solid	8270E	3550		
Q3376-05	Solid	8270E	3550		

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
Q3376-01	Solid	8081B	3541		
Q3376-01	Solid	8082A	3541		
Q3376-02	Solid	8081B	3541		
Q3376-02	Solid	8082A	3541		
Q3376-03	Solid	8081B	3541		
Q3376-03	Solid	8082A	3541		
Q3376-04	Solid	8081B	3541		
Q3376-04	Solid	8082A	3541		
Q3376-05	Solid	8081B	3541		
Q3376-05	Solid	8082A	3541		

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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
Q3376-01	SOIL	Mercury	10/16/25	10/20/25	10/22/25
Q3376-02	SOIL	Mercury	10/16/25	10/20/25	10/22/25
Q3376-03	SOIL	Mercury	10/16/25	10/20/25	10/22/25
Q3376-04	SOIL	Mercury	10/16/25	10/20/25	10/22/25
Q3376-05	SOIL	Mercury	10/16/25	10/20/25	10/22/25
Q3376-07	Water	Mercury	10/16/25	10/20/25	10/20/25

*** Details For Test :** Mercury

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
Q3376-01	SOIL	Metals ICP-TAL	10/16/25	10/20/25	10/22/25
Q3376-02	SOIL	Metals ICP-TAL	10/16/25	10/20/25	10/22/25
Q3376-03	SOIL	Metals ICP-TAL	10/16/25	10/20/25	10/22/25
Q3376-04	SOIL	Metals ICP-TAL	10/16/25	10/20/25	10/22/25
Q3376-05	SOIL	Metals ICP-TAL	10/16/25	10/20/25	10/22/25
Q3376-07	Water	Metals ICP-TAL	10/16/25	10/21/25	10/21/25

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

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Cover Page

Order ID : Q3376

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

Client : AECOM

Lab Sample Number	Client Sample Number
Q3376-01	PR132-S05-057082-20251016
Q3376-02	PR132-DP01-20251016
Q3376-03	PR132-COMP2-20251016
Q3376-04	PR132-S12-047072-20251016
Q3376-05	PR132-S12-020047-20251016
Q3376-07	PR132-FB01-20251016

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

Signature : _____ 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 # Q3376
Test Name: VOC-TCLVOA-10

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

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

C. Analytical Techniques:
The analysis performed on instrument MSVOA_W were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.

The RPD for {VW1020SBSD01} with File ID: VW032381.D met criteria except for 1,2-Dibromo-3-Chloropropane[22%], 2-Butanone[22%] due to difference in results of BS and BSD.
The Blank Spike met requirements for all compounds.
The Blank Spike Duplicate met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.

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

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

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The Continuous Calibration File ID VX048252.D met the requirements except for 4-Methyl-2-Pentanone is failing marginally low therefore no corrective action taken.
The Tuning criteria met requirements.

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

The Sample #PR132-DP01-20251016 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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.

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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 # Q3376
Test Name: SVOC-TCL BNA -20

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

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

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The samples were analyzed on instrument BNA_G using GC Column ZB-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 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.

The Blank Spike for {PB170180BS} with File ID: BF144034.D met requirements for all compounds except for 2,6-Dinitrotoluene[106%], Benzo(g,h,i)perylene[112%] and Indeno(1,2,3-cd)pyrene[112%], The associate samples have no positive hit for these compounds therefore no corrective action was taken.

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

The %RSD is greater than 20% in the Initial Calibration (Method 8270-BF100625.M) for 2,4-Dinitrophenol this Compounds is passing on Linear regression.

The %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-methylphenol these Compounds are passing on Linear regression.

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The Continuous Calibration File ID BF144032.D met the requirements except for Benzo(g,h,i)perylene, 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 # Q3376
Test Name: Pesticide-TCL

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

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

C. Analytical Techniques:
The analysis was performed on instrument ECD_D. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11.The analysis of Pesticide-TCLs was based on method 8081B and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.

E. Additional Comments:
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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CASE NARRATIVE

AECOM
Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Project # N/A
Order ID # Q3376
Test Name: PCB

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

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

C. Analytical Techniques:
The analyses were performed on instrument GCECD_Q.The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The 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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CASE NARRATIVE

AECOM
Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Project # N/A
Order ID # Q3376
Test Name: Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:

5 Solid samples were received on 10/16/2025.
1 Water sample was received on 10/16/2025.

B. Parameters:

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

C. Analytical Techniques:

The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of Mercury was based on method 7470A.

D. QA/ QC Samples:

The Holding Times were met for all analysis.
The Blank Spike met requirements for all compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike (4090MS) analysis met criteria for all compounds except for Mercury due to matrix interference.
The Matrix Spike Duplicate (4090MSD) analysis met criteria for all compounds except for Mercury due to matrix interference.
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:

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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 # Q3376
Test Name: Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:

5 Solid samples were received on 10/16/2025.
1 Water sample was received on 10/16/2025.

B. Parameters:

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

C. Analytical Techniques:

The analysis of Metals ICP-TAL was based on method 6020B, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:

The Holding Times were met for all analysis.
Sample PR132-S05-057082-20251016 was diluted due to high concentrations for Chromium,Mercury & Sample PR132-DP01-20251016 was diluted due to high concentrations for Chromium,Mercury & Sample PR132-COMP2-20251016 was diluted due to high concentrations for Chromium,Mercury & Sample PR132-S12-047072-20251016 was diluted due to high concentrations for Chromium,Mercury & Sample PR132-S12-020047-20251016 was diluted due to high concentrations for Mercury.
The Blank Spike met requirements for all compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike (PR132-S12-020047-20251016MS) analysis met criteria for all compounds except for Lead, Silver due to matrix interferences.
The Matrix Spike Duplicate (PR132-S12-020047-20251016MSD) analysis met criteria for all compounds except for Lead, Silver due to matrix interferences.
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-S12-020047-20251016A) analysis met criteria for all compounds except for Silver due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

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

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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 # Q3376
Test Name: Hexavalent Chromium,TOC

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

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

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

D. QA/ QC Samples:

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

E. Additional Comments:

Lab has used least representable sample weight for the sample Q3376-01, Q3376-02, Q3376-03, Q3376-04 and Q3376-05 for TOC analysis. Therefore Lab has reported the TOC result with "OR" qualifier.

As per method, aqueous sample for Hexavalent Chromium analysis should be filtered within 15 minutes of collection time. However, samples were not filtered as per requirement therefore Sample was filtered in the Lab within the same day of sample receipt and analyzed within 24 hours from collection.

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Signature_____

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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 #: Q3376

	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:	Q3376	**OrderDate:**	10/17/2025 10:34:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60697095.171208
Contact:	Rob Forstner	**Location:**	Soil,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3376-01	**PR132-S05-057082-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			VOC-TCLVOA-10	8260D			10/20/25	
Q3376-02	**PR132-DP01-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			VOC-TCLVOA-10	8260D			10/21/25	
Q3376-03	**PR132-COMP2-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			VOC-TCLVOA-10	8260D			10/20/25	
Q3376-04	**PR132-S12-047072-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			VOC-TCLVOA-10	8260D			10/20/25	
Q3376-05	**PR132-S12-020047-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			VOC-TCLVOA-10	8260D			10/20/25	
Q3376-07	**PR132-FB01-20251016**	**Water**			**10/16/25**			**10/16/25**
			VOC-TCLVOA-10	8260D			10/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3376

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**PR132-S05-057082-20251016**								
Q3376-01	PR132-S05-057082	SOIL	Acetone		410		8.00	42.0	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	Carbon Disulfide		17.6		1.80	8.40	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	2-Butanone		130		11.0	42.0	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	Methylcyclohexane		140		1.50	8.40	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	Benzene		4.20	J	1.30	8.40	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	o-Xylene		13.2		1.40	8.40	ug/Kg
			Total Voc :		715				
Q3376-01	PR132-S05-057082	SOIL	Heptane, 2,6-dimethyl-	*	150	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	Octane, 2,6-dimethyl-	*	420	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	Heptane, 2,5-dimethyl-	*	150	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	Cyclohexane, 1,1,3-trimethyl-	*	200	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	1-Ethyl-4-methylcyclohexane	*	150	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	Octane, 2,3-dimethyl-	*	720	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	Undecane, 2,6-dimethyl-	*	120	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	Tert butyl alcohol	*	82.1	J	23.0	42.0	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	1,3,5-Trimethylbenzene	*	21.6	J	1.40	8.40	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	1,2,4-Trimethylbenzene	*	19.3	J	1.10	8.40	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	p-Isopropyltoluene	*	7.10	J	1.00	8.40	ug/Kg
			Total Tics :		2040				
			Total Concentration:		2760				
Client ID:	**PR132-DP01-20251016**								
Q3376-02	PR132-DP01-20251	SOIL	Acetone		140		9.20	48.3	ug/Kg
Q3376-02	PR132-DP01-20251	SOIL	Carbon Disulfide		6.90	J	2.00	9.70	ug/Kg
Q3376-02	PR132-DP01-20251	SOIL	2-Butanone		39.0	J	12.6	48.3	ug/Kg
Q3376-02	PR132-DP01-20251	SOIL	Methylcyclohexane		58.1		1.80	9.70	ug/Kg
			Total Voc :		244				
Q3376-02	PR132-DP01-20251	SOIL	Naphthalene, decahydro-, trans	*	160	J	0	0	ug/Kg
Q3376-02	PR132-DP01-20251	SOIL	Naphthalene, decahydro-2-metl	*	200	J	0	0	ug/Kg
Q3376-02	PR132-DP01-20251	SOIL	Undecane, 2,6-dimethyl-	*	160	J	0	0	ug/Kg
Q3376-02	PR132-DP01-20251	SOIL	1,3,5-Trimethylbenzene	*	9.00	J	1.60	9.70	ug/Kg
Q3376-02	PR132-DP01-20251	SOIL	1,2,4-Trimethylbenzene	*	6.10	J	1.20	9.70	ug/Kg
			Total Tics :		535				
			Total Concentration:		779				
Client ID:	**PR132-COMP2-20251016**								
Q3376-03	PR132-COMP2-202	SOIL	Acetone		240		9.80	51.9	ug/Kg
Q3376-03	PR132-COMP2-202	SOIL	Carbon Disulfide		10.0	J	2.20	10.4	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3376

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3376-03	PR132-COMP2-202	SOIL	2-Butanone		73.7		13.6	51.9	ug/Kg
Q3376-03	PR132-COMP2-202	SOIL	Methylcyclohexane		27.2		1.90	10.4	ug/Kg
Q3376-03	PR132-COMP2-202	SOIL	Benzene		2.50	J	1.60	10.4	ug/Kg
			Total Voc :		353				
Q3376-03	PR132-COMP2-202	SOIL	3-Heptene, 2,2,4,6,6-pentameth	*	140	J	0	0	ug/Kg
Q3376-03	PR132-COMP2-202	SOIL	Octane, 2,6-dimethyl-	*	160	J	0	0	ug/Kg
Q3376-03	PR132-COMP2-202	SOIL	Undecane, 3,6-dimethyl-	*	120	J	0	0	ug/Kg
Q3376-03	PR132-COMP2-202	SOIL	Octane, 4,5-dipropyl-	*	280	J	0	0	ug/Kg
Q3376-03	PR132-COMP2-202	SOIL	1,2,4-Trimethylbenzene	*	4.20	J	1.30	10.4	ug/Kg
			Total Tics :		704				
			Total Concentration:		1060				
Client ID:	**PR132-S12-047072-20251016**								
Q3376-04	PR132-S12-047072	SOIL	Acetone		320		9.60	50.4	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	Carbon Disulfide		19.9		2.10	10.1	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	Methyl Acetate		4.90	J	3.10	10.1	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	2-Butanone		100		13.2	50.4	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	Methylcyclohexane		29.1		1.80	10.1	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	Benzene		9.00	J	1.60	10.1	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	Ethyl Benzene		2.70	J	1.40	10.1	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	m/p-Xylenes		14.5	J	2.50	20.2	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	o-Xylene		26.4		1.70	10.1	ug/Kg
			Total Voc :		527				
Q3376-04	PR132-S12-047072	SOIL	Naphthalene, decahydro-	*	210	J	0	0	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	Heptane, 2,2,6,6-tetramethyl-4-	*	320	J	0	0	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	Octane, 2,6-dimethyl-	*	200	J	0	0	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	Undecane, 2,6-dimethyl-	*	180	J	0	0	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	1,3,5-Trimethylbenzene	*	6.40	J	1.70	10.1	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	1,2,4-Trimethylbenzene	*	12.6	J	1.30	10.1	ug/Kg
			Total Tics :		929				
			Total Concentration:		1460				
Client ID:	**PR132-S12-020047-20251016**								
Q3376-05	PR132-S12-020047	SOIL	Acetone		290		12.1	63.6	ug/Kg
Q3376-05	PR132-S12-020047	SOIL	Carbon Disulfide		38.1		2.70	12.7	ug/Kg
Q3376-05	PR132-S12-020047	SOIL	2-Butanone		89.0		16.7	63.6	ug/Kg
Q3376-05	PR132-S12-020047	SOIL	Methylcyclohexane		12.9		2.30	12.7	ug/Kg
Q3376-05	PR132-S12-020047	SOIL	o-Xylene		8.80	J	2.10	12.7	ug/Kg
			Total Voc :		439				

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Hit Summary Sheet
SW-846

SDG No.: Q3376

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3376-05	PR132-S12-020047	SOIL	Octane, 2,3-dimethyl-	*	210	J	0	0	ug/Kg
			Total Tics :		210				
			Total Concentration:		649				
Client ID:	**PR132-FB01-20251016**								
Q3376-07	PR132-FB01-20251	Water	Acetone		5.70	J	1.50	25.0	ug/L
			Total Voc :		5.70				
			Total Concentration:		5.70				

SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-057082-202510	SDG No.:	Q3376
Lab Sample ID:	Q3376-01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 53.5
Sample Wt/Vol:	5.56 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	8.40	U	1	1.90	8.40	ug/Kg	10/20/25 14:56	VW102025
74-87-3	Chloromethane	8.40	U	1	1.90	8.40	ug/Kg	10/20/25 14:56	VW102025
75-01-4	Vinyl Chloride	8.40	U	1	1.30	8.40	ug/Kg	10/20/25 14:56	VW102025
74-83-9	Bromomethane	8.40	U	1	1.80	8.40	ug/Kg	10/20/25 14:56	VW102025
75-00-3	Chloroethane	8.40	U	1	2.10	8.40	ug/Kg	10/20/25 14:56	VW102025
75-69-4	Trichlorofluoromethane	8.40	U	1	2.00	8.40	ug/Kg	10/20/25 14:56	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	8.40	U	1	1.80	8.40	ug/Kg	10/20/25 14:56	VW102025
75-35-4	1,1-Dichloroethene	8.40	U	1	1.70	8.40	ug/Kg	10/20/25 14:56	VW102025
67-64-1	Acetone	410		1	8.00	42.0	ug/Kg	10/20/25 14:56	VW102025
75-15-0	Carbon Disulfide	17.6		1	1.80	8.40	ug/Kg	10/20/25 14:56	VW102025
1634-04-4	Methyl tert-butyl Ether	8.40	U	1	1.20	8.40	ug/Kg	10/20/25 14:56	VW102025
79-20-9	Methyl Acetate	8.40	U	1	2.60	8.40	ug/Kg	10/20/25 14:56	VW102025
75-09-2	Methylene Chloride	16.8	U	1	5.90	16.8	ug/Kg	10/20/25 14:56	VW102025
156-60-5	trans-1,2-Dichloroethene	8.40	U	1	1.40	8.40	ug/Kg	10/20/25 14:56	VW102025
75-34-3	1,1-Dichloroethane	8.40	U	1	1.30	8.40	ug/Kg	10/20/25 14:56	VW102025
110-82-7	Cyclohexane	8.40	U	1	1.30	8.40	ug/Kg	10/20/25 14:56	VW102025
78-93-3	2-Butanone	130		1	11.0	42.0	ug/Kg	10/20/25 14:56	VW102025
56-23-5	Carbon Tetrachloride	8.40	U	1	1.60	8.40	ug/Kg	10/20/25 14:56	VW102025
156-59-2	cis-1,2-Dichloroethene	8.40	U	1	1.30	8.40	ug/Kg	10/20/25 14:56	VW102025
74-97-5	Bromochloromethane	8.40	U	1	1.90	8.40	ug/Kg	10/20/25 14:56	VW102025
67-66-3	Chloroform	8.40	U	1	1.40	8.40	ug/Kg	10/20/25 14:56	VW102025
71-55-6	1,1,1-Trichloroethane	8.40	U	1	1.60	8.40	ug/Kg	10/20/25 14:56	VW102025
108-87-2	Methylcyclohexane	140		1	1.50	8.40	ug/Kg	10/20/25 14:56	VW102025
71-43-2	Benzene	4.20	J	1	1.30	8.40	ug/Kg	10/20/25 14:56	VW102025
107-06-2	1,2-Dichloroethane	8.40	U	1	1.30	8.40	ug/Kg	10/20/25 14:56	VW102025
79-01-6	Trichloroethene	8.40	U	1	1.40	8.40	ug/Kg	10/20/25 14:56	VW102025
78-87-5	1,2-Dichloropropane	8.40	U	1	1.50	8.40	ug/Kg	10/20/25 14:56	VW102025
75-27-4	Bromodichloromethane	8.40	U	1	1.30	8.40	ug/Kg	10/20/25 14:56	VW102025
108-10-1	4-Methyl-2-Pentanone	42.0	U	1	6.00	42.0	ug/Kg	10/20/25 14:56	VW102025
108-88-3	Toluene	8.40	U	1	1.30	8.40	ug/Kg	10/20/25 14:56	VW102025
10061-02-6	t-1,3-Dichloropropene	8.40	U	1	1.10	8.40	ug/Kg	10/20/25 14:56	VW102025
10061-01-5	cis-1,3-Dichloropropene	8.40	U	1	1.00	8.40	ug/Kg	10/20/25 14:56	VW102025
79-00-5	1,1,2-Trichloroethane	8.40	U	1	1.50	8.40	ug/Kg	10/20/25 14:56	VW102025
591-78-6	2-Hexanone	42.0	U	1	6.20	42.0	ug/Kg	10/20/25 14:56	VW102025
124-48-1	Dibromochloromethane	8.40	U	1	1.50	8.40	ug/Kg	10/20/25 14:56	VW102025
106-93-4	1,2-Dibromoethane	8.40	U	1	1.50	8.40	ug/Kg	10/20/25 14:56	VW102025
127-18-4	Tetrachloroethene	8.40	U	1	1.80	8.40	ug/Kg	10/20/25 14:56	VW102025
108-90-7	Chlorobenzene	8.40	U	1	1.50	8.40	ug/Kg	10/20/25 14:56	VW102025
100-41-4	Ethyl Benzene	8.40	U	1	1.10	8.40	ug/Kg	10/20/25 14:56	VW102025
179601-23-1	m/p-Xylenes	16.8	U	1	2.10	16.8	ug/Kg	10/20/25 14:56	VW102025
95-47-6	o-Xylene	13.2		1	1.40	8.40	ug/Kg	10/20/25 14:56	VW102025
100-42-5	Styrene	8.40	U	1	1.20	8.40	ug/Kg	10/20/25 14:56	VW102025
75-25-2	Bromoform	8.40	U	1	1.40	8.40	ug/Kg	10/20/25 14:56	VW102025

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-057082-202510	SDG No.:	Q3376
Lab Sample ID:	Q3376-01	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	53.5
Sample Wt/Vol:	5.56 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	8.40	U	1	1.30	8.40	ug/Kg	10/20/25 14:56	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	8.40	U	1	2.00	8.40	ug/Kg	10/20/25 14:56	VW102025
541-73-1	1,3-Dichlorobenzene	8.40	U	1	2.90	8.40	ug/Kg	10/20/25 14:56	VW102025
106-46-7	1,4-Dichlorobenzene	8.40	U	1	2.60	8.40	ug/Kg	10/20/25 14:56	VW102025
95-50-1	1,2-Dichlorobenzene	8.40	U	1	2.40	8.40	ug/Kg	10/20/25 14:56	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	8.40	U	1	3.10	8.40	ug/Kg	10/20/25 14:56	VW102025
120-82-1	1,2,4-Trichlorobenzene	8.40	U	1	5.00	8.40	ug/Kg	10/20/25 14:56	VW102025
87-61-6	1,2,3-Trichlorobenzene	8.40	U	1	5.30	8.40	ug/Kg	10/20/25 14:56	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	63.1			63 - 155	126%	SPK: 50		
1868-53-7	Dibromofluoromethane	55.1			70 - 134	110%	SPK: 50		
2037-26-5	Toluene-d8	58.9			74 - 123	118%	SPK: 50		
460-00-4	4-Bromofluorobenzene	64.6			17 - 146	129%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	205000							
540-36-3	1,4-Difluorobenzene	456000							
3114-55-4	Chlorobenzene-d5	429000							
3855-82-1	1,4-Dichlorobenzene-d4	194000							
TENTATIVE IDENTIFIED COMPOUNDS									
75-65-0	Tert butyl alcohol	82.1	J			5.21	ug/Kg		
001072-05-5	Heptane, 2,6-dimethyl-	150	J			10.9	ug/Kg		
002216-30-0	Heptane, 2,5-dimethyl-	150	J			11.0	ug/Kg		
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	200	J			11.2	ug/Kg		
003728-56-1	1-Ethyl-4-methylcyclohexane	150	J			11.9	ug/Kg		
002051-30-1	Octane, 2,6-dimethyl-	420	J			12.3	ug/Kg		
007146-60-3	Octane, 2,3-dimethyl-	720	J			12.4	ug/Kg		
108-67-8	1,3,5-Trimethylbenzene	21.6	J			12.9	ug/Kg		
95-63-6	1,2,4-Trimethylbenzene	19.3	J			13.3	ug/Kg		
99-87-6	p-Isopropyltoluene	7.10	J			13.5	ug/Kg		
017301-23-4	Undecane, 2,6-dimethyl-	120	J			14.8	ug/Kg		

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

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

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:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP01-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-02	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 53.6
Sample Wt/Vol:	4.83 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	9.70	U	1	2.20	9.70	ug/Kg	10/21/25 12:14	VY102125
74-87-3	Chloromethane	9.70	U	1	2.20	9.70	ug/Kg	10/21/25 12:14	VY102125
75-01-4	Vinyl Chloride	9.70	U	1	1.50	9.70	ug/Kg	10/21/25 12:14	VY102125
74-83-9	Bromomethane	9.70	U	1	2.10	9.70	ug/Kg	10/21/25 12:14	VY102125
75-00-3	Chloroethane	9.70	U	1	2.40	9.70	ug/Kg	10/21/25 12:14	VY102125
75-69-4	Trichlorofluoromethane	9.70	U	1	2.30	9.70	ug/Kg	10/21/25 12:14	VY102125
76-13-1	1,1,2-Trichlorotrifluoroethane	9.70	U	1	2.00	9.70	ug/Kg	10/21/25 12:14	VY102125
75-35-4	1,1-Dichloroethene	9.70	U	1	1.90	9.70	ug/Kg	10/21/25 12:14	VY102125
67-64-1	Acetone	140		1	9.20	48.3	ug/Kg	10/21/25 12:14	VY102125
75-15-0	Carbon Disulfide	6.90	J	1	2.00	9.70	ug/Kg	10/21/25 12:14	VY102125
1634-04-4	Methyl tert-butyl Ether	9.70	U	1	1.40	9.70	ug/Kg	10/21/25 12:14	VY102125
79-20-9	Methyl Acetate	9.70	U	1	3.00	9.70	ug/Kg	10/21/25 12:14	VY102125
75-09-2	Methylene Chloride	19.3	U	1	6.80	19.3	ug/Kg	10/21/25 12:14	VY102125
156-60-5	trans-1,2-Dichloroethene	9.70	U	1	1.70	9.70	ug/Kg	10/21/25 12:14	VY102125
75-34-3	1,1-Dichloroethane	9.70	U	1	1.50	9.70	ug/Kg	10/21/25 12:14	VY102125
110-82-7	Cyclohexane	9.70	U	1	1.50	9.70	ug/Kg	10/21/25 12:14	VY102125
78-93-3	2-Butanone	39.0	J	1	12.6	48.3	ug/Kg	10/21/25 12:14	VY102125
56-23-5	Carbon Tetrachloride	9.70	U	1	1.90	9.70	ug/Kg	10/21/25 12:14	VY102125
156-59-2	cis-1,2-Dichloroethene	9.70	U	1	1.40	9.70	ug/Kg	10/21/25 12:14	VY102125
74-97-5	Bromochloromethane	9.70	U	1	2.20	9.70	ug/Kg	10/21/25 12:14	VY102125
67-66-3	Chloroform	9.70	U	1	1.60	9.70	ug/Kg	10/21/25 12:14	VY102125
71-55-6	1,1,1-Trichloroethane	9.70	U	1	1.80	9.70	ug/Kg	10/21/25 12:14	VY102125
108-87-2	Methylcyclohexane	58.1		1	1.80	9.70	ug/Kg	10/21/25 12:14	VY102125
71-43-2	Benzene	9.70	U	1	1.50	9.70	ug/Kg	10/21/25 12:14	VY102125
107-06-2	1,2-Dichloroethane	9.70	U	1	1.50	9.70	ug/Kg	10/21/25 12:14	VY102125
79-01-6	Trichloroethene	9.70	U	1	1.60	9.70	ug/Kg	10/21/25 12:14	VY102125
78-87-5	1,2-Dichloropropane	9.70	U	1	1.80	9.70	ug/Kg	10/21/25 12:14	VY102125
75-27-4	Bromodichloromethane	9.70	U	1	1.50	9.70	ug/Kg	10/21/25 12:14	VY102125
108-10-1	4-Methyl-2-Pentanone	48.3	U	1	6.90	48.3	ug/Kg	10/21/25 12:14	VY102125
108-88-3	Toluene	9.70	U	1	1.50	9.70	ug/Kg	10/21/25 12:14	VY102125
10061-02-6	t-1,3-Dichloropropene	9.70	U	1	1.30	9.70	ug/Kg	10/21/25 12:14	VY102125
10061-01-5	cis-1,3-Dichloropropene	9.70	U	1	1.20	9.70	ug/Kg	10/21/25 12:14	VY102125
79-00-5	1,1,2-Trichloroethane	9.70	U	1	1.80	9.70	ug/Kg	10/21/25 12:14	VY102125
591-78-6	2-Hexanone	48.3	U	1	7.10	48.3	ug/Kg	10/21/25 12:14	VY102125
124-48-1	Dibromochloromethane	9.70	U	1	1.70	9.70	ug/Kg	10/21/25 12:14	VY102125
106-93-4	1,2-Dibromoethane	9.70	U	1	1.70	9.70	ug/Kg	10/21/25 12:14	VY102125
127-18-4	Tetrachloroethene	9.70	U	1	2.00	9.70	ug/Kg	10/21/25 12:14	VY102125
108-90-7	Chlorobenzene	9.70	U	1	1.80	9.70	ug/Kg	10/21/25 12:14	VY102125
100-41-4	Ethyl Benzene	9.70	U	1	1.30	9.70	ug/Kg	10/21/25 12:14	VY102125
179601-23-1	m/p-Xylenes	19.3	U	1	2.40	19.3	ug/Kg	10/21/25 12:14	VY102125
95-47-6	o-Xylene	9.70	U	1	1.60	9.70	ug/Kg	10/21/25 12:14	VY102125
100-42-5	Styrene	9.70	U	1	1.40	9.70	ug/Kg	10/21/25 12:14	VY102125
75-25-2	Bromoform	9.70	U	1	1.70	9.70	ug/Kg	10/21/25 12:14	VY102125

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP01-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-02	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	53.6
Sample Wt/Vol:	4.83 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	9.70	U	1	1.50	9.70	ug/Kg	10/21/25 12:14	VY102125
79-34-5	1,1,2,2-Tetrachloroethane	9.70	U	1	2.30	9.70	ug/Kg	10/21/25 12:14	VY102125
541-73-1	1,3-Dichlorobenzene	9.70	U	1	3.30	9.70	ug/Kg	10/21/25 12:14	VY102125
106-46-7	1,4-Dichlorobenzene	9.70	U	1	3.00	9.70	ug/Kg	10/21/25 12:14	VY102125
95-50-1	1,2-Dichlorobenzene	9.70	U	1	2.80	9.70	ug/Kg	10/21/25 12:14	VY102125
96-12-8	1,2-Dibromo-3-Chloropropane	9.70	U	1	3.60	9.70	ug/Kg	10/21/25 12:14	VY102125
120-82-1	1,2,4-Trichlorobenzene	9.70	U	1	5.70	9.70	ug/Kg	10/21/25 12:14	VY102125
87-61-6	1,2,3-Trichlorobenzene	9.70	U	1	6.10	9.70	ug/Kg	10/21/25 12:14	VY102125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.2			63 - 155	114%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.6			70 - 134	103%	SPK: 50		
2037-26-5	Toluene-d8	52.8			74 - 123	106%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.1			17 - 146	94%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	663000							
540-36-3	1,4-Difluorobenzene	1120000							
3114-55-4	Chlorobenzene-d5	942000							
3855-82-1	1,4-Dichlorobenzene-d4	360000							
TENTATIVE IDENTIFIED COMPOUNDS									
108-67-8	1,3,5-Trimethylbenzene	9.00	J			12.7	ug/Kg		
95-63-6	1,2,4-Trimethylbenzene	6.10	J			13.0	ug/Kg		
000493-02-7	Naphthalene, decahydro-, trans-	160	J			13.7	ug/Kg		
002958-76-1	Naphthalene, decahydro-2-methyl-	200	J			14.2	ug/Kg		
017301-23-4	Undecane, 2,6-dimethyl-	160	J			14.6	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-COMP2-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-03	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	52.7
Sample Wt/Vol:	4.57 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	10.4	U	1	2.40	10.4	ug/Kg	10/20/25 15:40	VW102025
74-87-3	Chloromethane	10.4	U	1	2.40	10.4	ug/Kg	10/20/25 15:40	VW102025
75-01-4	Vinyl Chloride	10.4	U	1	1.60	10.4	ug/Kg	10/20/25 15:40	VW102025
74-83-9	Bromomethane	10.4	U	1	2.20	10.4	ug/Kg	10/20/25 15:40	VW102025
75-00-3	Chloroethane	10.4	U	1	2.60	10.4	ug/Kg	10/20/25 15:40	VW102025
75-69-4	Trichlorofluoromethane	10.4	U	1	2.50	10.4	ug/Kg	10/20/25 15:40	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	10.4	U	1	2.20	10.4	ug/Kg	10/20/25 15:40	VW102025
75-35-4	1,1-Dichloroethene	10.4	U	1	2.10	10.4	ug/Kg	10/20/25 15:40	VW102025
67-64-1	Acetone	240		1	9.80	51.9	ug/Kg	10/20/25 15:40	VW102025
75-15-0	Carbon Disulfide	10.0	J	1	2.20	10.4	ug/Kg	10/20/25 15:40	VW102025
1634-04-4	Methyl tert-butyl Ether	10.4	U	1	1.50	10.4	ug/Kg	10/20/25 15:40	VW102025
79-20-9	Methyl Acetate	10.4	U	1	3.20	10.4	ug/Kg	10/20/25 15:40	VW102025
75-09-2	Methylene Chloride	20.8	U	1	7.30	20.8	ug/Kg	10/20/25 15:40	VW102025
156-60-5	trans-1,2-Dichloroethene	10.4	U	1	1.80	10.4	ug/Kg	10/20/25 15:40	VW102025
75-34-3	1,1-Dichloroethane	10.4	U	1	1.70	10.4	ug/Kg	10/20/25 15:40	VW102025
110-82-7	Cyclohexane	10.4	U	1	1.60	10.4	ug/Kg	10/20/25 15:40	VW102025
78-93-3	2-Butanone	73.7		1	13.6	51.9	ug/Kg	10/20/25 15:40	VW102025
56-23-5	Carbon Tetrachloride	10.4	U	1	2.00	10.4	ug/Kg	10/20/25 15:40	VW102025
156-59-2	cis-1,2-Dichloroethene	10.4	U	1	1.60	10.4	ug/Kg	10/20/25 15:40	VW102025
74-97-5	Bromochloromethane	10.4	U	1	2.40	10.4	ug/Kg	10/20/25 15:40	VW102025
67-66-3	Chloroform	10.4	U	1	1.70	10.4	ug/Kg	10/20/25 15:40	VW102025
71-55-6	1,1,1-Trichloroethane	10.4	U	1	1.90	10.4	ug/Kg	10/20/25 15:40	VW102025
108-87-2	Methylcyclohexane	27.2		1	1.90	10.4	ug/Kg	10/20/25 15:40	VW102025
71-43-2	Benzene	2.50	J	1	1.60	10.4	ug/Kg	10/20/25 15:40	VW102025
107-06-2	1,2-Dichloroethane	10.4	U	1	1.60	10.4	ug/Kg	10/20/25 15:40	VW102025
79-01-6	Trichloroethene	10.4	U	1	1.70	10.4	ug/Kg	10/20/25 15:40	VW102025
78-87-5	1,2-Dichloropropane	10.4	U	1	1.90	10.4	ug/Kg	10/20/25 15:40	VW102025
75-27-4	Bromodichloromethane	10.4	U	1	1.60	10.4	ug/Kg	10/20/25 15:40	VW102025
108-10-1	4-Methyl-2-Pentanone	51.9	U	1	7.40	51.9	ug/Kg	10/20/25 15:40	VW102025
108-88-3	Toluene	10.4	U	1	1.60	10.4	ug/Kg	10/20/25 15:40	VW102025
10061-02-6	t-1,3-Dichloropropene	10.4	U	1	1.30	10.4	ug/Kg	10/20/25 15:40	VW102025
10061-01-5	cis-1,3-Dichloropropene	10.4	U	1	1.30	10.4	ug/Kg	10/20/25 15:40	VW102025
79-00-5	1,1,2-Trichloroethane	10.4	U	1	1.90	10.4	ug/Kg	10/20/25 15:40	VW102025
591-78-6	2-Hexanone	51.9	U	1	7.70	51.9	ug/Kg	10/20/25 15:40	VW102025
124-48-1	Dibromochloromethane	10.4	U	1	1.80	10.4	ug/Kg	10/20/25 15:40	VW102025
106-93-4	1,2-Dibromoethane	10.4	U	1	1.80	10.4	ug/Kg	10/20/25 15:40	VW102025
127-18-4	Tetrachloroethene	10.4	U	1	2.20	10.4	ug/Kg	10/20/25 15:40	VW102025
108-90-7	Chlorobenzene	10.4	U	1	1.90	10.4	ug/Kg	10/20/25 15:40	VW102025
100-41-4	Ethyl Benzene	10.4	U	1	1.40	10.4	ug/Kg	10/20/25 15:40	VW102025
179601-23-1	m/p-Xylenes	20.8	U	1	2.60	20.8	ug/Kg	10/20/25 15:40	VW102025
95-47-6	o-Xylene	10.4	U	1	1.70	10.4	ug/Kg	10/20/25 15:40	VW102025
100-42-5	Styrene	10.4	U	1	1.50	10.4	ug/Kg	10/20/25 15:40	VW102025
75-25-2	Bromoform	10.4	U	1	1.80	10.4	ug/Kg	10/20/25 15:40	VW102025

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-COMP2-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-03	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	52.7
Sample Wt/Vol:	4.57 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	10.4	U	1	1.60	10.4	ug/Kg	10/20/25 15:40	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	10.4	U	1	2.50	10.4	ug/Kg	10/20/25 15:40	VW102025
541-73-1	1,3-Dichlorobenzene	10.4	U	1	3.60	10.4	ug/Kg	10/20/25 15:40	VW102025
106-46-7	1,4-Dichlorobenzene	10.4	U	1	3.20	10.4	ug/Kg	10/20/25 15:40	VW102025
95-50-1	1,2-Dichlorobenzene	10.4	U	1	3.00	10.4	ug/Kg	10/20/25 15:40	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	10.4	U	1	3.80	10.4	ug/Kg	10/20/25 15:40	VW102025
120-82-1	1,2,4-Trichlorobenzene	10.4	U	1	6.20	10.4	ug/Kg	10/20/25 15:40	VW102025
87-61-6	1,2,3-Trichlorobenzene	10.4	U	1	6.60	10.4	ug/Kg	10/20/25 15:40	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.3			63 - 155	121%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.7			70 - 134	107%	SPK: 50		
2037-26-5	Toluene-d8	55.5			74 - 123	111%	SPK: 50		
460-00-4	4-Bromofluorobenzene	64.7			17 - 146	129%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	224000							
540-36-3	1,4-Difluorobenzene	492000							
3114-55-4	Chlorobenzene-d5	496000							
3855-82-1	1,4-Dichlorobenzene-d4	236000							
TENTATIVE IDENTIFIED COMPOUNDS									
002051-30-1	Octane, 2,6-dimethyl-	160	J			12.3	ug/Kg		
020905-05-9	Octane, 4,5-dipropyl-	280	J			12.4	ug/Kg		
000123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	140	J			13.1	ug/Kg		
95-63-6	1,2,4-Trimethylbenzene	4.20	J			13.3	ug/Kg		
017301-28-9	Undecane, 3,6-dimethyl-	120	J			14.8	ug/Kg		

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

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

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:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-047072-202510	SDG No.:	Q3376
Lab Sample ID:	Q3376-04	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 51.3
Sample Wt/Vol:	4.83 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	10.1	U	1	2.30	10.1	ug/Kg	10/20/25 16:02	VW102025
74-87-3	Chloromethane	10.1	U	1	2.30	10.1	ug/Kg	10/20/25 16:02	VW102025
75-01-4	Vinyl Chloride	10.1	U	1	1.60	10.1	ug/Kg	10/20/25 16:02	VW102025
74-83-9	Bromomethane	10.1	U	1	2.20	10.1	ug/Kg	10/20/25 16:02	VW102025
75-00-3	Chloroethane	10.1	U	1	2.50	10.1	ug/Kg	10/20/25 16:02	VW102025
75-69-4	Trichlorofluoromethane	10.1	U	1	2.40	10.1	ug/Kg	10/20/25 16:02	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	10.1	U	1	2.10	10.1	ug/Kg	10/20/25 16:02	VW102025
75-35-4	1,1-Dichloroethene	10.1	U	1	2.00	10.1	ug/Kg	10/20/25 16:02	VW102025
67-64-1	Acetone	320		1	9.60	50.4	ug/Kg	10/20/25 16:02	VW102025
75-15-0	Carbon Disulfide	19.9		1	2.10	10.1	ug/Kg	10/20/25 16:02	VW102025
1634-04-4	Methyl tert-butyl Ether	10.1	U	1	1.50	10.1	ug/Kg	10/20/25 16:02	VW102025
79-20-9	Methyl Acetate	4.90	J	1	3.10	10.1	ug/Kg	10/20/25 16:02	VW102025
75-09-2	Methylene Chloride	20.2	U	1	7.10	20.2	ug/Kg	10/20/25 16:02	VW102025
156-60-5	trans-1,2-Dichloroethene	10.1	U	1	1.70	10.1	ug/Kg	10/20/25 16:02	VW102025
75-34-3	1,1-Dichloroethane	10.1	U	1	1.60	10.1	ug/Kg	10/20/25 16:02	VW102025
110-82-7	Cyclohexane	10.1	U	1	1.60	10.1	ug/Kg	10/20/25 16:02	VW102025
78-93-3	2-Butanone	100		1	13.2	50.4	ug/Kg	10/20/25 16:02	VW102025
56-23-5	Carbon Tetrachloride	10.1	U	1	2.00	10.1	ug/Kg	10/20/25 16:02	VW102025
156-59-2	cis-1,2-Dichloroethene	10.1	U	1	1.50	10.1	ug/Kg	10/20/25 16:02	VW102025
74-97-5	Bromochloromethane	10.1	U	1	2.30	10.1	ug/Kg	10/20/25 16:02	VW102025
67-66-3	Chloroform	10.1	U	1	1.70	10.1	ug/Kg	10/20/25 16:02	VW102025
71-55-6	1,1,1-Trichloroethane	10.1	U	1	1.90	10.1	ug/Kg	10/20/25 16:02	VW102025
108-87-2	Methylcyclohexane	29.1		1	1.80	10.1	ug/Kg	10/20/25 16:02	VW102025
71-43-2	Benzene	9.00	J	1	1.60	10.1	ug/Kg	10/20/25 16:02	VW102025
107-06-2	1,2-Dichloroethane	10.1	U	1	1.60	10.1	ug/Kg	10/20/25 16:02	VW102025
79-01-6	Trichloroethene	10.1	U	1	1.60	10.1	ug/Kg	10/20/25 16:02	VW102025
78-87-5	1,2-Dichloropropane	10.1	U	1	1.80	10.1	ug/Kg	10/20/25 16:02	VW102025
75-27-4	Bromodichloromethane	10.1	U	1	1.60	10.1	ug/Kg	10/20/25 16:02	VW102025
108-10-1	4-Methyl-2-Pentanone	50.4	U	1	7.20	50.4	ug/Kg	10/20/25 16:02	VW102025
108-88-3	Toluene	10.1	U	1	1.60	10.1	ug/Kg	10/20/25 16:02	VW102025
10061-02-6	t-1,3-Dichloropropene	10.1	U	1	1.30	10.1	ug/Kg	10/20/25 16:02	VW102025
10061-01-5	cis-1,3-Dichloropropene	10.1	U	1	1.30	10.1	ug/Kg	10/20/25 16:02	VW102025
79-00-5	1,1,2-Trichloroethane	10.1	U	1	1.90	10.1	ug/Kg	10/20/25 16:02	VW102025
591-78-6	2-Hexanone	50.4	U	1	7.40	50.4	ug/Kg	10/20/25 16:02	VW102025
124-48-1	Dibromochloromethane	10.1	U	1	1.80	10.1	ug/Kg	10/20/25 16:02	VW102025
106-93-4	1,2-Dibromoethane	10.1	U	1	1.80	10.1	ug/Kg	10/20/25 16:02	VW102025
127-18-4	Tetrachloroethene	10.1	U	1	2.10	10.1	ug/Kg	10/20/25 16:02	VW102025
108-90-7	Chlorobenzene	10.1	U	1	1.80	10.1	ug/Kg	10/20/25 16:02	VW102025
100-41-4	Ethyl Benzene	2.70	J	1	1.40	10.1	ug/Kg	10/20/25 16:02	VW102025
179601-23-1	m/p-Xylenes	14.5	J	1	2.50	20.2	ug/Kg	10/20/25 16:02	VW102025
95-47-6	o-Xylene	26.4		1	1.70	10.1	ug/Kg	10/20/25 16:02	VW102025
100-42-5	Styrene	10.1	U	1	1.40	10.1	ug/Kg	10/20/25 16:02	VW102025
75-25-2	Bromoform	10.1	U	1	1.70	10.1	ug/Kg	10/20/25 16:02	VW102025

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-047072-202510	SDG No.:	Q3376
Lab Sample ID:	Q3376-04	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	51.3
Sample Wt/Vol:	4.83 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	10.1	U	1	1.60	10.1	ug/Kg	10/20/25 16:02	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	10.1	U	1	2.40	10.1	ug/Kg	10/20/25 16:02	VW102025
541-73-1	1,3-Dichlorobenzene	10.1	U	1	3.50	10.1	ug/Kg	10/20/25 16:02	VW102025
106-46-7	1,4-Dichlorobenzene	10.1	U	1	3.10	10.1	ug/Kg	10/20/25 16:02	VW102025
95-50-1	1,2-Dichlorobenzene	10.1	U	1	2.90	10.1	ug/Kg	10/20/25 16:02	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	10.1	U	1	3.70	10.1	ug/Kg	10/20/25 16:02	VW102025
120-82-1	1,2,4-Trichlorobenzene	10.1	U	1	6.00	10.1	ug/Kg	10/20/25 16:02	VW102025
87-61-6	1,2,3-Trichlorobenzene	10.1	U	1	6.40	10.1	ug/Kg	10/20/25 16:02	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.6			63 - 155	121%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.3			70 - 134	107%	SPK: 50		
2037-26-5	Toluene-d8	52.7			74 - 123	105%	SPK: 50		
460-00-4	4-Bromofluorobenzene	68.1			17 - 146	136%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	229000							
540-36-3	1,4-Difluorobenzene	505000							
3114-55-4	Chlorobenzene-d5	503000							
3855-82-1	1,4-Dichlorobenzene-d4	263000							
TENTATIVE IDENTIFIED COMPOUNDS									
002051-30-1	Octane, 2,6-dimethyl-	200	J			12.3	ug/Kg		
108-67-8	1,3,5-Trimethylbenzene	6.40	J			12.9	ug/Kg		
000141-70-8	Heptane, 2,2,6,6-tetramethyl-4-met	320	J			13.1	ug/Kg		
95-63-6	1,2,4-Trimethylbenzene	12.6	J			13.2	ug/Kg		
000091-17-8	Naphthalene, decahydro-	210	J			13.9	ug/Kg		
017301-23-4	Undecane, 2,6-dimethyl-	180	J			14.8	ug/Kg		

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

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-020047-202510	SDG No.:	Q3376
Lab Sample ID:	Q3376-05	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 66.8
Sample Wt/Vol:	2.94 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	12.7	U	1	2.90	12.7	ug/Kg	10/20/25 16:24	VW102025
74-87-3	Chloromethane	12.7	U	1	2.90	12.7	ug/Kg	10/20/25 16:24	VW102025
75-01-4	Vinyl Chloride	12.7	U	1	2.00	12.7	ug/Kg	10/20/25 16:24	VW102025
74-83-9	Bromomethane	12.7	U	1	2.70	12.7	ug/Kg	10/20/25 16:24	VW102025
75-00-3	Chloroethane	12.7	U	1	3.20	12.7	ug/Kg	10/20/25 16:24	VW102025
75-69-4	Trichlorofluoromethane	12.7	U	1	3.10	12.7	ug/Kg	10/20/25 16:24	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	12.7	U	1	2.70	12.7	ug/Kg	10/20/25 16:24	VW102025
75-35-4	1,1-Dichloroethene	12.7	U	1	2.50	12.7	ug/Kg	10/20/25 16:24	VW102025
67-64-1	Acetone	290		1	12.1	63.6	ug/Kg	10/20/25 16:24	VW102025
75-15-0	Carbon Disulfide	38.1		1	2.70	12.7	ug/Kg	10/20/25 16:24	VW102025
1634-04-4	Methyl tert-butyl Ether	12.7	U	1	1.90	12.7	ug/Kg	10/20/25 16:24	VW102025
79-20-9	Methyl Acetate	12.7	U	1	3.90	12.7	ug/Kg	10/20/25 16:24	VW102025
75-09-2	Methylene Chloride	25.5	U	1	9.00	25.5	ug/Kg	10/20/25 16:24	VW102025
156-60-5	trans-1,2-Dichloroethene	12.7	U	1	2.20	12.7	ug/Kg	10/20/25 16:24	VW102025
75-34-3	1,1-Dichloroethane	12.7	U	1	2.00	12.7	ug/Kg	10/20/25 16:24	VW102025
110-82-7	Cyclohexane	12.7	U	1	2.00	12.7	ug/Kg	10/20/25 16:24	VW102025
78-93-3	2-Butanone	89.0		1	16.7	63.6	ug/Kg	10/20/25 16:24	VW102025
56-23-5	Carbon Tetrachloride	12.7	U	1	2.50	12.7	ug/Kg	10/20/25 16:24	VW102025
156-59-2	cis-1,2-Dichloroethene	12.7	U	1	1.90	12.7	ug/Kg	10/20/25 16:24	VW102025
74-97-5	Bromochloromethane	12.7	U	1	2.90	12.7	ug/Kg	10/20/25 16:24	VW102025
67-66-3	Chloroform	12.7	U	1	2.10	12.7	ug/Kg	10/20/25 16:24	VW102025
71-55-6	1,1,1-Trichloroethane	12.7	U	1	2.40	12.7	ug/Kg	10/20/25 16:24	VW102025
108-87-2	Methylcyclohexane	12.9		1	2.30	12.7	ug/Kg	10/20/25 16:24	VW102025
71-43-2	Benzene	12.7	U	1	2.00	12.7	ug/Kg	10/20/25 16:24	VW102025
107-06-2	1,2-Dichloroethane	12.7	U	1	2.00	12.7	ug/Kg	10/20/25 16:24	VW102025
79-01-6	Trichloroethene	12.7	U	1	2.10	12.7	ug/Kg	10/20/25 16:24	VW102025
78-87-5	1,2-Dichloropropane	12.7	U	1	2.30	12.7	ug/Kg	10/20/25 16:24	VW102025
75-27-4	Bromodichloromethane	12.7	U	1	2.00	12.7	ug/Kg	10/20/25 16:24	VW102025
108-10-1	4-Methyl-2-Pentanone	63.6	U	1	9.10	63.6	ug/Kg	10/20/25 16:24	VW102025
108-88-3	Toluene	12.7	U	1	2.00	12.7	ug/Kg	10/20/25 16:24	VW102025
10061-02-6	t-1,3-Dichloropropene	12.7	U	1	1.70	12.7	ug/Kg	10/20/25 16:24	VW102025
10061-01-5	cis-1,3-Dichloropropene	12.7	U	1	1.60	12.7	ug/Kg	10/20/25 16:24	VW102025
79-00-5	1,1,2-Trichloroethane	12.7	U	1	2.30	12.7	ug/Kg	10/20/25 16:24	VW102025
591-78-6	2-Hexanone	63.6	U	1	9.40	63.6	ug/Kg	10/20/25 16:24	VW102025
124-48-1	Dibromochloromethane	12.7	U	1	2.20	12.7	ug/Kg	10/20/25 16:24	VW102025
106-93-4	1,2-Dibromoethane	12.7	U	1	2.20	12.7	ug/Kg	10/20/25 16:24	VW102025
127-18-4	Tetrachloroethene	12.7	U	1	2.70	12.7	ug/Kg	10/20/25 16:24	VW102025
108-90-7	Chlorobenzene	12.7	U	1	2.30	12.7	ug/Kg	10/20/25 16:24	VW102025
100-41-4	Ethyl Benzene	12.7	U	1	1.70	12.7	ug/Kg	10/20/25 16:24	VW102025
179601-23-1	m/p-Xylenes	25.5	U	1	3.20	25.5	ug/Kg	10/20/25 16:24	VW102025
95-47-6	o-Xylene	8.80	J	1	2.10	12.7	ug/Kg	10/20/25 16:24	VW102025
100-42-5	Styrene	12.7	U	1	1.80	12.7	ug/Kg	10/20/25 16:24	VW102025
75-25-2	Bromoform	12.7	U	1	2.20	12.7	ug/Kg	10/20/25 16:24	VW102025

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-020047-202510	SDG No.:	Q3376
Lab Sample ID:	Q3376-05	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	66.8
Sample Wt/Vol:	2.94 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	12.7	U	1	2.00	12.7	ug/Kg	10/20/25 16:24	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	12.7	U	1	3.10	12.7	ug/Kg	10/20/25 16:24	VW102025
541-73-1	1,3-Dichlorobenzene	12.7	U	1	4.40	12.7	ug/Kg	10/20/25 16:24	VW102025
106-46-7	1,4-Dichlorobenzene	12.7	U	1	4.00	12.7	ug/Kg	10/20/25 16:24	VW102025
95-50-1	1,2-Dichlorobenzene	12.7	U	1	3.70	12.7	ug/Kg	10/20/25 16:24	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	12.7	U	1	4.70	12.7	ug/Kg	10/20/25 16:24	VW102025
120-82-1	1,2,4-Trichlorobenzene	12.7	U	1	7.60	12.7	ug/Kg	10/20/25 16:24	VW102025
87-61-6	1,2,3-Trichlorobenzene	12.7	U	1	8.10	12.7	ug/Kg	10/20/25 16:24	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.8			63 - 155	118%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.8			70 - 134	104%	SPK: 50		
2037-26-5	Toluene-d8	53.0			74 - 123	106%	SPK: 50		
460-00-4	4-Bromofluorobenzene	55.5			17 - 146	111%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	221000							
540-36-3	1,4-Difluorobenzene	500000							
3114-55-4	Chlorobenzene-d5	487000							
3855-82-1	1,4-Dichlorobenzene-d4	228000							
TENTATIVE IDENTIFIED COMPOUNDS									
007146-60-3	Octane, 2,3-dimethyl-	210	J			12.4	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-FB01-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-07	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	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	0.22	5.00	ug/L	10/21/25 17:48	VX102125
74-87-3	Chloromethane	5.00	U	1	0.32	5.00	ug/L	10/21/25 17:48	VX102125
75-01-4	Vinyl Chloride	5.00	U	1	0.26	5.00	ug/L	10/21/25 17:48	VX102125
74-83-9	Bromomethane	5.00	U	1	1.40	5.00	ug/L	10/21/25 17:48	VX102125
75-00-3	Chloroethane	5.00	U	1	0.47	5.00	ug/L	10/21/25 17:48	VX102125
75-69-4	Trichlorofluoromethane	5.00	U	1	0.33	5.00	ug/L	10/21/25 17:48	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	0.25	5.00	ug/L	10/21/25 17:48	VX102125
75-35-4	1,1-Dichloroethene	5.00	U	1	0.23	5.00	ug/L	10/21/25 17:48	VX102125
67-64-1	Acetone	5.70	J	1	1.50	25.0	ug/L	10/21/25 17:48	VX102125
75-15-0	Carbon Disulfide	5.00	U	1	0.21	5.00	ug/L	10/21/25 17:48	VX102125
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.16	5.00	ug/L	10/21/25 17:48	VX102125
79-20-9	Methyl Acetate	5.00	U	1	0.27	5.00	ug/L	10/21/25 17:48	VX102125
75-09-2	Methylene Chloride	5.00	U	1	0.28	5.00	ug/L	10/21/25 17:48	VX102125
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.23	5.00	ug/L	10/21/25 17:48	VX102125
75-34-3	1,1-Dichloroethane	5.00	U	1	0.23	5.00	ug/L	10/21/25 17:48	VX102125
110-82-7	Cyclohexane	5.00	U	1	1.50	5.00	ug/L	10/21/25 17:48	VX102125
78-93-3	2-Butanone	25.0	U	1	0.98	25.0	ug/L	10/21/25 17:48	VX102125
56-23-5	Carbon Tetrachloride	5.00	U	1	0.25	5.00	ug/L	10/21/25 17:48	VX102125
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.19	5.00	ug/L	10/21/25 17:48	VX102125
74-97-5	Bromochloromethane	5.00	U	1	0.22	5.00	ug/L	10/21/25 17:48	VX102125
67-66-3	Chloroform	5.00	U	1	0.25	5.00	ug/L	10/21/25 17:48	VX102125
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.20	5.00	ug/L	10/21/25 17:48	VX102125
108-87-2	Methylcyclohexane	5.00	U	1	0.16	5.00	ug/L	10/21/25 17:48	VX102125
71-43-2	Benzene	5.00	U	1	0.15	5.00	ug/L	10/21/25 17:48	VX102125
107-06-2	1,2-Dichloroethane	5.00	U	1	0.22	5.00	ug/L	10/21/25 17:48	VX102125
79-01-6	Trichloroethene	5.00	U	1	0.090	5.00	ug/L	10/21/25 17:48	VX102125
78-87-5	1,2-Dichloropropane	5.00	U	1	0.20	5.00	ug/L	10/21/25 17:48	VX102125
75-27-4	Bromodichloromethane	5.00	U	1	0.22	5.00	ug/L	10/21/25 17:48	VX102125
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	0.68	25.0	ug/L	10/21/25 17:48	VX102125
108-88-3	Toluene	5.00	U	1	0.14	5.00	ug/L	10/21/25 17:48	VX102125
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.17	5.00	ug/L	10/21/25 17:48	VX102125
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.16	5.00	ug/L	10/21/25 17:48	VX102125
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.21	5.00	ug/L	10/21/25 17:48	VX102125
591-78-6	2-Hexanone	25.0	U	1	0.89	25.0	ug/L	10/21/25 17:48	VX102125
124-48-1	Dibromochloromethane	5.00	U	1	0.18	5.00	ug/L	10/21/25 17:48	VX102125
106-93-4	1,2-Dibromoethane	5.00	U	1	0.15	5.00	ug/L	10/21/25 17:48	VX102125
127-18-4	Tetrachloroethene	5.00	U	1	0.23	5.00	ug/L	10/21/25 17:48	VX102125
108-90-7	Chlorobenzene	5.00	U	1	0.12	5.00	ug/L	10/21/25 17:48	VX102125
100-41-4	Ethyl Benzene	5.00	U	1	0.13	5.00	ug/L	10/21/25 17:48	VX102125
179601-23-1	m/p-Xylenes	10.0	U	1	0.24	10.0	ug/L	10/21/25 17:48	VX102125
95-47-6	o-Xylene	5.00	U	1	0.12	5.00	ug/L	10/21/25 17:48	VX102125
100-42-5	Styrene	5.00	U	1	0.15	5.00	ug/L	10/21/25 17:48	VX102125
75-25-2	Bromoform	5.00	U	1	0.19	5.00	ug/L	10/21/25 17:48	VX102125

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-FB01-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-07	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	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	0.12	5.00	ug/L	10/21/25 17:48	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	0.26	5.00	ug/L	10/21/25 17:48	VX102125
541-73-1	1,3-Dichlorobenzene	5.00	U	1	0.16	5.00	ug/L	10/21/25 17:48	VX102125
106-46-7	1,4-Dichlorobenzene	5.00	U	1	0.19	5.00	ug/L	10/21/25 17:48	VX102125
95-50-1	1,2-Dichlorobenzene	5.00	U	1	0.16	5.00	ug/L	10/21/25 17:48	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	0.53	5.00	ug/L	10/21/25 17:48	VX102125
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	0.20	5.00	ug/L	10/21/25 17:48	VX102125
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	0.20	5.00	ug/L	10/21/25 17:48	VX102125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.4			74 - 125	117%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.8			75 - 124	100%	SPK: 50		
2037-26-5	Toluene-d8	48.0			86 - 113	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	57.1			77 - 121	114%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	96000							
540-36-3	1,4-Difluorobenzene	185000							
3114-55-4	Chlorobenzene-d5	197000							
3855-82-1	1,4-Dichlorobenzene-d4	106000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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

SDG No.: Q3376

Client: AECOM

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3376-01	PR132-S05-057082-20251016	1,2-Dichloroethane-d4	50	63.1	126		63	155
		Dibromofluoromethane	50	55.1	110		70	134
		Toluene-d8	50	58.9	118		74	123
		4-Bromofluorobenzene	50	64.6	129		17	146
Q3376-02	PR132-DP01-20251016	1,2-Dichloroethane-d4	50	57.2	114		63	155
		Dibromofluoromethane	50	51.6	103		70	134
		Toluene-d8	50	52.8	106		74	123
		4-Bromofluorobenzene	50	47.1	94		17	146
Q3376-03	PR132-COMP2-20251016	1,2-Dichloroethane-d4	50	60.3	121		63	155
		Dibromofluoromethane	50	53.8	107		70	134
		Toluene-d8	50	55.5	111		74	123
		4-Bromofluorobenzene	50	64.7	129		17	146
Q3376-04	PR132-S12-047072-20251016	1,2-Dichloroethane-d4	50	60.6	121		63	155
		Dibromofluoromethane	50	53.3	107		70	134
		Toluene-d8	50	52.7	105		74	123
		4-Bromofluorobenzene	50	68.1	136		17	146
Q3376-05	PR132-S12-020047-20251016	1,2-Dichloroethane-d4	50	58.8	118		63	155
		Dibromofluoromethane	50	51.8	104		70	134
		Toluene-d8	50	53.0	106		74	123
		4-Bromofluorobenzene	50	55.5	111		17	146
Q3376-07	PR132-FB01-20251016	1,2-Dichloroethane-d4	50	58.4	117		74	125
		Dibromofluoromethane	50	49.8	100		75	124
		Toluene-d8	50	48.0	96		86	113
		4-Bromofluorobenzene	50	57.1	114		77	121
VW1020SBL01	VW1020SBL01	1,2-Dichloroethane-d4	50	65.7	131		63	155
		Dibromofluoromethane	50	58.2	116		70	134
		Toluene-d8	50	54.5	109		74	123
		4-Bromofluorobenzene	50	51.8	104		17	146
VW1020SBS01	VW1020SBS01	1,2-Dichloroethane-d4	50	52.1	104		63	155
		Dibromofluoromethane	50	53.3	107		70	134
		Toluene-d8	50	53.0	106		74	123
		4-Bromofluorobenzene	50	51.7	103		17	146
VW1020SBSD0	VW1020SBSD01	1,2-Dichloroethane-d4	50	53.1	106		63	155
		Dibromofluoromethane	50	54.5	109		70	134
		Toluene-d8	50	54.5	109		74	123
		4-Bromofluorobenzene	50	52.8	106		17	146
VY1021SBL01	VY1021SBL01	1,2-Dichloroethane-d4	50	46.0	92		63	155
		Dibromofluoromethane	50	49.7	99		70	134
		Toluene-d8	50	48.1	96		74	123
		4-Bromofluorobenzene	50	36.4	73		17	146
VY1021SBS01	VY1021SBS01	1,2-Dichloroethane-d4	50	46.9	94		63	155
		Dibromofluoromethane	50	50.9	102		70	134
		Toluene-d8	50	51.3	103		74	123
		4-Bromofluorobenzene	50	49.9	100		17	146

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Surrogate Summary

SDG No.: Q3376

Client: AECOM

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VX1021WBL01	VX1021WBL01	1,2-Dichloroethane-d4	50	52.5	105		74	125
		Dibromofluoromethane	50	47.1	94		75	124
		Toluene-d8	50	46.4	93		86	113
		4-Bromofluorobenzene	50	52.6	105		77	121
VX1021WBS01	VX1021WBS01	1,2-Dichloroethane-d4	50	49.2	98		74	125
		Dibromofluoromethane	50	49.3	99		75	124
		Toluene-d8	50	47.8	96		86	113
		4-Bromofluorobenzene	50	49.7	99		77	121
VX1021WBSD0	VX1021WBSD01	1,2-Dichloroethane-d4	50	46.5	93		74	125
		Dibromofluoromethane	50	48.0	96		75	124
		Toluene-d8	50	47.9	96		86	113
		4-Bromofluorobenzene	50	47.3	95		77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3376 **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.: Q3376 **Analytical Method:** SW8260D

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

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

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** SW8260D

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

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

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** SW8260D

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

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

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX048255.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1021WBS01	Dichlorodifluoromethane	20	16.8	ug/L	84			69	116	
	Chloromethane	20	17.8	ug/L	89			65	116	
	Vinyl chloride	20	17.6	ug/L	88			65	117	
	Bromomethane	20	19.3	ug/L	97			58	125	
	Chloroethane	20	18.9	ug/L	95			56	128	
	Trichlorofluoromethane	20	17.7	ug/L	89			73	115	
	1,1,2-Trichlorotrifluoroethane	20	17.6	ug/L	88			80	112	
	1,1-Dichloroethene	20	18.0	ug/L	90			74	110	
	Acetone	100	82.3	ug/L	82			60	125	
	Carbon disulfide	20	16.6	ug/L	83			64	112	
	Methyl tert-butyl Ether	20	17.6	ug/L	88			78	114	
	Methyl Acetate	20	17.5	ug/L	88			67	125	
	Methylene Chloride	20	19.1	ug/L	96			72	114	
	trans-1,2-Dichloroethene	20	17.9	ug/L	90			75	108	
	1,1-Dichloroethane	20	18.4	ug/L	92			78	112	
	Cyclohexane	20	19.2	ug/L	96			75	110	
	2-Butanone	100	85.2	ug/L	85			65	122	
	Carbon Tetrachloride	20	17.0	ug/L	85			77	113	
	cis-1,2-Dichloroethene	20	18.9	ug/L	95			77	110	
	Bromochloromethane	20	21.6	ug/L	108			70	124	
	Chloroform	20	18.8	ug/L	94			79	113	
	1,1,1-Trichloroethane	20	18.1	ug/L	91			80	108	
	Methylcyclohexane	20	17.0	ug/L	85			72	115	
	Benzene	20	18.5	ug/L	93			82	109	
	1,2-Dichloroethane	20	19.1	ug/L	96			80	115	
	Trichloroethene	20	18.1	ug/L	91			77	113	
	1,2-Dichloropropane	20	19.3	ug/L	97			83	111	
	Bromodichloromethane	20	18.6	ug/L	93			83	110	
	4-Methyl-2-Pentanone	100	86.9	ug/L	87			74	118	
	Toluene	20	18.8	ug/L	94			82	110	
	t-1,3-Dichloropropene	20	18.4	ug/L	92			79	110	
	cis-1,3-Dichloropropene	20	18.8	ug/L	94			82	110	
	1,1,2-Trichloroethane	20	19.1	ug/L	96			83	112	
	2-Hexanone	100	85.9	ug/L	86			73	117	
	Dibromochloromethane	20	18.1	ug/L	91			82	110	
	1,2-Dibromoethane	20	18.6	ug/L	93			81	110	
	Tetrachloroethene	20	16.9	ug/L	85			67	123	
	Chlorobenzene	20	18.0	ug/L	90			82	109	
	Ethyl Benzene	20	17.8	ug/L	89			83	109	
	m/p-Xylenes	40	36.8	ug/L	92			82	110	
	o-Xylene	20	18.1	ug/L	91			83	109	
	Styrene	20	18.8	ug/L	94			80	111	
	Bromoform	20	17.0	ug/L	85			79	109	
	Isopropylbenzene	20	17.1	ug/L	86			83	112	
	1,1,2,2-Tetrachloroethane	20	17.3	ug/L	86			76	118	
	1,3-Dichlorobenzene	20	17.2	ug/L	86			82	108	
	1,4-Dichlorobenzene	20	16.6	ug/L	83			82	107	
	1,2-Dichlorobenzene	20	17.2	ug/L	86			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX048255.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1021WBS01	1,2-Dibromo-3-Chloropropane	20	14.2	ug/L	71			68	112	
	1,2,4-Trichlorobenzene	20	15.2	ug/L	76			75	113	
	1,2,3-Trichlorobenzene	20	15.5	ug/L	78			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX048256.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1021WBSD01	Dichlorodifluoromethane	20	18.0	ug/L	90	7		69	116	19
	Chloromethane	20	17.3	ug/L	86	3		65	116	21
	Vinyl chloride	20	16.9	ug/L	85	3		65	117	19
	Bromomethane	20	19.0	ug/L	95	2		58	125	20
	Chloroethane	20	19.0	ug/L	95	0		56	128	20
	Trichlorofluoromethane	20	17.9	ug/L	90	1		73	115	16
	1,1,2-Trichlorotrifluoroethane	20	17.7	ug/L	89	1		80	112	15
	1,1-Dichloroethene	20	17.9	ug/L	90	0		74	110	20
	Acetone	100	81.6	ug/L	82	0		60	125	20
	Carbon disulfide	20	16.9	ug/L	85	2		64	112	20
	Methyl tert-butyl Ether	20	18.0	ug/L	90	2		78	114	20
	Methyl Acetate	20	16.9	ug/L	85	3		67	125	20
	Methylene Chloride	20	18.5	ug/L	93	3		72	114	20
	trans-1,2-Dichloroethene	20	18.8	ug/L	94	4		75	108	16
	1,1-Dichloroethane	20	18.8	ug/L	94	2		78	112	20
	Cyclohexane	20	18.4	ug/L	92	4		75	110	20
	2-Butanone	100	85.7	ug/L	86	1		65	122	26
	Carbon Tetrachloride	20	17.2	ug/L	86	1		77	113	15
	cis-1,2-Dichloroethene	20	19.1	ug/L	96	1		77	110	20
	Bromochloromethane	20	21.3	ug/L	106	2		70	124	20
	Chloroform	20	19.0	ug/L	95	1		79	113	20
	1,1,1-Trichloroethane	20	18.3	ug/L	92	1		80	108	20
	Methylcyclohexane	20	18.2	ug/L	91	7		72	115	20
	Benzene	20	18.8	ug/L	94	1		82	109	15
	1,2-Dichloroethane	20	18.5	ug/L	93	3		80	115	20
	Trichloroethene	20	18.3	ug/L	92	1		77	113	15
	1,2-Dichloropropane	20	19.8	ug/L	99	2		83	111	16
	Bromodichloromethane	20	18.8	ug/L	94	1		83	110	16
	4-Methyl-2-Pentanone	100	89.0	ug/L	89	2		74	118	25
	Toluene	20	18.9	ug/L	95	1		82	110	16
	t-1,3-Dichloropropene	20	18.5	ug/L	93	1		79	110	20
	cis-1,3-Dichloropropene	20	18.5	ug/L	93	1		82	110	16
	1,1,2-Trichloroethane	20	19.3	ug/L	97	1		83	112	20
	2-Hexanone	100	87.8	ug/L	88	2		73	117	25
	Dibromochloromethane	20	18.3	ug/L	92	1		82	110	20
	1,2-Dibromoethane	20	18.6	ug/L	93	0		81	110	20
	Tetrachloroethene	20	17.5	ug/L	88	3		67	123	15
	Chlorobenzene	20	18.9	ug/L	95	5		82	109	15
	Ethyl Benzene	20	18.3	ug/L	92	3		83	109	16
	m/p-Xylenes	40	37.5	ug/L	94	2		82	110	15
	o-Xylene	20	18.5	ug/L	93	2		83	109	20
	Styrene	20	19.2	ug/L	96	2		80	111	17
	Bromoform	20	17.7	ug/L	89	5		79	109	20
	Isopropylbenzene	20	18.5	ug/L	93	8		83	112	29
	1,1,2,2-Tetrachloroethane	20	18.4	ug/L	92	7		76	118	20
	1,3-Dichlorobenzene	20	18.2	ug/L	91	6		82	108	20
	1,4-Dichlorobenzene	20	18.2	ug/L	91	9		82	107	15
	1,2-Dichlorobenzene	20	18.6	ug/L	93	8		82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3376**	**Analytical Method:**	**SW8260-Low**
Client:	**AECOM**	**Datafile :**	VX048256.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1021WBSD01	1,2-Dibromo-3-Chloropropane	20	16.9	ug/L	85	18		68	112	20
	1,2,4-Trichlorobenzene	20	16.8	ug/L	84	10		75	113	29
	1,2,3-Trichlorobenzene	20	17.3	ug/L	86	10		76	114	29

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VY023523.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1021SBS01	Dichlorodifluoromethane	20	20.3	ug/Kg	102			64	136	
	Chloromethane	20	19.5	ug/Kg	98			52	151	
	Vinyl chloride	20	20.2	ug/Kg	101			56	148	
	Bromomethane	20	21.5	ug/Kg	108			58	141	
	Chloroethane	20	21.2	ug/Kg	106			69	130	
	Trichlorofluoromethane	20	20.4	ug/Kg	102			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.1	ug/Kg	106			81	123	
	1,1-Dichloroethene	20	20.2	ug/Kg	101			79	121	
	Acetone	100	120	ug/Kg	120			40	171	
	Carbon disulfide	20	20.2	ug/Kg	101			59	130	
	Methyl tert-butyl Ether	20	18.0	ug/Kg	90			77	129	
	Methyl Acetate	20	15.9	ug/Kg	79			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	20.5	ug/Kg	103			82	123	
	Cyclohexane	20	18.8	ug/Kg	94			76	122	
	2-Butanone	100	100	ug/Kg	100			69	131	
	Carbon Tetrachloride	20	21.7	ug/Kg	109			76	129	
	cis-1,2-Dichloroethene	20	20.7	ug/Kg	104			82	123	
	Bromochloromethane	20	19.7	ug/Kg	99			80	127	
	Chloroform	20	21.5	ug/Kg	108			82	125	
	1,1,1-Trichloroethane	20	21.1	ug/Kg	106			80	126	
	Methylcyclohexane	20	19.8	ug/Kg	99			77	123	
	Benzene	20	21.6	ug/Kg	108			84	121	
	1,2-Dichloroethane	20	20.0	ug/Kg	100			81	126	
	Trichloroethene	20	21.9	ug/Kg	110			83	122	
	1,2-Dichloropropane	20	21.5	ug/Kg	108			83	122	
	Bromodichloromethane	20	21.3	ug/Kg	106			82	123	
	4-Methyl-2-Pentanone	100	86.7	ug/Kg	87			70	135	
	Toluene	20	21.9	ug/Kg	110			83	122	
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100			78	124	
	cis-1,3-Dichloropropene	20	20.8	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	21.0	ug/Kg	105			82	125	
	2-Hexanone	100	95.9	ug/Kg	96			66	138	
	Dibromochloromethane	20	20.8	ug/Kg	104			79	125	
	1,2-Dibromoethane	20	20.1	ug/Kg	101			80	125	
	Tetrachloroethene	20	22.0	ug/Kg	110			83	125	
	Chlorobenzene	20	21.2	ug/Kg	106			84	122	
	Ethyl Benzene	20	21.0	ug/Kg	105			82	124	
	m/p-Xylenes	40	43.1	ug/Kg	108			83	124	
	o-Xylene	20	20.6	ug/Kg	103			83	123	
	Styrene	20	21.0	ug/Kg	105			82	124	
	Bromoform	20	19.5	ug/Kg	98			75	127	
	Isopropylbenzene	20	20.3	ug/Kg	102			82	124	
	1,1,2,2-Tetrachloroethane	20	18.2	ug/Kg	91			77	127	
	1,3-Dichlorobenzene	20	20.7	ug/Kg	104			83	122	
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	20.5	ug/Kg	103			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VY023523.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1021SBS01	1,2-Dibromo-3-Chloropropane	20	17.0	ug/Kg	85			66	134	
	1,2,4-Trichlorobenzene	20	18.0	ug/Kg	90			78	127	
	1,2,3-Trichlorobenzene	20	18.1	ug/Kg	91			70	137	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VW1020SBL01

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3376

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

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

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

Instrument ID: MSVOA_W

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW1020SBS01	VW1020SBS01	VW032380.D	10/20/2025
VW1020SBSD01	VW1020SBSD01	VW032381.D	10/20/2025
PR132-S05-057082-20251016	Q3376-01	VW032388.D	10/20/2025
PR132-COMP2-20251016	Q3376-03	VW032390.D	10/20/2025
PR132-S12-047072-20251016	Q3376-04	VW032391.D	10/20/2025
PR132-S12-020047-20251016	Q3376-05	VW032392.D	10/20/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID
VX1021WBL01

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3376

Lab File ID: VX048254.D Lab Sample ID: VX1021WBL01

Date Analyzed: 10/21/2025 Time Analyzed: 09:40

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1021WBS01	VX1021WBS01	VX048255.D	10/21/2025
VX1021WBSD01	VX1021WBSD01	VX048256.D	10/21/2025
PR132-FB01-20251016	Q3376-07	VX048277.D	10/21/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY1021SBL01

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3376

Lab File ID: VY023522.D Lab Sample ID: VY1021SBL01

Date Analyzed: 10/21/2025 Time Analyzed: 09:34

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1021SBS01	VY1021SBS01	VY023523.D	10/21/2025
PR132-DP01-20251016	Q3376-02	VY023528.D	10/21/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG NO.: Q3376
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.: Q3376

Lab File ID: VW032377.D | BFB Injection Date: 10/20/2025

Instrument ID: MSVOA_W | BFB Injection Time: 09:36

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

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

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW032378.D	10/20/2025	10:20
VW1020SBL01	VW1020SBL01	VW032379.D	10/20/2025	11:11
VW1020SBS01	VW1020SBS01	VW032380.D	10/20/2025	11:41
VW1020SBSD01	VW1020SBSD01	VW032381.D	10/20/2025	12:03
PR132-S05-057082-20251016	Q3376-01	VW032388.D	10/20/2025	14:56
PR132-COMP2-20251016	Q3376-03	VW032390.D	10/20/2025	15:40
PR132-S12-047072-20251016	Q3376-04	VW032391.D	10/20/2025	16:02
PR132-S12-020047-20251016	Q3376-05	VW032392.D	10/20/2025	16:24

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3376

Lab File ID: VX048226.D | BFB Injection Date: 10/20/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:15

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.7
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	76.5
175	5.0 - 9.0% of mass 174	5.8 (7.5) 1
176	95.0 - 101.0% of mass 174	73.8 (96.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.5) 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
VSTDICC001	VSTDICC001	VX048229.D	10/20/2025	10:59
VSTDICC020	VSTDICC020	VX048231.D	10/20/2025	11:40
VSTDICCC050	VSTDICCC050	VX048232.D	10/20/2025	12:01
VSTDICC100	VSTDICC100	VX048233.D	10/20/2025	12:22
VSTDICC150	VSTDICC150	VX048234.D	10/20/2025	12:43
VSTDICC005	VSTDICC005	VX048236.D	10/20/2025	13:49

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG NO.: Q3376
Lab File ID: VX048251.D
BFB Injection Date: 10/21/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:12
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18
75	30.0 - 60.0% of mass 95	50.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.6 (0.7) 1
174	50.0 - 100.0% of mass 95	75.8
175	5.0 - 9.0% of mass 174	5.5 (7.2) 1
176	95.0 - 101.0% of mass 174	72.8 (96.1) 1
177	5.0 - 9.0% of mass 176	5 (6.8) 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	VX048252.D	10/21/2025	08:43
VX1021WBL01	VX1021WBL01	VX048254.D	10/21/2025	09:40
VX1021WBS01	VX1021WBS01	VX048255.D	10/21/2025	10:06
VX1021WBSD01	VX1021WBSD01	VX048256.D	10/21/2025	10:33
PR132-FB01-20251016	Q3376-07	VX048277.D	10/21/2025	17:48

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3376

Lab File ID: VY023383.D | BFB Injection Date: 10/07/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:43

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	16.9
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (0.9) 1
174	50.0 - 100.0% of mass 95	99.1
175	5.0 - 9.0% of mass 174	7.3 (7.4) 1
176	95.0 - 101.0% of mass 174	95.4 (96.2) 1
177	5.0 - 9.0% of mass 176	6.3 (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	VY023384.D	10/07/2025	09:17
VSTDICC010	VSTDICC010	VY023385.D	10/07/2025	10:02
VSTDICC020	VSTDICC020	VY023386.D	10/07/2025	11:24
VSTDICCC050	VSTDICCC050	VY023387.D	10/07/2025	11:47
VSTDICC100	VSTDICC100	VY023388.D	10/07/2025	12:09
VSTDICC150	VSTDICC150	VY023389.D	10/07/2025	12:32

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3376

Lab File ID: VY023520.D | BFB Injection Date: 10/21/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:29

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	16.5
75	30.0 - 60.0% of mass 95	48.5
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	1.3 (1.4) 1
174	50.0 - 100.0% of mass 95	94.7
175	5.0 - 9.0% of mass 174	6.8 (7.1) 1
176	95.0 - 101.0% of mass 174	92.5 (97.7) 1
177	5.0 - 9.0% of mass 176	6.2 (6.7) 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	VY023521.D	10/21/2025	09:05
VY1021SBL01	VY1021SBL01	VY023522.D	10/21/2025	09:34
VY1021SBS01	VY1021SBS01	VY023523.D	10/21/2025	10:04
PR132-DP01-20251016	Q3376-02	VY023528.D	10/21/2025	12:14

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3376

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-S05-057082-20251016	204641	7.97	455902	8.86	429083	11.63
PR132-COMP2-20251016	223521	7.96	492025	8.85	496249	11.64
PR132-S12-047072-20251016	228874	7.96	504890	8.86	502710	11.63
PR132-S12-020047-20251016	220545	7.97	499682	8.86	486561	11.63
VW1020SBL01	172114	7.96	392797	8.85	400571	11.63
VW1020SBS01	280998	7.96	517149	8.85	480746	11.63
VW1020SBSD01	280654	7.96	507546	8.86	481210	11.63

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3376

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-S05-057082-20251016	193724	13.56				
PR132-COMP2-20251016	236278	13.56				
PR132-S12-047072-20251016	262504	13.56				
PR132-S12-020047-20251016	228417	13.56				
VW1020SBL01	188560	13.56				
VW1020SBS01	240746	13.56				
VW1020SBSD01	239754	13.56				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3376

Lab File ID: VX048252.D Date Analyzed: 10/21/2025

Instrument ID: MSVOA_X Time Analyzed: 08:43

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	144122	5.53	227103	6.74	197016	10.04
UPPER LIMIT	288244	6.031	454206	7.238	394032	10.537
LOWER LIMIT	72061	5.031	113552	6.238	98508	9.537
EPA SAMPLE NO.						
PR132-FB01-20251016	95980	5.54	184822	6.75	196926	10.04
VX1021WBL01	121915	5.53	240535	6.75	247603	10.04
VX1021WBS01	141199	5.54	230109	6.74	212342	10.04
VX1021WBSD01	137604	5.53	224103	6.74	203364	10.04

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.: Q3376

Lab File ID: VX048252.D Date Analyzed: 10/21/2025

Instrument ID: MSVOA_X Time Analyzed: 08:43

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	96991	12.006				
UPPER LIMIT	193982	12.506				
LOWER LIMIT	48495.5	11.506				
EPA SAMPLE NO.						
PR132-FB01-20251016	105671	12.01				
VX1021WBL01	126551	12.01				
VX1021WBS01	110789	12.01				
VX1021WBSD01	101316	12.01				

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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3376

Lab File ID: VY023521.D Date Analyzed: 10/21/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:05

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	499961	7.71	698196	8.62	642915	11.42
UPPER LIMIT	999922	8.213	1396390	9.116	1285830	11.92
LOWER LIMIT	249981	7.213	349098	8.116	321458	10.92
EPA SAMPLE NO.						
PR132-DP01-20251016	663057	7.71	1122781	8.62	941880	11.41
VY1021SBL01	767531	7.71	1271980	8.62	1000258	11.42
VY1021SBS01	494016	7.71	712868	8.62	635785	11.41

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.: Q3376

Lab File ID: VY023521.D Date Analyzed: 10/21/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:05

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

	IS4 AREA #	RT #				
12 HOUR STD	341616	13.347				
UPPER LIMIT	683232	13.847				
LOWER LIMIT	170808	12.847				
EPA SAMPLE NO.						
PR132-DP01-20251016	360030	13.35				
VY1021SBL01	378610	13.35				
VY1021SBS01	341398	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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:	VW1020SBL01	SDG No.:	Q3376
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.:	Q3376
Lab Sample ID:	VW1020SBL01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

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

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

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

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VX1021WBL01	SDG No.:	Q3376
Lab Sample ID:	VX1021WBL01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	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	1.00	U	1	0.22	1.00	ug/L	10/21/25 09:40	VX102125
74-87-3	Chloromethane	1.00	U	1	0.32	1.00	ug/L	10/21/25 09:40	VX102125
75-01-4	Vinyl Chloride	1.00	U	1	0.26	1.00	ug/L	10/21/25 09:40	VX102125
74-83-9	Bromomethane	5.00	U	1	1.40	5.00	ug/L	10/21/25 09:40	VX102125
75-00-3	Chloroethane	1.00	U	1	0.47	1.00	ug/L	10/21/25 09:40	VX102125
75-69-4	Trichlorofluoromethane	1.00	U	1	0.33	1.00	ug/L	10/21/25 09:40	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1	0.25	1.00	ug/L	10/21/25 09:40	VX102125
75-35-4	1,1-Dichloroethene	1.00	U	1	0.23	1.00	ug/L	10/21/25 09:40	VX102125
67-64-1	Acetone	5.00	U	1	1.50	5.00	ug/L	10/21/25 09:40	VX102125
75-15-0	Carbon Disulfide	1.00	U	1	0.21	1.00	ug/L	10/21/25 09:40	VX102125
1634-04-4	Methyl tert-butyl Ether	1.00	U	1	0.16	1.00	ug/L	10/21/25 09:40	VX102125
79-20-9	Methyl Acetate	1.00	U	1	0.27	1.00	ug/L	10/21/25 09:40	VX102125
75-09-2	Methylene Chloride	1.00	U	1	0.28	1.00	ug/L	10/21/25 09:40	VX102125
156-60-5	trans-1,2-Dichloroethene	1.00	U	1	0.23	1.00	ug/L	10/21/25 09:40	VX102125
75-34-3	1,1-Dichloroethane	1.00	U	1	0.23	1.00	ug/L	10/21/25 09:40	VX102125
110-82-7	Cyclohexane	5.00	U	1	1.50	5.00	ug/L	10/21/25 09:40	VX102125
78-93-3	2-Butanone	5.00	U	1	0.98	5.00	ug/L	10/21/25 09:40	VX102125
56-23-5	Carbon Tetrachloride	1.00	U	1	0.25	1.00	ug/L	10/21/25 09:40	VX102125
156-59-2	cis-1,2-Dichloroethene	1.00	U	1	0.19	1.00	ug/L	10/21/25 09:40	VX102125
74-97-5	Bromochloromethane	1.00	U	1	0.22	1.00	ug/L	10/21/25 09:40	VX102125
67-66-3	Chloroform	1.00	U	1	0.25	1.00	ug/L	10/21/25 09:40	VX102125
71-55-6	1,1,1-Trichloroethane	1.00	U	1	0.20	1.00	ug/L	10/21/25 09:40	VX102125
108-87-2	Methylcyclohexane	1.00	U	1	0.16	1.00	ug/L	10/21/25 09:40	VX102125
71-43-2	Benzene	1.00	U	1	0.15	1.00	ug/L	10/21/25 09:40	VX102125
107-06-2	1,2-Dichloroethane	1.00	U	1	0.22	1.00	ug/L	10/21/25 09:40	VX102125
79-01-6	Trichloroethene	1.00	U	1	0.090	1.00	ug/L	10/21/25 09:40	VX102125
78-87-5	1,2-Dichloropropane	1.00	U	1	0.20	1.00	ug/L	10/21/25 09:40	VX102125
75-27-4	Bromodichloromethane	1.00	U	1	0.22	1.00	ug/L	10/21/25 09:40	VX102125
108-10-1	4-Methyl-2-Pentanone	5.00	U	1	0.68	5.00	ug/L	10/21/25 09:40	VX102125
108-88-3	Toluene	1.00	U	1	0.14	1.00	ug/L	10/21/25 09:40	VX102125
10061-02-6	t-1,3-Dichloropropene	1.00	U	1	0.17	1.00	ug/L	10/21/25 09:40	VX102125
10061-01-5	cis-1,3-Dichloropropene	1.00	U	1	0.16	1.00	ug/L	10/21/25 09:40	VX102125
79-00-5	1,1,2-Trichloroethane	1.00	U	1	0.21	1.00	ug/L	10/21/25 09:40	VX102125
591-78-6	2-Hexanone	5.00	U	1	0.89	5.00	ug/L	10/21/25 09:40	VX102125
124-48-1	Dibromochloromethane	1.00	U	1	0.18	1.00	ug/L	10/21/25 09:40	VX102125
106-93-4	1,2-Dibromoethane	1.00	U	1	0.15	1.00	ug/L	10/21/25 09:40	VX102125
127-18-4	Tetrachloroethene	1.00	U	1	0.23	1.00	ug/L	10/21/25 09:40	VX102125
108-90-7	Chlorobenzene	1.00	U	1	0.12	1.00	ug/L	10/21/25 09:40	VX102125
100-41-4	Ethyl Benzene	1.00	U	1	0.13	1.00	ug/L	10/21/25 09:40	VX102125
179601-23-1	m/p-Xylenes	2.00	U	1	0.24	2.00	ug/L	10/21/25 09:40	VX102125
95-47-6	o-Xylene	1.00	U	1	0.12	1.00	ug/L	10/21/25 09:40	VX102125
100-42-5	Styrene	1.00	U	1	0.15	1.00	ug/L	10/21/25 09:40	VX102125
75-25-2	Bromoform	1.00	U	1	0.19	1.00	ug/L	10/21/25 09:40	VX102125

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:	VX1021WBL01	SDG No.:	Q3376
Lab Sample ID:	VX1021WBL01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	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	1.00	U	1	0.12	1.00	ug/L	10/21/25 09:40	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1	0.26	1.00	ug/L	10/21/25 09:40	VX102125
541-73-1	1,3-Dichlorobenzene	1.00	U	1	0.16	1.00	ug/L	10/21/25 09:40	VX102125
106-46-7	1,4-Dichlorobenzene	1.00	U	1	0.19	1.00	ug/L	10/21/25 09:40	VX102125
95-50-1	1,2-Dichlorobenzene	1.00	U	1	0.16	1.00	ug/L	10/21/25 09:40	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	1	0.53	1.00	ug/L	10/21/25 09:40	VX102125
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1	0.20	1.00	ug/L	10/21/25 09:40	VX102125
87-61-6	1,2,3-Trichlorobenzene	1.00	U	1	0.20	1.00	ug/L	10/21/25 09:40	VX102125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.5			74 - 125	105%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.1			75 - 124	94%	SPK: 50		
2037-26-5	Toluene-d8	46.4			86 - 113	93%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.7			77 - 121	105%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	122000							
540-36-3	1,4-Difluorobenzene	241000							
3114-55-4	Chlorobenzene-d5	248000							
3855-82-1	1,4-Dichlorobenzene-d4	127000							

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:	VY1021SBL01	SDG No.:	Q3376
Lab Sample ID:	VY1021SBL01	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	10/21/25 09:34	VY102125
74-87-3	Chloromethane	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
75-01-4	Vinyl Chloride	5.00	U	1	0.79	5.00	ug/Kg	10/21/25 09:34	VY102125
74-83-9	Bromomethane	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
75-00-3	Chloroethane	5.00	U	1	1.30	5.00	ug/Kg	10/21/25 09:34	VY102125
75-69-4	Trichlorofluoromethane	5.00	U	1	1.20	5.00	ug/Kg	10/21/25 09:34	VY102125
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
75-35-4	1,1-Dichloroethene	5.00	U	1	1.00	5.00	ug/Kg	10/21/25 09:34	VY102125
67-64-1	Acetone	25.0	U	1	4.70	25.0	ug/Kg	10/21/25 09:34	VY102125
75-15-0	Carbon Disulfide	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.73	5.00	ug/Kg	10/21/25 09:34	VY102125
79-20-9	Methyl Acetate	5.00	U	1	1.50	5.00	ug/Kg	10/21/25 09:34	VY102125
75-09-2	Methylene Chloride	10.0	U	1	3.50	10.0	ug/Kg	10/21/25 09:34	VY102125
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.86	5.00	ug/Kg	10/21/25 09:34	VY102125
75-34-3	1,1-Dichloroethane	5.00	U	1	0.80	5.00	ug/Kg	10/21/25 09:34	VY102125
110-82-7	Cyclohexane	5.00	U	1	0.79	5.00	ug/Kg	10/21/25 09:34	VY102125
78-93-3	2-Butanone	25.0	U	1	6.50	25.0	ug/Kg	10/21/25 09:34	VY102125
56-23-5	Carbon Tetrachloride	5.00	U	1	0.97	5.00	ug/Kg	10/21/25 09:34	VY102125
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.75	5.00	ug/Kg	10/21/25 09:34	VY102125
74-97-5	Bromochloromethane	5.00	U	1	1.20	5.00	ug/Kg	10/21/25 09:34	VY102125
67-66-3	Chloroform	5.00	U	1	0.84	5.00	ug/Kg	10/21/25 09:34	VY102125
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.93	5.00	ug/Kg	10/21/25 09:34	VY102125
108-87-2	Methylcyclohexane	5.00	U	1	0.91	5.00	ug/Kg	10/21/25 09:34	VY102125
71-43-2	Benzene	5.00	U	1	0.79	5.00	ug/Kg	10/21/25 09:34	VY102125
107-06-2	1,2-Dichloroethane	5.00	U	1	0.79	5.00	ug/Kg	10/21/25 09:34	VY102125
79-01-6	Trichloroethene	5.00	U	1	0.81	5.00	ug/Kg	10/21/25 09:34	VY102125
78-87-5	1,2-Dichloropropane	5.00	U	1	0.91	5.00	ug/Kg	10/21/25 09:34	VY102125
75-27-4	Bromodichloromethane	5.00	U	1	0.78	5.00	ug/Kg	10/21/25 09:34	VY102125
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	3.60	25.0	ug/Kg	10/21/25 09:34	VY102125
108-88-3	Toluene	5.00	U	1	0.78	5.00	ug/Kg	10/21/25 09:34	VY102125
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.65	5.00	ug/Kg	10/21/25 09:34	VY102125
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.62	5.00	ug/Kg	10/21/25 09:34	VY102125
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.92	5.00	ug/Kg	10/21/25 09:34	VY102125
591-78-6	2-Hexanone	25.0	U	1	3.70	25.0	ug/Kg	10/21/25 09:34	VY102125
124-48-1	Dibromochloromethane	5.00	U	1	0.87	5.00	ug/Kg	10/21/25 09:34	VY102125
106-93-4	1,2-Dibromoethane	5.00	U	1	0.88	5.00	ug/Kg	10/21/25 09:34	VY102125
127-18-4	Tetrachloroethene	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
108-90-7	Chlorobenzene	5.00	U	1	0.91	5.00	ug/Kg	10/21/25 09:34	VY102125
100-41-4	Ethyl Benzene	5.00	U	1	0.67	5.00	ug/Kg	10/21/25 09:34	VY102125
179601-23-1	m/p-Xylenes	10.0	U	1	1.20	10.0	ug/Kg	10/21/25 09:34	VY102125
95-47-6	o-Xylene	5.00	U	1	0.82	5.00	ug/Kg	10/21/25 09:34	VY102125
100-42-5	Styrene	5.00	U	1	0.71	5.00	ug/Kg	10/21/25 09:34	VY102125
75-25-2	Bromoform	5.00	U	1	0.86	5.00	ug/Kg	10/21/25 09:34	VY102125

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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:	VY1021SBL01	SDG No.:	Q3376
Lab Sample ID:	VY1021SBL01	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	10/21/25 09:34	VY102125
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	1.20	5.00	ug/Kg	10/21/25 09:34	VY102125
541-73-1	1,3-Dichlorobenzene	5.00	U	1	1.70	5.00	ug/Kg	10/21/25 09:34	VY102125
106-46-7	1,4-Dichlorobenzene	5.00	U	1	1.60	5.00	ug/Kg	10/21/25 09:34	VY102125
95-50-1	1,2-Dichlorobenzene	5.00	U	1	1.50	5.00	ug/Kg	10/21/25 09:34	VY102125
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	1.80	5.00	ug/Kg	10/21/25 09:34	VY102125
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	3.00	5.00	ug/Kg	10/21/25 09:34	VY102125
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	3.20	5.00	ug/Kg	10/21/25 09:34	VY102125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	46.0			63 - 155	92%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.7			70 - 134	99%	SPK: 50		
2037-26-5	Toluene-d8	48.1			74 - 123	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	36.4			17 - 146	73%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	768000							
540-36-3	1,4-Difluorobenzene	1270000							
3114-55-4	Chlorobenzene-d5	1000000							
3855-82-1	1,4-Dichlorobenzene-d4	379000							

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.:	Q3376
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

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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.:	Q3376
Lab Sample ID:	VW1020SBS01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VX1021WBS01	SDG No.:	Q3376
Lab Sample ID:	VX1021WBS01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	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	16.8		1	0.22	1.00	ug/L	10/21/25 10:06	VX102125
74-87-3	Chloromethane	17.8		1	0.32	1.00	ug/L	10/21/25 10:06	VX102125
75-01-4	Vinyl Chloride	17.6		1	0.26	1.00	ug/L	10/21/25 10:06	VX102125
74-83-9	Bromomethane	19.3		1	1.40	5.00	ug/L	10/21/25 10:06	VX102125
75-00-3	Chloroethane	18.9		1	0.47	1.00	ug/L	10/21/25 10:06	VX102125
75-69-4	Trichlorofluoromethane	17.7		1	0.33	1.00	ug/L	10/21/25 10:06	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	17.6		1	0.25	1.00	ug/L	10/21/25 10:06	VX102125
75-35-4	1,1-Dichloroethene	18.0		1	0.23	1.00	ug/L	10/21/25 10:06	VX102125
67-64-1	Acetone	82.3		1	1.50	5.00	ug/L	10/21/25 10:06	VX102125
75-15-0	Carbon Disulfide	16.6		1	0.21	1.00	ug/L	10/21/25 10:06	VX102125
1634-04-4	Methyl tert-butyl Ether	17.6		1	0.16	1.00	ug/L	10/21/25 10:06	VX102125
79-20-9	Methyl Acetate	17.5		1	0.27	1.00	ug/L	10/21/25 10:06	VX102125
75-09-2	Methylene Chloride	19.1		1	0.28	1.00	ug/L	10/21/25 10:06	VX102125
156-60-5	trans-1,2-Dichloroethene	17.9		1	0.23	1.00	ug/L	10/21/25 10:06	VX102125
75-34-3	1,1-Dichloroethane	18.4		1	0.23	1.00	ug/L	10/21/25 10:06	VX102125
110-82-7	Cyclohexane	19.2		1	1.50	5.00	ug/L	10/21/25 10:06	VX102125
78-93-3	2-Butanone	85.2		1	0.98	5.00	ug/L	10/21/25 10:06	VX102125
56-23-5	Carbon Tetrachloride	17.0		1	0.25	1.00	ug/L	10/21/25 10:06	VX102125
156-59-2	cis-1,2-Dichloroethene	18.9		1	0.19	1.00	ug/L	10/21/25 10:06	VX102125
74-97-5	Bromochloromethane	21.6		1	0.22	1.00	ug/L	10/21/25 10:06	VX102125
67-66-3	Chloroform	18.8		1	0.25	1.00	ug/L	10/21/25 10:06	VX102125
71-55-6	1,1,1-Trichloroethane	18.1		1	0.20	1.00	ug/L	10/21/25 10:06	VX102125
108-87-2	Methylcyclohexane	17.0		1	0.16	1.00	ug/L	10/21/25 10:06	VX102125
71-43-2	Benzene	18.5		1	0.15	1.00	ug/L	10/21/25 10:06	VX102125
107-06-2	1,2-Dichloroethane	19.1		1	0.22	1.00	ug/L	10/21/25 10:06	VX102125
79-01-6	Trichloroethene	18.1		1	0.090	1.00	ug/L	10/21/25 10:06	VX102125
78-87-5	1,2-Dichloropropane	19.3		1	0.20	1.00	ug/L	10/21/25 10:06	VX102125
75-27-4	Bromodichloromethane	18.6		1	0.22	1.00	ug/L	10/21/25 10:06	VX102125
108-10-1	4-Methyl-2-Pentanone	86.9		1	0.68	5.00	ug/L	10/21/25 10:06	VX102125
108-88-3	Toluene	18.8		1	0.14	1.00	ug/L	10/21/25 10:06	VX102125
10061-02-6	t-1,3-Dichloropropene	18.4		1	0.17	1.00	ug/L	10/21/25 10:06	VX102125
10061-01-5	cis-1,3-Dichloropropene	18.8		1	0.16	1.00	ug/L	10/21/25 10:06	VX102125
79-00-5	1,1,2-Trichloroethane	19.1		1	0.21	1.00	ug/L	10/21/25 10:06	VX102125
591-78-6	2-Hexanone	85.9		1	0.89	5.00	ug/L	10/21/25 10:06	VX102125
124-48-1	Dibromochloromethane	18.1		1	0.18	1.00	ug/L	10/21/25 10:06	VX102125
106-93-4	1,2-Dibromoethane	18.6		1	0.15	1.00	ug/L	10/21/25 10:06	VX102125
127-18-4	Tetrachloroethene	16.9		1	0.23	1.00	ug/L	10/21/25 10:06	VX102125
108-90-7	Chlorobenzene	18.0		1	0.12	1.00	ug/L	10/21/25 10:06	VX102125
100-41-4	Ethyl Benzene	17.8		1	0.13	1.00	ug/L	10/21/25 10:06	VX102125
179601-23-1	m/p-Xylenes	36.8		1	0.24	2.00	ug/L	10/21/25 10:06	VX102125
95-47-6	o-Xylene	18.1		1	0.12	1.00	ug/L	10/21/25 10:06	VX102125
100-42-5	Styrene	18.8		1	0.15	1.00	ug/L	10/21/25 10:06	VX102125
75-25-2	Bromoform	17.0		1	0.19	1.00	ug/L	10/21/25 10:06	VX102125

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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:	VX1021WBS01	SDG No.:	Q3376
Lab Sample ID:	VX1021WBS01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	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	17.1		1	0.12	1.00	ug/L	10/21/25 10:06	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	17.3		1	0.26	1.00	ug/L	10/21/25 10:06	VX102125
541-73-1	1,3-Dichlorobenzene	17.2		1	0.16	1.00	ug/L	10/21/25 10:06	VX102125
106-46-7	1,4-Dichlorobenzene	16.6		1	0.19	1.00	ug/L	10/21/25 10:06	VX102125
95-50-1	1,2-Dichlorobenzene	17.2		1	0.16	1.00	ug/L	10/21/25 10:06	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	14.2		1	0.53	1.00	ug/L	10/21/25 10:06	VX102125
120-82-1	1,2,4-Trichlorobenzene	15.2		1	0.20	1.00	ug/L	10/21/25 10:06	VX102125
87-61-6	1,2,3-Trichlorobenzene	15.5		1	0.20	1.00	ug/L	10/21/25 10:06	VX102125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	49.2			74 - 125	98%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.3			75 - 124	99%	SPK: 50		
2037-26-5	Toluene-d8	47.8			86 - 113	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.7			77 - 121	99%	SPK: 50		

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	141000
540-36-3	1,4-Difluorobenzene	230000
3114-55-4	Chlorobenzene-d5	212000
3855-82-1	1,4-Dichlorobenzene-d4	111000

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:	VY1021SBS01	SDG No.:	Q3376
Lab Sample ID:	VY1021SBS01	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	20.3		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
74-87-3	Chloromethane	19.5		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
75-01-4	Vinyl Chloride	20.2		1	0.79	5.00	ug/Kg	10/21/25 10:04	VY102125
74-83-9	Bromomethane	21.5		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
75-00-3	Chloroethane	21.2		1	1.30	5.00	ug/Kg	10/21/25 10:04	VY102125
75-69-4	Trichlorofluoromethane	20.4		1	1.20	5.00	ug/Kg	10/21/25 10:04	VY102125
76-13-1	1,1,2-Trichlorotrifluoroethane	21.1		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
75-35-4	1,1-Dichloroethene	20.2		1	1.00	5.00	ug/Kg	10/21/25 10:04	VY102125
67-64-1	Acetone	120		1	4.70	25.0	ug/Kg	10/21/25 10:04	VY102125
75-15-0	Carbon Disulfide	20.2		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
1634-04-4	Methyl tert-butyl Ether	18.0		1	0.73	5.00	ug/Kg	10/21/25 10:04	VY102125
79-20-9	Methyl Acetate	15.9		1	1.50	5.00	ug/Kg	10/21/25 10:04	VY102125
75-09-2	Methylene Chloride	19.0		1	3.50	10.0	ug/Kg	10/21/25 10:04	VY102125
156-60-5	trans-1,2-Dichloroethene	21.0		1	0.86	5.00	ug/Kg	10/21/25 10:04	VY102125
75-34-3	1,1-Dichloroethane	20.5		1	0.80	5.00	ug/Kg	10/21/25 10:04	VY102125
110-82-7	Cyclohexane	18.8		1	0.79	5.00	ug/Kg	10/21/25 10:04	VY102125
78-93-3	2-Butanone	100		1	6.50	25.0	ug/Kg	10/21/25 10:04	VY102125
56-23-5	Carbon Tetrachloride	21.7		1	0.97	5.00	ug/Kg	10/21/25 10:04	VY102125
156-59-2	cis-1,2-Dichloroethene	20.7		1	0.75	5.00	ug/Kg	10/21/25 10:04	VY102125
74-97-5	Bromochloromethane	19.7		1	1.20	5.00	ug/Kg	10/21/25 10:04	VY102125
67-66-3	Chloroform	21.5		1	0.84	5.00	ug/Kg	10/21/25 10:04	VY102125
71-55-6	1,1,1-Trichloroethane	21.1		1	0.93	5.00	ug/Kg	10/21/25 10:04	VY102125
108-87-2	Methylcyclohexane	19.8		1	0.91	5.00	ug/Kg	10/21/25 10:04	VY102125
71-43-2	Benzene	21.6		1	0.79	5.00	ug/Kg	10/21/25 10:04	VY102125
107-06-2	1,2-Dichloroethane	20.0		1	0.79	5.00	ug/Kg	10/21/25 10:04	VY102125
79-01-6	Trichloroethene	21.9		1	0.81	5.00	ug/Kg	10/21/25 10:04	VY102125
78-87-5	1,2-Dichloropropane	21.5		1	0.91	5.00	ug/Kg	10/21/25 10:04	VY102125
75-27-4	Bromodichloromethane	21.3		1	0.78	5.00	ug/Kg	10/21/25 10:04	VY102125
108-10-1	4-Methyl-2-Pentanone	86.7		1	3.60	25.0	ug/Kg	10/21/25 10:04	VY102125
108-88-3	Toluene	21.9		1	0.78	5.00	ug/Kg	10/21/25 10:04	VY102125
10061-02-6	t-1,3-Dichloropropene	19.9		1	0.65	5.00	ug/Kg	10/21/25 10:04	VY102125
10061-01-5	cis-1,3-Dichloropropene	20.8		1	0.62	5.00	ug/Kg	10/21/25 10:04	VY102125
79-00-5	1,1,2-Trichloroethane	21.0		1	0.92	5.00	ug/Kg	10/21/25 10:04	VY102125
591-78-6	2-Hexanone	95.9		1	3.70	25.0	ug/Kg	10/21/25 10:04	VY102125
124-48-1	Dibromochloromethane	20.8		1	0.87	5.00	ug/Kg	10/21/25 10:04	VY102125
106-93-4	1,2-Dibromoethane	20.1		1	0.88	5.00	ug/Kg	10/21/25 10:04	VY102125
127-18-4	Tetrachloroethene	22.0		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
108-90-7	Chlorobenzene	21.2		1	0.91	5.00	ug/Kg	10/21/25 10:04	VY102125
100-41-4	Ethyl Benzene	21.0		1	0.67	5.00	ug/Kg	10/21/25 10:04	VY102125
179601-23-1	m/p-Xylenes	43.1		1	1.20	10.0	ug/Kg	10/21/25 10:04	VY102125
95-47-6	o-Xylene	20.6		1	0.82	5.00	ug/Kg	10/21/25 10:04	VY102125
100-42-5	Styrene	21.0		1	0.71	5.00	ug/Kg	10/21/25 10:04	VY102125
75-25-2	Bromoform	19.5		1	0.86	5.00	ug/Kg	10/21/25 10:04	VY102125

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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:	VY1021SBS01	SDG No.:	Q3376
Lab Sample ID:	VY1021SBS01	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	20.3		1	0.78	5.00	ug/Kg	10/21/25 10:04	VY102125
79-34-5	1,1,2,2-Tetrachloroethane	18.2		1	1.20	5.00	ug/Kg	10/21/25 10:04	VY102125
541-73-1	1,3-Dichlorobenzene	20.7		1	1.70	5.00	ug/Kg	10/21/25 10:04	VY102125
106-46-7	1,4-Dichlorobenzene	20.5		1	1.60	5.00	ug/Kg	10/21/25 10:04	VY102125
95-50-1	1,2-Dichlorobenzene	20.5		1	1.50	5.00	ug/Kg	10/21/25 10:04	VY102125
96-12-8	1,2-Dibromo-3-Chloropropane	17.0		1	1.80	5.00	ug/Kg	10/21/25 10:04	VY102125
120-82-1	1,2,4-Trichlorobenzene	18.0		1	3.00	5.00	ug/Kg	10/21/25 10:04	VY102125
87-61-6	1,2,3-Trichlorobenzene	18.1		1	3.20	5.00	ug/Kg	10/21/25 10:04	VY102125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	46.9			63 - 155	94%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.9			70 - 134	102%	SPK: 50		
2037-26-5	Toluene-d8	51.3			74 - 123	103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.9			17 - 146	100%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	494000							
540-36-3	1,4-Difluorobenzene	713000							
3114-55-4	Chlorobenzene-d5	636000							
3855-82-1	1,4-Dichlorobenzene-d4	341000							

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

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

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VW1020SBSD01	SDG No.:	Q3376
Lab Sample ID:	VW1020SBSD01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

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

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:	VW1020SBSD01	SDG No.:	Q3376
Lab Sample ID:	VW1020SBSD01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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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:	VX1021WBSD01	SDG No.:	Q3376
Lab Sample ID:	VX1021WBSD01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	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	18.0		1	0.22	1.00	ug/L	10/21/25 10:33	VX102125
74-87-3	Chloromethane	17.3		1	0.32	1.00	ug/L	10/21/25 10:33	VX102125
75-01-4	Vinyl Chloride	16.9		1	0.26	1.00	ug/L	10/21/25 10:33	VX102125
74-83-9	Bromomethane	19.0		1	1.40	5.00	ug/L	10/21/25 10:33	VX102125
75-00-3	Chloroethane	19.0		1	0.47	1.00	ug/L	10/21/25 10:33	VX102125
75-69-4	Trichlorofluoromethane	17.9		1	0.33	1.00	ug/L	10/21/25 10:33	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	17.7		1	0.25	1.00	ug/L	10/21/25 10:33	VX102125
75-35-4	1,1-Dichloroethene	17.9		1	0.23	1.00	ug/L	10/21/25 10:33	VX102125
67-64-1	Acetone	81.6		1	1.50	5.00	ug/L	10/21/25 10:33	VX102125
75-15-0	Carbon Disulfide	16.9		1	0.21	1.00	ug/L	10/21/25 10:33	VX102125
1634-04-4	Methyl tert-butyl Ether	18.0		1	0.16	1.00	ug/L	10/21/25 10:33	VX102125
79-20-9	Methyl Acetate	16.9		1	0.27	1.00	ug/L	10/21/25 10:33	VX102125
75-09-2	Methylene Chloride	18.5		1	0.28	1.00	ug/L	10/21/25 10:33	VX102125
156-60-5	trans-1,2-Dichloroethene	18.8		1	0.23	1.00	ug/L	10/21/25 10:33	VX102125
75-34-3	1,1-Dichloroethane	18.8		1	0.23	1.00	ug/L	10/21/25 10:33	VX102125
110-82-7	Cyclohexane	18.4		1	1.50	5.00	ug/L	10/21/25 10:33	VX102125
78-93-3	2-Butanone	85.7		1	0.98	5.00	ug/L	10/21/25 10:33	VX102125
56-23-5	Carbon Tetrachloride	17.2		1	0.25	1.00	ug/L	10/21/25 10:33	VX102125
156-59-2	cis-1,2-Dichloroethene	19.1		1	0.19	1.00	ug/L	10/21/25 10:33	VX102125
74-97-5	Bromochloromethane	21.3		1	0.22	1.00	ug/L	10/21/25 10:33	VX102125
67-66-3	Chloroform	19.0		1	0.25	1.00	ug/L	10/21/25 10:33	VX102125
71-55-6	1,1,1-Trichloroethane	18.3		1	0.20	1.00	ug/L	10/21/25 10:33	VX102125
108-87-2	Methylcyclohexane	18.2		1	0.16	1.00	ug/L	10/21/25 10:33	VX102125
71-43-2	Benzene	18.8		1	0.15	1.00	ug/L	10/21/25 10:33	VX102125
107-06-2	1,2-Dichloroethane	18.5		1	0.22	1.00	ug/L	10/21/25 10:33	VX102125
79-01-6	Trichloroethene	18.3		1	0.090	1.00	ug/L	10/21/25 10:33	VX102125
78-87-5	1,2-Dichloropropane	19.8		1	0.20	1.00	ug/L	10/21/25 10:33	VX102125
75-27-4	Bromodichloromethane	18.8		1	0.22	1.00	ug/L	10/21/25 10:33	VX102125
108-10-1	4-Methyl-2-Pentanone	89.0		1	0.68	5.00	ug/L	10/21/25 10:33	VX102125
108-88-3	Toluene	18.9		1	0.14	1.00	ug/L	10/21/25 10:33	VX102125
10061-02-6	t-1,3-Dichloropropene	18.5		1	0.17	1.00	ug/L	10/21/25 10:33	VX102125
10061-01-5	cis-1,3-Dichloropropene	18.5		1	0.16	1.00	ug/L	10/21/25 10:33	VX102125
79-00-5	1,1,2-Trichloroethane	19.3		1	0.21	1.00	ug/L	10/21/25 10:33	VX102125
591-78-6	2-Hexanone	87.8		1	0.89	5.00	ug/L	10/21/25 10:33	VX102125
124-48-1	Dibromochloromethane	18.3		1	0.18	1.00	ug/L	10/21/25 10:33	VX102125
106-93-4	1,2-Dibromoethane	18.6		1	0.15	1.00	ug/L	10/21/25 10:33	VX102125
127-18-4	Tetrachloroethene	17.5		1	0.23	1.00	ug/L	10/21/25 10:33	VX102125
108-90-7	Chlorobenzene	18.9		1	0.12	1.00	ug/L	10/21/25 10:33	VX102125
100-41-4	Ethyl Benzene	18.3		1	0.13	1.00	ug/L	10/21/25 10:33	VX102125
179601-23-1	m/p-Xylenes	37.5		1	0.24	2.00	ug/L	10/21/25 10:33	VX102125
95-47-6	o-Xylene	18.5		1	0.12	1.00	ug/L	10/21/25 10:33	VX102125
100-42-5	Styrene	19.2		1	0.15	1.00	ug/L	10/21/25 10:33	VX102125
75-25-2	Bromoform	17.7		1	0.19	1.00	ug/L	10/21/25 10:33	VX102125

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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:	VX1021WBSD01	SDG No.:	Q3376
Lab Sample ID:	VX1021WBSD01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	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	18.5		1	0.12	1.00	ug/L	10/21/25 10:33	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	18.4		1	0.26	1.00	ug/L	10/21/25 10:33	VX102125
541-73-1	1,3-Dichlorobenzene	18.2		1	0.16	1.00	ug/L	10/21/25 10:33	VX102125
106-46-7	1,4-Dichlorobenzene	18.2		1	0.19	1.00	ug/L	10/21/25 10:33	VX102125
95-50-1	1,2-Dichlorobenzene	18.6		1	0.16	1.00	ug/L	10/21/25 10:33	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	16.9		1	0.53	1.00	ug/L	10/21/25 10:33	VX102125
120-82-1	1,2,4-Trichlorobenzene	16.8		1	0.20	1.00	ug/L	10/21/25 10:33	VX102125
87-61-6	1,2,3-Trichlorobenzene	17.3		1	0.20	1.00	ug/L	10/21/25 10:33	VX102125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	46.5			74 - 125	93%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.0			75 - 124	96%	SPK: 50		
2037-26-5	Toluene-d8	47.9			86 - 113	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.3			77 - 121	95%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	138000							
540-36-3	1,4-Difluorobenzene	224000							
3114-55-4	Chlorobenzene-d5	203000							
3855-82-1	1,4-Dichlorobenzene-d4	101000							

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.: Q3376

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.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG No.: Q3376

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

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

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

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

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

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3376

Instrument ID: MSVOA_X Calibration Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:59 13:49

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX048229.D RRF020 = VX048231.D RRF050 = VX048232.D
RRF100 = VX048233.D RRF150 = VX048234.D RRF005 = VX048236.D

COMPOUND	RRF001	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.522	0.513	0.483	0.540	0.504	0.522	0.514	3.7
Chloromethane	0.506	0.468	0.449	0.476	0.471	0.508	0.480	4.8
Vinyl Chloride	0.447	0.437	0.416	0.462	0.445	0.458	0.444	3.7
Bromomethane		0.323	0.282	0.280	0.276	0.346	0.302	10.4
Chloroethane	0.233	0.277	0.247	0.282	0.267	0.261	0.261	7.2
Trichlorofluoromethane	0.776	0.874	0.807	0.907	0.869	0.880	0.852	5.8
1,1,2-Trichlorotrifluoroethane	0.512	0.540	0.501	0.583	0.549	0.553	0.540	5.5
1,1-Dichloroethene	0.515	0.548	0.485	0.558	0.531	0.514	0.525	5
Acetone	0.300	0.250	0.202	0.221	0.206	0.262	0.240	15.7
Carbon Disulfide	2.034	1.612	1.442	1.617	1.532	1.689	1.654	12.4
Methyl tert-butyl Ether	1.894	1.909	1.704	1.817	1.764	1.657	1.791	5.7
Methyl Acetate	0.514	0.551	0.466	0.514	0.504	0.464	0.502	6.6
Methylene Chloride	0.555	0.651	0.552	0.597	0.567	0.595	0.586	6.4
trans-1,2-Dichloroethene	0.587	0.585	0.535	0.592	0.558	0.603	0.577	4.4
1,1-Dichloroethane	1.116	1.085	0.977	1.055	1.019	1.054	1.051	4.6
Cyclohexane		0.894	0.821	0.926	0.866	0.843	0.870	4.8
2-Butanone	0.311	0.329	0.281	0.301	0.290	0.315	0.304	5.7
Carbon Tetrachloride	0.650	0.594	0.553	0.604	0.567	0.622	0.599	5.9
cis-1,2-Dichloroethene	0.682	0.700	0.626	0.695	0.661	0.673	0.673	4
Bromochloromethane	0.388	0.404	0.441	0.462	0.452	0.469	0.436	7.5
Chloroform	1.147	1.208	1.046	1.127	1.067	1.143	1.123	5.2
1,1,1-Trichloroethane	1.049	1.085	0.973	1.055	1.007	1.041	1.035	3.8
Methylcyclohexane	0.551	0.548	0.540	0.626	0.582	0.590	0.573	5.7
Benzene	1.493	1.480	1.301	1.426	1.347	1.405	1.409	5.3
1,2-Dichloroethane	0.529	0.566	0.500	0.528	0.496	0.499	0.520	5.2
Trichloroethene	0.400	0.373	0.348	0.380	0.363	0.366	0.372	4.7
1,2-Dichloropropane	0.309	0.362	0.321	0.347	0.333	0.337	0.335	5.5
Bromodichloromethane	0.570	0.592	0.538	0.573	0.538	0.567	0.563	3.8
4-Methyl-2-Pentanone	0.366	0.422	0.377	0.384	0.362	0.374	0.381	5.7
Toluene	0.881	0.944	0.862	0.910	0.849	0.925	0.895	4.2

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG No.: Q3376

Instrument ID: MSVOA_X | Calibration Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N | Calibration Time(s): 10:59 13:49

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX048229.D RRF020 = VX048231.D RRF050 = VX048232.D
RRF100 = VX048233.D RRF150 = VX048234.D RRF005 = VX048236.D

COMPOUND	RRF001	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.477	0.582	0.545	0.574	0.553	0.526	0.543	7
cis-1,3-Dichloropropene	0.582	0.604	0.572	0.615	0.585	0.556	0.586	3.7
1,1,2-Trichloroethane	0.318	0.357	0.321	0.333	0.313	0.355	0.333	5.8
2-Hexanone	0.231	0.298	0.267	0.271	0.256	0.271	0.266	8.3
Dibromochloromethane	0.482	0.476	0.425	0.442	0.418	0.441	0.447	5.9
1,2-Dibromoethane	0.346	0.393	0.342	0.359	0.336	0.353	0.355	5.7
Tetrachloroethene	0.418	0.378	0.328	0.370	0.361	0.385	0.373	7.9
Chlorobenzene	1.149	1.159	1.045	1.148	1.102	1.145	1.125	3.9
Ethyl Benzene	1.905	1.954	1.825	2.008	1.922	1.876	1.915	3.3
m/p-Xylenes	0.647	0.750	0.687	0.750	0.707	0.727	0.712	5.6
o-Xylene	0.652	0.712	0.664	0.723	0.686	0.684	0.687	3.9
Styrene	1.054	1.236	1.143	1.247	1.173	1.165	1.170	6
Bromoform	0.338	0.350	0.308	0.335	0.326	0.325	0.330	4.3
Isopropylbenzene	3.618	3.656	3.430	3.875	3.754	3.579	3.652	4.2
1,1,2,2-Tetrachloroethane	0.988	1.065	0.946	1.018	0.992	0.974	0.997	4.1
1,3-Dichlorobenzene	1.863	1.742	1.550	1.747	1.707	1.750	1.726	5.9
1,4-Dichlorobenzene	2.143	1.803	1.577	1.724	1.710	1.772	1.788	10.6
1,2-Dichlorobenzene	1.803	1.631	1.494	1.619	1.588	1.590	1.621	6.3
1,2-Dibromo-3-Chloropropane	0.167	0.219	0.195	0.224	0.223	0.187	0.202	11.5
1,2,4-Trichlorobenzene	1.441	0.975	0.959	1.114	1.094	0.994	1.096	16.5
1,2,3-Trichlorobenzene	1.154	0.942	0.909	1.050	1.033	0.947	1.006	9
1,2-Dichloroethane-d4		0.709	0.682	0.690	0.698	0.725	0.701	2.4
Dibromofluoromethane		0.345	0.330	0.346	0.348	0.338	0.341	2.2
Toluene-d8		1.185	1.185	1.196	1.195	1.221	1.196	1.2
4-Bromofluorobenzene		0.445	0.444	0.446	0.441	0.500	0.455	5.5

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG No.: Q3376

Instrument ID: MSVOA_Y | Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y | Calibration Time(s): 09:17 12:32

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

LAB FILE ID: RRF005 = VY023384.D RRF010 = VY023385.D RRF020 = VY023386.D
RRF050 = VY023387.D RRF100 = VY023388.D RRF150 = VY023389.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.397	0.399	0.400	0.321	0.310	0.333	0.360	12
Chloromethane	0.518	0.557	0.512	0.449	0.438	0.467	0.490	9.4
Vinyl Chloride	0.660	0.684	0.659	0.598	0.597	0.633	0.639	5.6
Bromomethane	0.601	0.596	0.548	0.469	0.483	0.518	0.536	10.4
Chloroethane	0.441	0.462	0.453	0.414	0.413	0.429	0.435	4.7
Trichlorofluoromethane	0.884	0.920	0.946	0.842	0.850	0.877	0.887	4.5
1,1,2-Trichlorotrifluoroethane	0.484	0.486	0.479	0.437	0.429	0.445	0.460	5.6
1,1-Dichloroethene	0.449	0.475	0.456	0.427	0.426	0.443	0.446	4.1
Acetone	0.128	0.117	0.094	0.084	0.085	0.089	0.100	18.7
Carbon Disulfide	1.291	1.367	1.320	1.225	1.210	1.246	1.277	4.7
Methyl tert-butyl Ether	1.006	1.075	1.075	1.020	1.091	1.165	1.072	5.3
Methyl Acetate	0.244	0.265	0.260	0.245	0.266	0.286	0.261	6
Methylene Chloride	0.625	0.634	0.576	0.458	0.463	0.473	0.538	15.4
trans-1,2-Dichloroethene	0.494	0.504	0.507	0.470	0.478	0.494	0.491	2.9
1,1-Dichloroethane	0.800	0.835	0.827	0.759	0.765	0.792	0.796	3.9
Cyclohexane	0.797	0.717	0.697	0.643	0.644	0.676	0.696	8.3
2-Butanone	0.133	0.134	0.115	0.105	0.115	0.126	0.122	9.6
Carbon Tetrachloride	0.483	0.501	0.504	0.481	0.487	0.503	0.493	2.1
cis-1,2-Dichloroethene	0.542	0.584	0.582	0.542	0.563	0.591	0.567	3.8
Bromochloromethane	0.332	0.323	0.320	0.267	0.270	0.273	0.297	10.2
Chloroform	0.886	0.912	0.901	0.835	0.842	0.874	0.875	3.5
1,1,1-Trichloroethane	0.808	0.814	0.822	0.767	0.764	0.796	0.795	3.1
Methylcyclohexane	0.491	0.486	0.537	0.527	0.554	0.583	0.530	7
Benzene	1.253	1.302	1.322	1.259	1.281	1.312	1.288	2.2
1,2-Dichloroethane	0.328	0.346	0.343	0.315	0.324	0.338	0.332	3.6
Trichloroethene	0.380	0.381	0.386	0.367	0.372	0.376	0.377	1.8
1,2-Dichloropropane	0.276	0.289	0.292	0.274	0.283	0.293	0.285	2.9
Bromodichloromethane	0.440	0.463	0.459	0.439	0.449	0.468	0.453	2.7
4-Methyl-2-Pentanone	0.141	0.159	0.161	0.159	0.180	0.196	0.166	11.6
Toluene	0.777	0.818	0.855	0.827	0.855	0.885	0.836	4.5

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG No.: Q3376

Instrument ID: MSVOA_Y | Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y | Calibration Time(s): 09:17 12:32

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

LAB FILE ID: RRF005 = VY023384.D RRF010 = VY023385.D RRF020 = VY023386.D
RRF050 = VY023387.D RRF100 = VY023388.D RRF150 = VY023389.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.357	0.380	0.390	0.385	0.415	0.438	0.394	7.2
cis-1,3-Dichloropropene	0.424	0.460	0.465	0.455	0.481	0.505	0.465	5.9
1,1,2-Trichloroethane	0.234	0.247	0.241	0.231	0.244	0.254	0.242	3.5
2-Hexanone	0.108	0.117	0.110	0.112	0.126	0.138	0.119	9.9
Dibromochloromethane	0.319	0.337	0.340	0.327	0.347	0.365	0.339	4.7
1,2-Dibromoethane	0.215	0.229	0.231	0.223	0.237	0.249	0.231	5.2
Tetrachloroethene	0.538	0.517	0.561	0.523	0.502	0.456	0.516	6.9
Chlorobenzene	1.086	1.095	1.092	1.053	1.083	1.116	1.087	1.9
Ethyl Benzene	1.606	1.711	1.753	1.777	1.824	1.891	1.760	5.5
m/p-Xylenes	0.632	0.675	0.715	0.719	0.734	0.763	0.706	6.5
o-Xylene	0.588	0.623	0.653	0.670	0.701	0.738	0.662	8.1
Styrene	0.902	1.026	1.098	1.109	1.166	1.233	1.089	10.5
Bromoform	0.225	0.242	0.238	0.230	0.244	0.262	0.240	5.4
Isopropylbenzene	2.967	3.153	3.353	3.317	3.425	3.555	3.295	6.3
1,1,2,2-Tetrachloroethane	0.530	0.548	0.502	0.499	0.543	0.611	0.539	7.6
1,3-Dichlorobenzene	1.667	1.698	1.718	1.657	1.701	1.794	1.706	2.9
1,4-Dichlorobenzene	1.703	1.703	1.694	1.624	1.653	1.732	1.685	2.3
1,2-Dichlorobenzene	1.485	1.498	1.511	1.446	1.490	1.543	1.496	2.1
1,2-Dibromo-3-Chloropropane	0.087	0.093	0.083	0.083	0.088	0.096	0.088	6.2
1,2,4-Trichlorobenzene	0.846	0.867	0.901	0.918	1.007	1.054	0.932	8.7
1,2,3-Trichlorobenzene	0.719	0.753	0.795	0.793	0.866	0.920	0.808	9.1
1,2-Dichloroethane-d4	0.455	0.436	0.429	0.392	0.392	0.405	0.418	6.2
Dibromofluoromethane	0.311	0.314	0.317	0.298	0.299	0.303	0.307	2.6
Toluene-d8	1.132	1.170	1.177	1.129	1.122	1.135	1.144	2
4-Bromofluorobenzene	0.401	0.370	0.373	0.365	0.372	0.386	0.378	3.5

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
Instrument ID: MSVOA_W
Calibration Date/Time: 10/20/2025 10:20
Lab File ID: VW032378.D
Init. Calib. Date(s): 10/01/2025 10/01/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 13:12 15:20
GC Column: RXI-624 ID: 0.25 (mm)

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

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3376

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

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

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

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

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

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG No.: Q3376

Instrument ID: MSVOA_X | Calibration Date/Time: 10/21/2025 08:43

Lab File ID: VX048252.D | Init. Calib. Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 10:59 13:49

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.514	0.496		-3.5	20
Chloromethane	0.480	0.468	0.1	-2.5	20
Vinyl Chloride	0.444	0.448		0.9	20
Bromomethane	0.302	0.299		-0.99	20
Chloroethane	0.261	0.261		0	20
Trichlorofluoromethane	0.852	0.813		-4.58	20
1,1,2-Trichlorotrifluoroethane	0.540	0.513		-5	20
1,1-Dichloroethene	0.525	0.498		-5.14	20
Acetone	0.240	0.230		-4.17	20
Carbon Disulfide	1.654	1.439		-13	20
Methyl tert-butyl Ether	1.791	1.576		-12	20
Methyl Acetate	0.502	0.411		-18.13	20
Methylene Chloride	0.586	0.556		-5.12	20
trans-1,2-Dichloroethene	0.577	0.538		-6.76	20
1,1-Dichloroethane	1.051	0.952	0.1	-9.42	20
Cyclohexane	0.870	0.788		-9.43	20
2-Butanone	0.304	0.260		-14.47	20
Carbon Tetrachloride	0.599	0.533		-11.02	20
cis-1,2-Dichloroethene	0.673	0.610		-9.36	20
Bromochloromethane	0.436	0.435		-0.23	20
Chloroform	1.123	1.006		-10.42	20
1,1,1-Trichloroethane	1.035	0.920		-11.11	20
Methylcyclohexane	0.573	0.510		-10.99	20
Benzene	1.409	1.280		-9.15	20
1,2-Dichloroethane	0.520	0.466		-10.39	20
Trichloroethene	0.372	0.337		-9.41	20
1,2-Dichloropropane	0.335	0.305		-8.95	20
Bromodichloromethane	0.563	0.510		-9.41	20
4-Methyl-2-Pentanone	0.381	0.302		-20.74	20
Toluene	0.895	0.795		-11.17	20
t-1,3-Dichloropropene	0.543	0.493		-9.21	20
cis-1,3-Dichloropropene	0.586	0.529		-9.73	20
1,1,2-Trichloroethane	0.333	0.291		-12.61	20
2-Hexanone	0.266	0.227		-14.66	20
Dibromochloromethane	0.447	0.388		-13.2	20
1,2-Dibromoethane	0.355	0.307		-13.52	20
Tetrachloroethene	0.373	0.325		-12.87	20
Chlorobenzene	1.125	1.025	0.3	-8.89	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3376

Instrument ID: MSVOA_X Calibration Date/Time: 10/21/2025 08:43

Lab File ID: VX048252.D Init. Calib. Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 13:49

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.915	1.738		-9.24	20
m/p-Xylenes	0.712	0.666		-6.46	20
o-Xylene	0.687	0.625		-9.02	20
Styrene	1.170	1.107		-5.39	20
Bromoform	0.330	0.283	0.1	-14.24	20
Isopropylbenzene	3.652	3.379		-7.47	20
1,1,2,2-Tetrachloroethane	0.997	0.857	0.3	-14.04	20
1,3-Dichlorobenzene	1.726	1.555		-9.91	20
1,4-Dichlorobenzene	1.788	1.551		-13.26	20
1,2-Dichlorobenzene	1.621	1.416		-12.65	20
1,2-Dibromo-3-Chloropropane	0.202	0.163		-19.31	20
1,2,4-Trichlorobenzene	1.096	0.885		-19.25	20
1,2,3-Trichlorobenzene	1.006	0.834		-17.1	20
1,2-Dichloroethane-d4	0.701	0.658		-6.13	20
Dibromofluoromethane	0.341	0.340		-0.29	20
Toluene-d8	1.196	1.150		-3.85	20
4-Bromofluorobenzene	0.455	0.419		-7.91	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3376

Instrument ID: MSVOA_Y Calibration Date/Time: 10/21/2025 09:05

Lab File ID: VY023521.D Init. Calib. Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:17 12:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.360	0.323		-10.28	20
Chloromethane	0.490	0.450	0.1	-8.16	20
Vinyl Chloride	0.639	0.605		-5.32	20
Bromomethane	0.536	0.513		-4.29	20
Chloroethane	0.435	0.447		2.76	20
Trichlorofluoromethane	0.887	0.883		-0.45	20
1,1,2-Trichlorotrifluoroethane	0.460	0.490		6.52	20
1,1-Dichloroethene	0.446	0.455		2.02	20
Acetone	0.100	0.113		13	20
Carbon Disulfide	1.277	1.260		-1.33	20
Methyl tert-butyl Ether	1.072	1.116		4.1	20
Methyl Acetate	0.261	0.303		16.09	20
Methylene Chloride	0.538	0.509		-5.39	20
trans-1,2-Dichloroethene	0.491	0.520		5.91	20
1,1-Dichloroethane	0.796	0.840	0.1	5.53	20
Cyclohexane	0.696	0.643		-7.61	20
2-Butanone	0.122	0.124		1.64	20
Carbon Tetrachloride	0.493	0.562		14	20
cis-1,2-Dichloroethene	0.567	0.614		8.29	20
Bromochloromethane	0.297	0.269		-9.43	20
Chloroform	0.875	0.960		9.71	20
1,1,1-Trichloroethane	0.795	0.859		8.05	20
Methylcyclohexane	0.530	0.568		7.17	20
Benzene	1.288	1.448		12.42	20
1,2-Dichloroethane	0.332	0.360		8.43	20
Trichloroethene	0.377	0.421		11.67	20
1,2-Dichloropropane	0.285	0.320		12.28	20
Bromodichloromethane	0.453	0.522		15.23	20
4-Methyl-2-Pentanone	0.166	0.186		12.05	20
Toluene	0.836	0.967		15.67	20
t-1,3-Dichloropropene	0.394	0.441		11.93	20
cis-1,3-Dichloropropene	0.465	0.524		12.69	20
1,1,2-Trichloroethane	0.242	0.285		17.77	20
2-Hexanone	0.119	0.135		13.44	20
Dibromochloromethane	0.339	0.403		18.88	20
1,2-Dibromoethane	0.231	0.269		16.45	20
Tetrachloroethene	0.516	0.575		11.43	20
Chlorobenzene	1.087	1.181	0.3	8.65	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG No.: Q3376

Instrument ID: MSVOA_Y | Calibration Date/Time: 10/21/2025 09:05

Lab File ID: VY023521.D | Init. Calib. Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y | Init. Calib. Time(s): 09:17 12:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.760	1.961		11.42	20
m/p-Xylenes	0.706	0.799		13.17	20
o-Xylene	0.662	0.739		11.63	20
Styrene	1.089	1.261		15.79	20
Bromoform	0.240	0.269	0.1	12.08	20
Isopropylbenzene	3.295	3.640		10.47	20
1,1,2,2-Tetrachloroethane	0.539	0.571	0.3	5.94	20
1,3-Dichlorobenzene	1.706	1.887		10.61	20
1,4-Dichlorobenzene	1.685	1.813		7.6	20
1,2-Dichlorobenzene	1.496	1.634		9.23	20
1,2-Dibromo-3-Chloropropane	0.088	0.088		0	20
1,2,4-Trichlorobenzene	0.932	0.982		5.36	20
1,2,3-Trichlorobenzene	0.808	0.843		4.33	20
1,2-Dichloroethane-d4	0.418	0.408		-2.39	20
Dibromofluoromethane	0.307	0.331		7.82	20
Toluene-d8	1.144	1.218		6.47	20
4-Bromofluorobenzene	0.378	0.405		7.14	20

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

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LAB CHRONICLE

OrderID:	Q3376	**OrderDate:**	10/17/2025 10:34:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60399795.171208
Contact:	Rob Forstner	**Location:**	Soil,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3376-01	**PR132-S05-057082-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			SVOC-TCL BNA -20	8270E		10/21/25	10/21/25	
Q3376-02	**PR132-DP01-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			SVOC-TCL BNA -20	8270E		10/21/25	10/21/25	
Q3376-03	**PR132-COMP2-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			SVOC-TCL BNA -20	8270E		10/21/25	10/22/25	
Q3376-04	**PR132-S12-047072-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			SVOC-TCL BNA -20	8270E		10/21/25	10/22/25	
Q3376-05	**PR132-S12-020047-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			SVOC-TCL BNA -20	8270E		10/21/25	10/28/25	

Alliance TECHNICAL GROUP
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Hit Summary Sheet
SW-846

SDG No.: Q3376

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**PR132-S05-057082-20251016**								
Q3376-01	PR132-S05-057082-2025	SOIL	Phenanthrene		130.000	J	39.1	320	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Fluoranthene		230.000	J	56.1	320	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Pyrene		180.000	J	67.3	320	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Benzo(a)anthracene		150.000	J	43	320	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Chrysene		140.000	J	37.2	320	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Benzo(b)fluoranthene		160.000	J	35.5	320	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Benzo(a)pyrene		170.000	J	55.1	320	ug/Kg
			Total Svoc :		**1,160.00**				
Q3376-01	PR132-S05-057082-2025	SOIL	3-Methyl-4-(methoxycarbonyl)he:	*	1,000.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Benzophenone	*	420.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	n-Hexadecanoic acid	*	280.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Octane, 2,3,7-trimethyl-	*	920.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Tridecane	*	840.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Tridecane, 5-propyl-	*	1,600.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Undecane, 2,6-dimethyl-	*	380.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Cyclohexane, pentyl-	*	250.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Dodecane, 2,6,10-trimethyl-	*	670.000	J	0	0	ug/Kg
			Total Tics :		**6,360.00**				
			Total Concentration:		**7,520.00**				
Client ID :	**PR132-DP01-20251016**								
Q3376-02	PR132-DP01-20251016	SOIL	Fluoranthene		210.000	J	55.9	320	ug/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Pyrene		160.000	J	67.1	320	ug/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Benzo(b)fluoranthene		130.000	J	35.4	320	ug/Kg
			Total Svoc :		**500.00**				
Q3376-02	PR132-DP01-20251016	SOIL	Benzophenone	*	430.000	J	0	0	ug/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Cyclohexane, pentyl-	*	230.000	J	0	0	ug/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Dodecane, 2,6,11-trimethyl-	*	530.000	J	0	0	ug/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Tridecane	*	680.000	J	0	0	ug/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Tridecane, 5-propyl-	*	1,300.000	J	0	0	ug/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Tridecanoic acid	*	310.000	J	0	0	ug/Kg
			Total Tics :		**3,480.00**				
			Total Concentration:		**3,980.00**				
Client ID :	**PR132-COMP2-20251016**								
Q3376-03	PR132-COMP2-2025101	SOIL	Benzophenone	*	190.000	J	0	0	ug/Kg
Q3376-03	PR132-COMP2-2025101	SOIL	Dodecane, 2,6,10-trimethyl-	*	130.000	J	0	0	ug/Kg
Q3376-03	PR132-COMP2-2025101	SOIL	Silane, trichlorooctadecyl-	*	200.000	J	0	0	ug/Kg
			Total Tics :		**520.00**				

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Hit Summary Sheet
SW-846

SDG No.: Q3376

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Concentration:		**520.00**				
Client ID :	**PR132-S12-047072-20251016**								
Q3376-04	PR132-S12-047072-2025	SOIL	Benzophenone	*	290.000	J	0	0	ug/Kg
Q3376-04	PR132-S12-047072-2025	SOIL	n-Hexadecanoic acid	*	140.000	J	0	0	ug/Kg
			Total Tics :		**430.00**				
			Total Concentration:		**430.00**				
Client ID :	**PR132-S12-020047-20251016**								
Q3376-05	PR132-S12-020047-2025	SOIL	Bis(2-ethylhexyl)phthalate		190.000	J	88.6	250	ug/Kg
			Total Svoc :		**190.00**				
Q3376-05	PR132-S12-020047-2025	SOIL	1-Octadecene	*	150.000	J	0	0	ug/Kg
Q3376-05	PR132-S12-020047-2025	SOIL	Benzophenone	*	370.000	J	0	0	ug/Kg
Q3376-05	PR132-S12-020047-2025	SOIL	Cetene	*	130.000	J	0	0	ug/Kg
Q3376-05	PR132-S12-020047-2025	SOIL	Cyclotetracosane	*	330.000	J	0	0	ug/Kg
Q3376-05	PR132-S12-020047-2025	SOIL	n-Hexadecanoic acid	*	560.000	J	0	0	ug/Kg
			Total Tics :		**1,540.00**				
			Total Concentration:		**1,730.00**				

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:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-057082-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	53.5
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

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	10/21/25 22:53	PB170180
108-95-2	Phenol	320	U	1	41.3	320	ug/Kg	10/21/25 22:53	PB170180
111-44-4	bis(2-Chloroethyl)ether	320	U	1	45.4	320	ug/Kg	10/21/25 22:53	PB170180
95-57-8	2-Chlorophenol	320	U	1	45.6	320	ug/Kg	10/21/25 22:53	PB170180
95-48-7	2-Methylphenol	320	U	1	55.9	320	ug/Kg	10/21/25 22:53	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	320	U	1	70.1	320	ug/Kg	10/21/25 22:53	PB170180
98-86-2	Acetophenone	320	U	1	55.1	320	ug/Kg	10/21/25 22:53	PB170180
65794-96-9	3+4-Methylphenols	620	U	1	76.8	620	ug/Kg	10/21/25 22:53	PB170180
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	88.6	150	ug/Kg	10/21/25 22:53	PB170180
67-72-1	Hexachloroethane	320	U	1	32.9	320	ug/Kg	10/21/25 22:53	PB170180
98-95-3	Nitrobenzene	320	U	1	34.2	320	ug/Kg	10/21/25 22:53	PB170180
78-59-1	Isophorone	320	U	1	61.3	320	ug/Kg	10/21/25 22:53	PB170180
88-75-5	2-Nitrophenol	320	U	1	110	320	ug/Kg	10/21/25 22:53	PB170180
105-67-9	2,4-Dimethylphenol	320	U	1	120	320	ug/Kg	10/21/25 22:53	PB170180
111-91-1	bis(2-Chloroethoxy)methane	320	U	1	57.6	320	ug/Kg	10/21/25 22:53	PB170180
120-83-2	2,4-Dichlorophenol	320	U	1	52.9	320	ug/Kg	10/21/25 22:53	PB170180
91-20-3	Naphthalene	320	U	1	42.4	320	ug/Kg	10/21/25 22:53	PB170180
106-47-8	4-Chloroaniline	320	U	1	66.1	320	ug/Kg	10/21/25 22:53	PB170180
87-68-3	Hexachlorobutadiene	320	U	1	47.3	320	ug/Kg	10/21/25 22:53	PB170180
105-60-2	Caprolactam	620	U	1	97.4	620	ug/Kg	10/21/25 22:53	PB170180
59-50-7	4-Chloro-3-methylphenol	320	U	1	53.6	320	ug/Kg	10/21/25 22:53	PB170180
91-57-6	2-Methylnaphthalene	320	U	1	47.8	320	ug/Kg	10/21/25 22:53	PB170180
77-47-4	Hexachlorocyclopentadiene	620	U	1	220	620	ug/Kg	10/21/25 22:53	PB170180
88-06-2	2,4,6-Trichlorophenol	320	U	1	37.0	320	ug/Kg	10/21/25 22:53	PB170180
95-95-4	2,4,5-Trichlorophenol	320	U	1	54.4	320	ug/Kg	10/21/25 22:53	PB170180
92-52-4	1,1-Biphenyl	320	U	1	40.7	320	ug/Kg	10/21/25 22:53	PB170180
91-58-7	2-Chloronaphthalene	320	U	1	42.0	320	ug/Kg	10/21/25 22:53	PB170180
88-74-4	2-Nitroaniline	320	U	1	89.9	320	ug/Kg	10/21/25 22:53	PB170180
131-11-3	Dimethylphthalate	320	U	1	50.6	320	ug/Kg	10/21/25 22:53	PB170180
208-96-8	Acenaphthylene	320	U	1	54.0	320	ug/Kg	10/21/25 22:53	PB170180
606-20-2	2,6-Dinitrotoluene	320	UQ	1	62.8	320	ug/Kg	10/21/25 22:53	PB170180
99-09-2	3-Nitroaniline	320	U	1	86.0	320	ug/Kg	10/21/25 22:53	PB170180
83-32-9	Acenaphthene	320	U	1	39.8	320	ug/Kg	10/21/25 22:53	PB170180
51-28-5	2,4-Dinitrophenol	620	U	1	430	620	ug/Kg	10/21/25 22:53	PB170180
100-02-7	4-Nitrophenol	620	U	1	200	620	ug/Kg	10/21/25 22:53	PB170180
132-64-9	Dibenzofuran	320	U	1	42.4	320	ug/Kg	10/21/25 22:53	PB170180
121-14-2	2,4-Dinitrotoluene	320	U	1	93.6	320	ug/Kg	10/21/25 22:53	PB170180
84-66-2	Diethylphthalate	320	U	1	52.9	320	ug/Kg	10/21/25 22:53	PB170180
7005-72-3	4-Chlorophenyl-phenylether	320	U	1	49.9	320	ug/Kg	10/21/25 22:53	PB170180
86-73-7	Fluorene	320	U	1	47.3	320	ug/Kg	10/21/25 22:53	PB170180
100-01-6	4-Nitroaniline	320	U	1	120	320	ug/Kg	10/21/25 22:53	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	620	U	1	190	620	ug/Kg	10/21/25 22:53	PB170180

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-057082-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	53.5
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	320	U	1	61.5	320	ug/Kg	10/21/25 22:53	PB170180
101-55-3	4-Bromophenyl-phenylether	320	U	1	51.9	320	ug/Kg	10/21/25 22:53	PB170180
118-74-1	Hexachlorobenzene	320	U	1	47.3	320	ug/Kg	10/21/25 22:53	PB170180
1912-24-9	Atrazine	320	U	1	63.5	320	ug/Kg	10/21/25 22:53	PB170180
87-86-5	Pentachlorophenol	620	U	1	95.9	620	ug/Kg	10/21/25 22:53	PB170180
85-01-8	Phenanthrene	130	J	1	39.1	320	ug/Kg	10/21/25 22:53	PB170180
120-12-7	Anthracene	320	U	1	62.2	320	ug/Kg	10/21/25 22:53	PB170180
86-74-8	Carbazole	320	U	1	58.3	320	ug/Kg	10/21/25 22:53	PB170180
84-74-2	Di-n-butylphthalate	320	U	1	89.5	320	ug/Kg	10/21/25 22:53	PB170180
206-44-0	Fluoranthene	230	J	1	56.1	320	ug/Kg	10/21/25 22:53	PB170180
129-00-0	Pyrene	180	J	1	67.3	320	ug/Kg	10/21/25 22:53	PB170180
85-68-7	Butylbenzylphthalate	320	U	1	130	320	ug/Kg	10/21/25 22:53	PB170180
91-94-1	3,3-Dichlorobenzidine	620	U	1	68.6	620	ug/Kg	10/21/25 22:53	PB170180
56-55-3	Benzo(a)anthracene	150	J	1	43.0	320	ug/Kg	10/21/25 22:53	PB170180
218-01-9	Chrysene	140	J	1	37.2	320	ug/Kg	10/21/25 22:53	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	320	U	1	110	320	ug/Kg	10/21/25 22:53	PB170180
117-84-0	Di-n-octyl phthalate	620	U	1	160	620	ug/Kg	10/21/25 22:53	PB170180
205-99-2	Benzo(b)fluoranthene	160	J	1	35.5	320	ug/Kg	10/21/25 22:53	PB170180
207-08-9	Benzo(k)fluoranthene	320	U	1	41.9	320	ug/Kg	10/21/25 22:53	PB170180
50-32-8	Benzo(a)pyrene	170	J	1	55.1	320	ug/Kg	10/21/25 22:53	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	320	UQ	1	54.4	320	ug/Kg	10/21/25 22:53	PB170180
53-70-3	Dibenzo(a,h)anthracene	320	U	1	51.2	320	ug/Kg	10/21/25 22:53	PB170180
191-24-2	Benzo(g,h,i)perylene	320	UQ	1	48.0	320	ug/Kg	10/21/25 22:53	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	320	U	1	47.8	320	ug/Kg	10/21/25 22:53	PB170180
123-91-1	1,4-Dioxane	320	U	1	84.5	320	ug/Kg	10/21/25 22:53	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	320	U	1	51.2	320	ug/Kg	10/21/25 22:53	PB170180
SURROGATES									
367-12-4	2-Fluorophenol	80.9			18 - 112	54%	SPK: 150		
13127-88-3	Phenol-d6	78.7			15 - 107	52%	SPK: 150		
4165-60-0	Nitrobenzene-d5	55.2			18 - 107	55%	SPK: 100		
321-60-8	2-Fluorobiphenyl	52.2			20 - 109	52%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	68.4			10 - 116	46%	SPK: 150		
1718-51-0	Terphenyl-d14	35.0			10 - 105	35%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	104000							
1146-65-2	Naphthalene-d8	375000							
15067-26-2	Acenaphthene-d10	177000							
1517-22-2	Phenanthrene-d10	261000							
1719-03-5	Chrysene-d12	242000							
1520-96-3	Perylene-d12	289000							
TENTATIVE IDENTIFIED COMPOUNDS									
004292-92-6	Cyclohexane, pentyl-	250	J			7.78	ug/Kg		
017301-23-4	Undecane, 2,6-dimethyl-	380	J			8.22	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-057082-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	53.5
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
062016-34-6	Octane, 2,3,7-trimethyl-	920	J			8.58	ug/Kg		
003891-98-3	Dodecane, 2,6,10-trimethyl-	670	J			9.18	ug/Kg		
1010104-10-8	3-Methyl-4-(methoxycarbonyl)hexa-2	1000	J			10.6	ug/Kg		
000119-61-9	Benzophenone	420	J			10.6	ug/Kg		
055045-11-9	Tridecane, 5-propyl-	1600	J			10.8	ug/Kg		
000629-50-5	Tridecane	840	J			11.3	ug/Kg		
000057-10-3	n-Hexadecanoic acid	280	J			11.9	ug/Kg		

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

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP01-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	53.6
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	610	U	1	290	610	ug/Kg	10/21/25 23:22	PB170180
108-95-2	Phenol	320	U	1	41.2	320	ug/Kg	10/21/25 23:22	PB170180
111-44-4	bis(2-Chloroethyl)ether	320	U	1	45.3	320	ug/Kg	10/21/25 23:22	PB170180
95-57-8	2-Chlorophenol	320	U	1	45.5	320	ug/Kg	10/21/25 23:22	PB170180
95-48-7	2-Methylphenol	320	U	1	55.7	320	ug/Kg	10/21/25 23:22	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	320	U	1	69.9	320	ug/Kg	10/21/25 23:22	PB170180
98-86-2	Acetophenone	320	U	1	55.0	320	ug/Kg	10/21/25 23:22	PB170180
65794-96-9	3+4-Methylphenols	610	U	1	76.6	610	ug/Kg	10/21/25 23:22	PB170180
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	88.3	150	ug/Kg	10/21/25 23:22	PB170180
67-72-1	Hexachloroethane	320	U	1	32.8	320	ug/Kg	10/21/25 23:22	PB170180
98-95-3	Nitrobenzene	320	U	1	34.1	320	ug/Kg	10/21/25 23:22	PB170180
78-59-1	Isophorone	320	U	1	61.1	320	ug/Kg	10/21/25 23:22	PB170180
88-75-5	2-Nitrophenol	320	U	1	110	320	ug/Kg	10/21/25 23:22	PB170180
105-67-9	2,4-Dimethylphenol	320	U	1	120	320	ug/Kg	10/21/25 23:22	PB170180
111-91-1	bis(2-Chloroethoxy)methane	320	U	1	57.4	320	ug/Kg	10/21/25 23:22	PB170180
120-83-2	2,4-Dichlorophenol	320	U	1	52.7	320	ug/Kg	10/21/25 23:22	PB170180
91-20-3	Naphthalene	320	U	1	42.3	320	ug/Kg	10/21/25 23:22	PB170180
106-47-8	4-Chloroaniline	320	U	1	66.0	320	ug/Kg	10/21/25 23:22	PB170180
87-68-3	Hexachlorobutadiene	320	U	1	47.1	320	ug/Kg	10/21/25 23:22	PB170180
105-60-2	Caprolactam	610	U	1	97.1	610	ug/Kg	10/21/25 23:22	PB170180
59-50-7	4-Chloro-3-methylphenol	320	U	1	53.5	320	ug/Kg	10/21/25 23:22	PB170180
91-57-6	2-Methylnaphthalene	320	U	1	47.7	320	ug/Kg	10/21/25 23:22	PB170180
77-47-4	Hexachlorocyclopentadiene	610	U	1	220	610	ug/Kg	10/21/25 23:22	PB170180
88-06-2	2,4,6-Trichlorophenol	320	U	1	36.9	320	ug/Kg	10/21/25 23:22	PB170180
95-95-4	2,4,5-Trichlorophenol	320	U	1	54.2	320	ug/Kg	10/21/25 23:22	PB170180
92-52-4	1,1-Biphenyl	320	U	1	40.6	320	ug/Kg	10/21/25 23:22	PB170180
91-58-7	2-Chloronaphthalene	320	U	1	41.9	320	ug/Kg	10/21/25 23:22	PB170180
88-74-4	2-Nitroaniline	320	U	1	89.6	320	ug/Kg	10/21/25 23:22	PB170180
131-11-3	Dimethylphthalate	320	U	1	50.5	320	ug/Kg	10/21/25 23:22	PB170180
208-96-8	Acenaphthylene	320	U	1	53.8	320	ug/Kg	10/21/25 23:22	PB170180
606-20-2	2,6-Dinitrotoluene	320	UQ	1	62.6	320	ug/Kg	10/21/25 23:22	PB170180
99-09-2	3-Nitroaniline	320	U	1	85.7	320	ug/Kg	10/21/25 23:22	PB170180
83-32-9	Acenaphthene	320	U	1	39.7	320	ug/Kg	10/21/25 23:22	PB170180
51-28-5	2,4-Dinitrophenol	610	U	1	430	610	ug/Kg	10/21/25 23:22	PB170180
100-02-7	4-Nitrophenol	610	U	1	200	610	ug/Kg	10/21/25 23:22	PB170180
132-64-9	Dibenzofuran	320	U	1	42.3	320	ug/Kg	10/21/25 23:22	PB170180
121-14-2	2,4-Dinitrotoluene	320	U	1	93.3	320	ug/Kg	10/21/25 23:22	PB170180
84-66-2	Diethylphthalate	320	U	1	52.7	320	ug/Kg	10/21/25 23:22	PB170180
7005-72-3	4-Chlorophenyl-phenylether	320	U	1	49.7	320	ug/Kg	10/21/25 23:22	PB170180
86-73-7	Fluorene	320	U	1	47.1	320	ug/Kg	10/21/25 23:22	PB170180
100-01-6	4-Nitroaniline	320	U	1	120	320	ug/Kg	10/21/25 23:22	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	610	U	1	190	610	ug/Kg	10/21/25 23:22	PB170180

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP01-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	53.6
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	320	U	1	61.3	320	ug/Kg	10/21/25 23:22	PB170180
101-55-3	4-Bromophenyl-phenylether	320	U	1	51.8	320	ug/Kg	10/21/25 23:22	PB170180
118-74-1	Hexachlorobenzene	320	U	1	47.1	320	ug/Kg	10/21/25 23:22	PB170180
1912-24-9	Atrazine	320	U	1	63.3	320	ug/Kg	10/21/25 23:22	PB170180
87-86-5	Pentachlorophenol	610	U	1	95.6	610	ug/Kg	10/21/25 23:22	PB170180
85-01-8	Phenanthrene	320	U	1	38.9	320	ug/Kg	10/21/25 23:22	PB170180
120-12-7	Anthracene	320	U	1	62.0	320	ug/Kg	10/21/25 23:22	PB170180
86-74-8	Carbazole	320	U	1	58.1	320	ug/Kg	10/21/25 23:22	PB170180
84-74-2	Di-n-butylphthalate	320	U	1	89.2	320	ug/Kg	10/21/25 23:22	PB170180
206-44-0	Fluoranthene	210	J	1	55.9	320	ug/Kg	10/21/25 23:22	PB170180
129-00-0	Pyrene	160	J	1	67.1	320	ug/Kg	10/21/25 23:22	PB170180
85-68-7	Butylbenzylphthalate	320	U	1	130	320	ug/Kg	10/21/25 23:22	PB170180
91-94-1	3,3-Dichlorobenzidine	610	U	1	68.4	610	ug/Kg	10/21/25 23:22	PB170180
56-55-3	Benzo(a)anthracene	320	U	1	42.9	320	ug/Kg	10/21/25 23:22	PB170180
218-01-9	Chrysene	320	U	1	37.1	320	ug/Kg	10/21/25 23:22	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	320	U	1	110	320	ug/Kg	10/21/25 23:22	PB170180
117-84-0	Di-n-octyl phthalate	610	U	1	160	610	ug/Kg	10/21/25 23:22	PB170180
205-99-2	Benzo(b)fluoranthene	130	J	1	35.4	320	ug/Kg	10/21/25 23:22	PB170180
207-08-9	Benzo(k)fluoranthene	320	U	1	41.7	320	ug/Kg	10/21/25 23:22	PB170180
50-32-8	Benzo(a)pyrene	320	U	1	55.0	320	ug/Kg	10/21/25 23:22	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	320	UQ	1	54.2	320	ug/Kg	10/21/25 23:22	PB170180
53-70-3	Dibenzo(a,h)anthracene	320	U	1	51.1	320	ug/Kg	10/21/25 23:22	PB170180
191-24-2	Benzo(g,h,i)perylene	320	UQ	1	47.9	320	ug/Kg	10/21/25 23:22	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	320	U	1	47.7	320	ug/Kg	10/21/25 23:22	PB170180
123-91-1	1,4-Dioxane	320	U	1	84.2	320	ug/Kg	10/21/25 23:22	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	320	U	1	51.1	320	ug/Kg	10/21/25 23:22	PB170180
SURROGATES									
367-12-4	2-Fluorophenol	89.0			18 - 112	59%	SPK: 150		
13127-88-3	Phenol-d6	86.3			15 - 107	58%	SPK: 150		
4165-60-0	Nitrobenzene-d5	60.5			18 - 107	61%	SPK: 100		
321-60-8	2-Fluorobiphenyl	55.2			20 - 109	55%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	73.9			10 - 116	49%	SPK: 150		
1718-51-0	Terphenyl-d14	38.6			10 - 105	39%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	103000							
1146-65-2	Naphthalene-d8	370000							
15067-26-2	Acenaphthene-d10	183000							
1517-22-2	Phenanthrene-d10	277000							
1719-03-5	Chrysene-d12	262000							
1520-96-3	Perylene-d12	302000							
TENTATIVE IDENTIFIED COMPOUNDS									
004292-92-6	Cyclohexane, pentyl-	230	J			7.78	ug/Kg		
031295-56-4	Dodecane, 2,6,11-trimethyl-	530	J			9.18	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP01-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	53.6
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000119-61-9	Benzophenone	430	J			10.6	ug/Kg		
055045-11-9	Tridecane, 5-propyl-	1300	J			10.8	ug/Kg		
000629-50-5	Tridecane	680	J			11.3	ug/Kg		
000638-53-9	Tridecanoic acid	310	J			11.9	ug/Kg		

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

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-COMP2-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-03	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	52.7
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	620	U	1	300	620	ug/Kg	10/22/25 13:53	PB170180
108-95-2	Phenol	320	U	1	41.8	320	ug/Kg	10/22/25 13:53	PB170180
111-44-4	bis(2-Chloroethyl)ether	320	U	1	46.0	320	ug/Kg	10/22/25 13:53	PB170180
95-57-8	2-Chlorophenol	320	U	1	46.2	320	ug/Kg	10/22/25 13:53	PB170180
95-48-7	2-Methylphenol	320	U	1	56.6	320	ug/Kg	10/22/25 13:53	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	320	U	1	71.0	320	ug/Kg	10/22/25 13:53	PB170180
98-86-2	Acetophenone	320	U	1	55.8	320	ug/Kg	10/22/25 13:53	PB170180
65794-96-9	3+4-Methylphenols	620	U	1	77.8	620	ug/Kg	10/22/25 13:53	PB170180
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	89.7	150	ug/Kg	10/22/25 13:53	PB170180
67-72-1	Hexachloroethane	320	U	1	33.3	320	ug/Kg	10/22/25 13:53	PB170180
98-95-3	Nitrobenzene	320	U	1	34.6	320	ug/Kg	10/22/25 13:53	PB170180
78-59-1	Isophorone	320	U	1	62.1	320	ug/Kg	10/22/25 13:53	PB170180
88-75-5	2-Nitrophenol	320	U	1	110	320	ug/Kg	10/22/25 13:53	PB170180
105-67-9	2,4-Dimethylphenol	320	U	1	120	320	ug/Kg	10/22/25 13:53	PB170180
111-91-1	bis(2-Chloroethoxy)methane	320	U	1	58.3	320	ug/Kg	10/22/25 13:53	PB170180
120-83-2	2,4-Dichlorophenol	320	U	1	53.6	320	ug/Kg	10/22/25 13:53	PB170180
91-20-3	Naphthalene	320	U	1	43.0	320	ug/Kg	10/22/25 13:53	PB170180
106-47-8	4-Chloroaniline	320	U	1	67.0	320	ug/Kg	10/22/25 13:53	PB170180
87-68-3	Hexachlorobutadiene	320	U	1	47.9	320	ug/Kg	10/22/25 13:53	PB170180
105-60-2	Caprolactam	620	U	1	98.6	620	ug/Kg	10/22/25 13:53	PB170180
59-50-7	4-Chloro-3-methylphenol	320	U	1	54.3	320	ug/Kg	10/22/25 13:53	PB170180
91-57-6	2-Methylnaphthalene	320	U	1	48.4	320	ug/Kg	10/22/25 13:53	PB170180
77-47-4	Hexachlorocyclopentadiene	620	U	1	220	620	ug/Kg	10/22/25 13:53	PB170180
88-06-2	2,4,6-Trichlorophenol	320	U	1	37.5	320	ug/Kg	10/22/25 13:53	PB170180
95-95-4	2,4,5-Trichlorophenol	320	U	1	55.1	320	ug/Kg	10/22/25 13:53	PB170180
92-52-4	1,1-Biphenyl	320	U	1	41.3	320	ug/Kg	10/22/25 13:53	PB170180
91-58-7	2-Chloronaphthalene	320	U	1	42.6	320	ug/Kg	10/22/25 13:53	PB170180
88-74-4	2-Nitroaniline	320	U	1	91.0	320	ug/Kg	10/22/25 13:53	PB170180
131-11-3	Dimethylphthalate	320	U	1	51.3	320	ug/Kg	10/22/25 13:53	PB170180
208-96-8	Acenaphthylene	320	U	1	54.7	320	ug/Kg	10/22/25 13:53	PB170180
606-20-2	2,6-Dinitrotoluene	320	UQ	1	63.6	320	ug/Kg	10/22/25 13:53	PB170180
99-09-2	3-Nitroaniline	320	U	1	87.1	320	ug/Kg	10/22/25 13:53	PB170180
83-32-9	Acenaphthene	320	U	1	40.3	320	ug/Kg	10/22/25 13:53	PB170180
51-28-5	2,4-Dinitrophenol	620	U	1	430	620	ug/Kg	10/22/25 13:53	PB170180
100-02-7	4-Nitrophenol	620	U	1	200	620	ug/Kg	10/22/25 13:53	PB170180
132-64-9	Dibenzofuran	320	U	1	43.0	320	ug/Kg	10/22/25 13:53	PB170180
121-14-2	2,4-Dinitrotoluene	320	U	1	94.8	320	ug/Kg	10/22/25 13:53	PB170180
84-66-2	Diethylphthalate	320	U	1	53.6	320	ug/Kg	10/22/25 13:53	PB170180
7005-72-3	4-Chlorophenyl-phenylether	320	U	1	50.5	320	ug/Kg	10/22/25 13:53	PB170180
86-73-7	Fluorene	320	U	1	47.9	320	ug/Kg	10/22/25 13:53	PB170180
100-01-6	4-Nitroaniline	320	U	1	120	320	ug/Kg	10/22/25 13:53	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	620	U	1	190	620	ug/Kg	10/22/25 13:53	PB170180

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-COMP2-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-03	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	52.7
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	320	U	1	62.3	320	ug/Kg	10/22/25 13:53	PB170180
101-55-3	4-Bromophenyl-phenylether	320	U	1	52.6	320	ug/Kg	10/22/25 13:53	PB170180
118-74-1	Hexachlorobenzene	320	U	1	47.9	320	ug/Kg	10/22/25 13:53	PB170180
1912-24-9	Atrazine	320	U	1	64.3	320	ug/Kg	10/22/25 13:53	PB170180
87-86-5	Pentachlorophenol	620	U	1	97.1	620	ug/Kg	10/22/25 13:53	PB170180
85-01-8	Phenanthrene	320	U	1	39.6	320	ug/Kg	10/22/25 13:53	PB170180
120-12-7	Anthracene	320	U	1	63.0	320	ug/Kg	10/22/25 13:53	PB170180
86-74-8	Carbazole	320	U	1	59.0	320	ug/Kg	10/22/25 13:53	PB170180
84-74-2	Di-n-butylphthalate	320	U	1	90.7	320	ug/Kg	10/22/25 13:53	PB170180
206-44-0	Fluoranthene	320	U	1	56.8	320	ug/Kg	10/22/25 13:53	PB170180
129-00-0	Pyrene	320	U	1	68.1	320	ug/Kg	10/22/25 13:53	PB170180
85-68-7	Butylbenzylphthalate	320	U	1	140	320	ug/Kg	10/22/25 13:53	PB170180
91-94-1	3,3-Dichlorobenzidine	620	U	1	69.5	620	ug/Kg	10/22/25 13:53	PB170180
56-55-3	Benzo(a)anthracene	320	U	1	43.5	320	ug/Kg	10/22/25 13:53	PB170180
218-01-9	Chrysene	320	U	1	37.7	320	ug/Kg	10/22/25 13:53	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	320	U	1	110	320	ug/Kg	10/22/25 13:53	PB170180
117-84-0	Di-n-octyl phthalate	620	U	1	160	620	ug/Kg	10/22/25 13:53	PB170180
205-99-2	Benzo(b)fluoranthene	320	U	1	36.0	320	ug/Kg	10/22/25 13:53	PB170180
207-08-9	Benzo(k)fluoranthene	320	U	1	42.4	320	ug/Kg	10/22/25 13:53	PB170180
50-32-8	Benzo(a)pyrene	320	U	1	55.8	320	ug/Kg	10/22/25 13:53	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	320	UQ	1	55.1	320	ug/Kg	10/22/25 13:53	PB170180
53-70-3	Dibenzo(a,h)anthracene	320	U	1	51.9	320	ug/Kg	10/22/25 13:53	PB170180
191-24-2	Benzo(g,h,i)perylene	320	UQ	1	48.6	320	ug/Kg	10/22/25 13:53	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	320	U	1	48.4	320	ug/Kg	10/22/25 13:53	PB170180
123-91-1	1,4-Dioxane	320	U	1	85.5	320	ug/Kg	10/22/25 13:53	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	320	U	1	51.9	320	ug/Kg	10/22/25 13:53	PB170180
SURROGATES									
367-12-4	2-Fluorophenol	42.9			18 - 112	29%	SPK: 150		
13127-88-3	Phenol-d6	40.2			15 - 107	27%	SPK: 150		
4165-60-0	Nitrobenzene-d5	27.1			18 - 107	27%	SPK: 100		
321-60-8	2-Fluorobiphenyl	21.7			20 - 109	22%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	28.4			10 - 116	19%	SPK: 150		
1718-51-0	Terphenyl-d14	22.2			10 - 105	22%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	91100							
1146-65-2	Naphthalene-d8	322000							
15067-26-2	Acenaphthene-d10	162000							
1517-22-2	Phenanthrene-d10	265000							
1719-03-5	Chrysene-d12	232000							
1520-96-3	Perylene-d12	277000							
TENTATIVE IDENTIFIED COMPOUNDS									
003891-98-3	Dodecane, 2,6,10-trimethyl-	130	J			9.18	ug/Kg		
000119-61-9	Benzophenone	190	J			10.6	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-COMP2-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-03	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	52.7
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000112-04-9	Silane, trichlorooctadecyl-	200	J			11.3	ug/Kg		

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

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-047072-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.3
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

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	10/22/25 14:22	PB170180
108-95-2	Phenol	330	U	1	43.0	330	ug/Kg	10/22/25 14:22	PB170180
111-44-4	bis(2-Chloroethyl)ether	330	U	1	47.3	330	ug/Kg	10/22/25 14:22	PB170180
95-57-8	2-Chlorophenol	330	U	1	47.5	330	ug/Kg	10/22/25 14:22	PB170180
95-48-7	2-Methylphenol	330	U	1	58.1	330	ug/Kg	10/22/25 14:22	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	330	U	1	72.9	330	ug/Kg	10/22/25 14:22	PB170180
98-86-2	Acetophenone	330	U	1	57.4	330	ug/Kg	10/22/25 14:22	PB170180
65794-96-9	3+4-Methylphenols	640	U	1	79.9	640	ug/Kg	10/22/25 14:22	PB170180
621-64-7	n-Nitroso-di-n-propylamine	160	U	1	92.2	160	ug/Kg	10/22/25 14:22	PB170180
67-72-1	Hexachloroethane	330	U	1	34.2	330	ug/Kg	10/22/25 14:22	PB170180
98-95-3	Nitrobenzene	330	U	1	35.6	330	ug/Kg	10/22/25 14:22	PB170180
78-59-1	Isophorone	330	U	1	63.8	330	ug/Kg	10/22/25 14:22	PB170180
88-75-5	2-Nitrophenol	330	U	1	110	330	ug/Kg	10/22/25 14:22	PB170180
105-67-9	2,4-Dimethylphenol	330	U	1	130	330	ug/Kg	10/22/25 14:22	PB170180
111-91-1	bis(2-Chloroethoxy)methane	330	U	1	59.9	330	ug/Kg	10/22/25 14:22	PB170180
120-83-2	2,4-Dichlorophenol	330	U	1	55.0	330	ug/Kg	10/22/25 14:22	PB170180
91-20-3	Naphthalene	330	U	1	44.1	330	ug/Kg	10/22/25 14:22	PB170180
106-47-8	4-Chloroaniline	330	U	1	68.8	330	ug/Kg	10/22/25 14:22	PB170180
87-68-3	Hexachlorobutadiene	330	U	1	49.2	330	ug/Kg	10/22/25 14:22	PB170180
105-60-2	Caprolactam	640	U	1	100	640	ug/Kg	10/22/25 14:22	PB170180
59-50-7	4-Chloro-3-methylphenol	330	U	1	55.8	330	ug/Kg	10/22/25 14:22	PB170180
91-57-6	2-Methylnaphthalene	330	U	1	49.8	330	ug/Kg	10/22/25 14:22	PB170180
77-47-4	Hexachlorocyclopentadiene	640	U	1	230	640	ug/Kg	10/22/25 14:22	PB170180
88-06-2	2,4,6-Trichlorophenol	330	U	1	38.5	330	ug/Kg	10/22/25 14:22	PB170180
95-95-4	2,4,5-Trichlorophenol	330	U	1	56.6	330	ug/Kg	10/22/25 14:22	PB170180
92-52-4	1,1-Biphenyl	330	U	1	42.4	330	ug/Kg	10/22/25 14:22	PB170180
91-58-7	2-Chloronaphthalene	330	U	1	43.8	330	ug/Kg	10/22/25 14:22	PB170180
88-74-4	2-Nitroaniline	330	U	1	93.5	330	ug/Kg	10/22/25 14:22	PB170180
131-11-3	Dimethylphthalate	330	U	1	52.7	330	ug/Kg	10/22/25 14:22	PB170180
208-96-8	Acenaphthylene	330	U	1	56.2	330	ug/Kg	10/22/25 14:22	PB170180
606-20-2	2,6-Dinitrotoluene	330	UQ	1	65.3	330	ug/Kg	10/22/25 14:22	PB170180
99-09-2	3-Nitroaniline	330	U	1	89.5	330	ug/Kg	10/22/25 14:22	PB170180
83-32-9	Acenaphthene	330	U	1	41.4	330	ug/Kg	10/22/25 14:22	PB170180
51-28-5	2,4-Dinitrophenol	640	U	1	450	640	ug/Kg	10/22/25 14:22	PB170180
100-02-7	4-Nitrophenol	640	U	1	210	640	ug/Kg	10/22/25 14:22	PB170180
132-64-9	Dibenzofuran	330	U	1	44.1	330	ug/Kg	10/22/25 14:22	PB170180
121-14-2	2,4-Dinitrotoluene	330	U	1	97.4	330	ug/Kg	10/22/25 14:22	PB170180
84-66-2	Diethylphthalate	330	U	1	55.0	330	ug/Kg	10/22/25 14:22	PB170180
7005-72-3	4-Chlorophenyl-phenylether	330	U	1	51.9	330	ug/Kg	10/22/25 14:22	PB170180
86-73-7	Fluorene	330	U	1	49.2	330	ug/Kg	10/22/25 14:22	PB170180
100-01-6	4-Nitroaniline	330	U	1	120	330	ug/Kg	10/22/25 14:22	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	640	U	1	200	640	ug/Kg	10/22/25 14:22	PB170180

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-047072-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.3
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

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	10/22/25 14:22	PB170180
101-55-3	4-Bromophenyl-phenylether	330	U	1	54.1	330	ug/Kg	10/22/25 14:22	PB170180
118-74-1	Hexachlorobenzene	330	U	1	49.2	330	ug/Kg	10/22/25 14:22	PB170180
1912-24-9	Atrazine	330	U	1	66.1	330	ug/Kg	10/22/25 14:22	PB170180
87-86-5	Pentachlorophenol	640	U	1	99.8	640	ug/Kg	10/22/25 14:22	PB170180
85-01-8	Phenanthrene	330	U	1	40.6	330	ug/Kg	10/22/25 14:22	PB170180
120-12-7	Anthracene	330	U	1	64.8	330	ug/Kg	10/22/25 14:22	PB170180
86-74-8	Carbazole	330	U	1	60.7	330	ug/Kg	10/22/25 14:22	PB170180
84-74-2	Di-n-butylphthalate	330	U	1	93.2	330	ug/Kg	10/22/25 14:22	PB170180
206-44-0	Fluoranthene	330	U	1	58.3	330	ug/Kg	10/22/25 14:22	PB170180
129-00-0	Pyrene	330	U	1	70.0	330	ug/Kg	10/22/25 14:22	PB170180
85-68-7	Butylbenzylphthalate	330	U	1	140	330	ug/Kg	10/22/25 14:22	PB170180
91-94-1	3,3-Dichlorobenzidine	640	U	1	71.4	640	ug/Kg	10/22/25 14:22	PB170180
56-55-3	Benzo(a)anthracene	330	U	1	44.7	330	ug/Kg	10/22/25 14:22	PB170180
218-01-9	Chrysene	330	U	1	38.7	330	ug/Kg	10/22/25 14:22	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	330	U	1	120	330	ug/Kg	10/22/25 14:22	PB170180
117-84-0	Di-n-octyl phthalate	640	U	1	170	640	ug/Kg	10/22/25 14:22	PB170180
205-99-2	Benzo(b)fluoranthene	330	U	1	37.0	330	ug/Kg	10/22/25 14:22	PB170180
207-08-9	Benzo(k)fluoranthene	330	U	1	43.6	330	ug/Kg	10/22/25 14:22	PB170180
50-32-8	Benzo(a)pyrene	330	U	1	57.4	330	ug/Kg	10/22/25 14:22	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	330	UQ	1	56.6	330	ug/Kg	10/22/25 14:22	PB170180
53-70-3	Dibenzo(a,h)anthracene	330	U	1	53.3	330	ug/Kg	10/22/25 14:22	PB170180
191-24-2	Benzo(g,h,i)perylene	330	UQ	1	50.0	330	ug/Kg	10/22/25 14:22	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	330	U	1	49.8	330	ug/Kg	10/22/25 14:22	PB170180
123-91-1	1,4-Dioxane	330	U	1	87.9	330	ug/Kg	10/22/25 14:22	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	330	U	1	53.3	330	ug/Kg	10/22/25 14:22	PB170180
SURROGATES									
367-12-4	2-Fluorophenol	34.8			18 - 112	23%	SPK: 150		
13127-88-3	Phenol-d6	33.2			15 - 107	22%	SPK: 150		
4165-60-0	Nitrobenzene-d5	22.6			18 - 107	23%	SPK: 100		
321-60-8	2-Fluorobiphenyl	22.8			20 - 109	23%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	43.4			10 - 116	29%	SPK: 150		
1718-51-0	Terphenyl-d14	24.1			10 - 105	24%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	70900							
1146-65-2	Naphthalene-d8	251000							
15067-26-2	Acenaphthene-d10	130000							
1517-22-2	Phenanthrene-d10	213000							
1719-03-5	Chrysene-d12	243000							
1520-96-3	Perylene-d12	287000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	290	J			10.6	ug/Kg		
000057-10-3	n-Hexadecanoic acid	140	J			11.9	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-047072-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.3
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

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

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

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-020047-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	66.8
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	490	U	1	230	490	ug/Kg	10/28/25 19:57	PB170180
108-95-2	Phenol	250	U	1	33.1	250	ug/Kg	10/28/25 19:57	PB170180
111-44-4	bis(2-Chloroethyl)ether	250	U	1	36.4	250	ug/Kg	10/28/25 19:57	PB170180
95-57-8	2-Chlorophenol	250	U	1	36.5	250	ug/Kg	10/28/25 19:57	PB170180
95-48-7	2-Methylphenol	250	U	1	44.7	250	ug/Kg	10/28/25 19:57	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	250	U	1	56.1	250	ug/Kg	10/28/25 19:57	PB170180
98-86-2	Acetophenone	250	U	1	44.1	250	ug/Kg	10/28/25 19:57	PB170180
65794-96-9	3+4-Methylphenols	490	U	1	61.5	490	ug/Kg	10/28/25 19:57	PB170180
621-64-7	n-Nitroso-di-n-propylamine	120	U	1	70.9	120	ug/Kg	10/28/25 19:57	PB170180
67-72-1	Hexachloroethane	250	U	1	26.3	250	ug/Kg	10/28/25 19:57	PB170180
98-95-3	Nitrobenzene	250	U	1	27.4	250	ug/Kg	10/28/25 19:57	PB170180
78-59-1	Isophorone	250	U	1	49.1	250	ug/Kg	10/28/25 19:57	PB170180
88-75-5	2-Nitrophenol	250	U	1	87.1	250	ug/Kg	10/28/25 19:57	PB170180
105-67-9	2,4-Dimethylphenol	250	U	1	96.9	250	ug/Kg	10/28/25 19:57	PB170180
111-91-1	bis(2-Chloroethoxy)methane	250	U	1	46.1	250	ug/Kg	10/28/25 19:57	PB170180
120-83-2	2,4-Dichlorophenol	250	U	1	42.3	250	ug/Kg	10/28/25 19:57	PB170180
91-20-3	Naphthalene	250	U	1	34.0	250	ug/Kg	10/28/25 19:57	PB170180
106-47-8	4-Chloroaniline	250	U	1	53.0	250	ug/Kg	10/28/25 19:57	PB170180
87-68-3	Hexachlorobutadiene	250	U	1	37.8	250	ug/Kg	10/28/25 19:57	PB170180
105-60-2	Caprolactam	490	U	1	77.9	490	ug/Kg	10/28/25 19:57	PB170180
59-50-7	4-Chloro-3-methylphenol	250	U	1	42.9	250	ug/Kg	10/28/25 19:57	PB170180
91-57-6	2-Methylnaphthalene	250	U	1	38.3	250	ug/Kg	10/28/25 19:57	PB170180
77-47-4	Hexachlorocyclopentadiene	490	U	1	170	490	ug/Kg	10/28/25 19:57	PB170180
88-06-2	2,4,6-Trichlorophenol	250	U	1	29.6	250	ug/Kg	10/28/25 19:57	PB170180
95-95-4	2,4,5-Trichlorophenol	250	U	1	43.5	250	ug/Kg	10/28/25 19:57	PB170180
92-52-4	1,1-Biphenyl	250	U	1	32.6	250	ug/Kg	10/28/25 19:57	PB170180
91-58-7	2-Chloronaphthalene	250	U	1	33.7	250	ug/Kg	10/28/25 19:57	PB170180
88-74-4	2-Nitroaniline	250	U	1	72.0	250	ug/Kg	10/28/25 19:57	PB170180
131-11-3	Dimethylphthalate	250	U	1	40.5	250	ug/Kg	10/28/25 19:57	PB170180
208-96-8	Acenaphthylene	250	U	1	43.2	250	ug/Kg	10/28/25 19:57	PB170180
606-20-2	2,6-Dinitrotoluene	250	UQ	1	50.3	250	ug/Kg	10/28/25 19:57	PB170180
99-09-2	3-Nitroaniline	250	U	1	68.8	250	ug/Kg	10/28/25 19:57	PB170180
83-32-9	Acenaphthene	250	U	1	31.9	250	ug/Kg	10/28/25 19:57	PB170180
51-28-5	2,4-Dinitrophenol	490	U	1	340	490	ug/Kg	10/28/25 19:57	PB170180
100-02-7	4-Nitrophenol	490	U	1	160	490	ug/Kg	10/28/25 19:57	PB170180
132-64-9	Dibenzofuran	250	U	1	34.0	250	ug/Kg	10/28/25 19:57	PB170180
121-14-2	2,4-Dinitrotoluene	250	U	1	75.0	250	ug/Kg	10/28/25 19:57	PB170180
84-66-2	Diethylphthalate	250	U	1	42.3	250	ug/Kg	10/28/25 19:57	PB170180
7005-72-3	4-Chlorophenyl-phenylether	250	U	1	39.9	250	ug/Kg	10/28/25 19:57	PB170180
86-73-7	Fluorene	250	U	1	37.8	250	ug/Kg	10/28/25 19:57	PB170180
100-01-6	4-Nitroaniline	250	U	1	96.0	250	ug/Kg	10/28/25 19:57	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	490	U	1	150	490	ug/Kg	10/28/25 19:57	PB170180

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-020047-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	66.8
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	250	U	1	49.2	250	ug/Kg	10/28/25 19:57	PB170180
101-55-3	4-Bromophenyl-phenylether	250	U	1	41.6	250	ug/Kg	10/28/25 19:57	PB170180
118-74-1	Hexachlorobenzene	250	U	1	37.8	250	ug/Kg	10/28/25 19:57	PB170180
1912-24-9	Atrazine	250	U	1	50.9	250	ug/Kg	10/28/25 19:57	PB170180
87-86-5	Pentachlorophenol	490	U	1	76.7	490	ug/Kg	10/28/25 19:57	PB170180
85-01-8	Phenanthrene	250	U	1	31.3	250	ug/Kg	10/28/25 19:57	PB170180
120-12-7	Anthracene	250	U	1	49.8	250	ug/Kg	10/28/25 19:57	PB170180
86-74-8	Carbazole	250	U	1	46.7	250	ug/Kg	10/28/25 19:57	PB170180
84-74-2	Di-n-butylphthalate	250	U	1	71.7	250	ug/Kg	10/28/25 19:57	PB170180
206-44-0	Fluoranthene	250	U	1	44.9	250	ug/Kg	10/28/25 19:57	PB170180
129-00-0	Pyrene	250	U	1	53.9	250	ug/Kg	10/28/25 19:57	PB170180
85-68-7	Butylbenzylphthalate	250	U	1	110	250	ug/Kg	10/28/25 19:57	PB170180
91-94-1	3,3-Dichlorobenzidine	490	U	1	54.9	490	ug/Kg	10/28/25 19:57	PB170180
56-55-3	Benzo(a)anthracene	250	U	1	34.4	250	ug/Kg	10/28/25 19:57	PB170180
218-01-9	Chrysene	250	U	1	29.8	250	ug/Kg	10/28/25 19:57	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	190	J	1	88.6	250	ug/Kg	10/28/25 19:57	PB170180
117-84-0	Di-n-octyl phthalate	490	U	1	130	490	ug/Kg	10/28/25 19:57	PB170180
205-99-2	Benzo(b)fluoranthene	250	U	1	28.4	250	ug/Kg	10/28/25 19:57	PB170180
207-08-9	Benzo(k)fluoranthene	250	U	1	33.5	250	ug/Kg	10/28/25 19:57	PB170180
50-32-8	Benzo(a)pyrene	250	U	1	44.1	250	ug/Kg	10/28/25 19:57	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	250	UQ	1	43.5	250	ug/Kg	10/28/25 19:57	PB170180
53-70-3	Dibenzo(a,h)anthracene	250	U	1	41.0	250	ug/Kg	10/28/25 19:57	PB170180
191-24-2	Benzo(g,h,i)perylene	250	UQ	1	38.4	250	ug/Kg	10/28/25 19:57	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	1	38.3	250	ug/Kg	10/28/25 19:57	PB170180
123-91-1	1,4-Dioxane	250	U	1	67.6	250	ug/Kg	10/28/25 19:57	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	1	41.0	250	ug/Kg	10/28/25 19:57	PB170180
SURROGATES									
367-12-4	2-Fluorophenol	55.4			18 - 112	37%	SPK: 150		
13127-88-3	Phenol-d6	49.1			15 - 107	33%	SPK: 150		
4165-60-0	Nitrobenzene-d5	34.5			18 - 107	35%	SPK: 100		
321-60-8	2-Fluorobiphenyl	29.4			20 - 109	29%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	94.4			10 - 116	63%	SPK: 150		
1718-51-0	Terphenyl-d14	50.5			10 - 105	50%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	37200							
1146-65-2	Naphthalene-d8	140000							
15067-26-2	Acenaphthene-d10	107000							
1517-22-2	Phenanthrene-d10	250000							
1719-03-5	Chrysene-d12	292000							
1520-96-3	Perylene-d12	320000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	370	J			16.2	ug/Kg		
000057-10-3	n-Hexadecanoic acid	560	J			18.5	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-020047-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	66.8
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000629-73-2	Cetene	130	J			19.3	ug/Kg		
000112-88-9	1-Octadecene	150	J			20.4	ug/Kg		
000297-03-0	Cyclotetracosane	330	J			21.5	ug/Kg		

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

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

QC SUMMARY

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

SW-846

SDG No.: Q3376

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170180BL	PB170180BL	2-Fluorophenol	150	130	86		18	112
		Phenol-d6	150	128	85		15	107
		Nitrobenzene-d5	100	97.5	98		18	107
		2-Fluorobiphenyl	100	86.5	86		20	109
		2,4,6-Tribromophenol	150	136	91		10	116
		Terphenyl-d14	100	102	102		10	105
PB170180BS	PB170180BS	2-Fluorophenol	150	116	78		18	112
		Phenol-d6	150	118	79		15	107
		Nitrobenzene-d5	100	87.1	87		18	107
		2-Fluorobiphenyl	100	79.6	80		20	109
		2,4,6-Tribromophenol	150	127	85		10	116
		Terphenyl-d14	100	95.9	96		10	105
Q3376-01	PR132-S05-057082-20251016	2-Fluorophenol	150	80.9	54		18	112
		Phenol-d6	150	78.7	52		15	107
		Nitrobenzene-d5	100	55.2	55		18	107
		2-Fluorobiphenyl	100	52.2	52		20	109
		2,4,6-Tribromophenol	150	68.4	46		10	116
		Terphenyl-d14	100	35.0	35		10	105
Q3376-02	PR132-DP01-20251016	2-Fluorophenol	150	89.0	59		18	112
		Phenol-d6	150	86.3	58		15	107
		Nitrobenzene-d5	100	60.5	61		18	107
		2-Fluorobiphenyl	100	55.2	55		20	109
		2,4,6-Tribromophenol	150	73.9	49		10	116
		Terphenyl-d14	100	38.6	39		10	105
Q3376-03	PR132-COMP2-20251016	2-Fluorophenol	150	42.9	29		18	112
		Phenol-d6	150	40.2	27		15	107
		Nitrobenzene-d5	100	27.1	27		18	107
		2-Fluorobiphenyl	100	21.7	22		20	109
		2,4,6-Tribromophenol	150	28.4	19		10	116
		Terphenyl-d14	100	22.2	22		10	105
Q3376-04	PR132-S12-047072-20251016	2-Fluorophenol	150	34.8	23		18	112
		Phenol-d6	150	33.2	22		15	107
		Nitrobenzene-d5	100	22.6	23		18	107
		2-Fluorobiphenyl	100	22.8	23		20	109
		2,4,6-Tribromophenol	150	43.4	29		10	116
		Terphenyl-d14	100	24.1	24		10	105
Q3376-05	PR132-S12-020047-20251016	2-Fluorophenol	150	55.4	37		18	112
		Phenol-d6	150	49.1	33		15	107
		Nitrobenzene-d5	100	34.5	35		18	107
		2-Fluorobiphenyl	100	29.4	29		20	109
		2,4,6-Tribromophenol	150	94.4	63		10	116
		Terphenyl-d14	100	50.5	50		10	105
Q3402-07MS	41-LBMS	2-Fluorophenol	150	95.0	63		18	112
		Phenol-d6	150	93.4	62		15	107
		Nitrobenzene-d5	100	63.3	63		18	107
		2-Fluorobiphenyl	100	46.5	46		20	109
		2,4,6-Tribromophenol	150	75.3	50		10	116
		Terphenyl-d14	100	33.9	34		10	105
Q3402-07MSD	41-LBMSD	2-Fluorophenol	150	92.9	62		18	112
		Phenol-d6	150	91.9	61		15	107
		Nitrobenzene-d5	100	62.7	63		18	107

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Surrogate Summary

SW-846

SDG No.: Q3376

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3402-07MSD	41-LBMSD	2-Fluorobiphenyl	100	43.7	44		20	109
		2,4,6-Tribromophenol	150	75.1	50		10	116
		Terphenyl-d14	100	34.4	34		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144021.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3402-07MS		**Client Sample ID: 41-LBMS**									
Benzaldehyde	1500	0	840	ug/Kg	56				10	171	
Phenol	1500	0	1500	ug/Kg	100				51	122	
bis(2-Chloroethyl)ether	1500	0	1500	ug/Kg	100				54	125	
2-Chlorophenol	1500	0	1500	ug/Kg	100				51	121	
2-Methylphenol	1500	0	1400	ug/Kg	93				47	125	
2,2-oxybis(1-Chloropropane)	1500	0	1500	ug/Kg	100				46	119	
Acetophenone	1500	0	1600	ug/Kg	107				55	128	
3+4-Methylphenols	1500	0	1400	ug/Kg	93				49	125	
N-Nitroso-di-n-propylamine	1500	0	1400	ug/Kg	93				59	119	
Hexachloroethane	1500	0	1400	ug/Kg	93				51	116	
Nitrobenzene	1500	0	1500	ug/Kg	100				47	124	
Isophorone	1500	0	1400	ug/Kg	93				49	127	
2-Nitrophenol	1500	0	1700	ug/Kg	113				43	131	
2,4-Dimethylphenol	1500	0	1600	ug/Kg	107				63	151	
bis(2-Chloroethoxy)methane	1500	0	1500	ug/Kg	100				51	119	
2,4-Dichlorophenol	1500	0	1400	ug/Kg	93				50	122	
Naphthalene	1500	0	1500	ug/Kg	100				51	121	
4-Chloroaniline	1500	0	550	ug/Kg	37				10	100	
Hexachlorobutadiene	1500	0	1400	ug/Kg	93				44	126	
Caprolactam	1500	0	1500	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	1500	0	1400	ug/Kg	93				57	132	
2-Methylnaphthalene	1500	0	1300	ug/Kg	87				59	123	
Hexachlorocyclopentadiene	3000	0	3200	ug/Kg	107				10	175	
2,4,6-Trichlorophenol	1500	0	1500	ug/Kg	100				33	141	
2,4,5-Trichlorophenol	1500	0	1500	ug/Kg	100				38	135	
1,1-Biphenyl	1500	0	1700	ug/Kg	113				55	131	
2-Chloronaphthalene	1500	0	1600	ug/Kg	107				48	124	
2-Nitroaniline	1500	0	1700	ug/Kg	113				47	134	
Dimethylphthalate	1500	0	1600	ug/Kg	107				54	120	
Acenaphthylene	1500	0	1700	ug/Kg	113				57	125	
2,6-Dinitrotoluene	1500	0	1800	ug/Kg	120				48	127	
3-Nitroaniline	1500	0	1100	ug/Kg	73				10	112	
Acenaphthene	1500	0	1500	ug/Kg	100				70	121	
2,4-Dinitrophenol	3000	0	2300	ug/Kg	77				10	155	
4-Nitrophenol	3000	0	2600	ug/Kg	87				10	175	
Dibenzofuran	1500	0	1500	ug/Kg	100				52	114	
2,4-Dinitrotoluene	1500	0	1700	ug/Kg	113				41	140	
Diethylphthalate	1500	0	1500	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	1500	0	1400	ug/Kg	93				48	122	
Fluorene	1500	0	1500	ug/Kg	100				53	118	
4-Nitroaniline	1500	0	1400	ug/Kg	93				29	140	
4,6-Dinitro-2-methylphenol	1500	0	1700	ug/Kg	113				10	160	
N-Nitrosodiphenylamine	1500	0	1700	ug/Kg	113				73	118	
4-Bromophenyl-phenylether	1500	0	1500	ug/Kg	100				65	121	
Hexachlorobenzene	1500	0	1500	ug/Kg	100				67	118	
Atrazine	1500	0	1600	ug/Kg	107				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144021.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3000	0	2500	ug/Kg	83				13	153	
Phenanthrene	1500	0	1600	ug/Kg	107				52	128	
Anthracene	1500	0	1600	ug/Kg	107				62	124	
Carbazole	1500	0	1500	ug/Kg	100				59	119	
Di-n-butylphthalate	1500	0	1600	ug/Kg	107				55	125	
Fluoranthene	1500	63.0	1600	ug/Kg	102				44	125	
Pyrene	1500	0	1200	ug/Kg	80				37	122	
Butylbenzylphthalate	1500	0	1500	ug/Kg	100				44	135	
3,3-Dichlorobenzidine	1500	0	1400	ug/Kg	93				15	112	
Benzo(a)anthracene	1500	0	1600	ug/Kg	107				53	119	
Chrysene	1500	0	1600	ug/Kg	107				57	121	
bis(2-Ethylhexyl)phthalate	1500	0	1800	ug/Kg	120				42	169	
Di-n-octyl phthalate	1500	0	2100	ug/Kg	140				51	156	
Benzo(b)fluoranthene	1500	0	1500	ug/Kg	100				52	117	
Benzo(k)fluoranthene	1500	0	1400	ug/Kg	93				57	134	
Benzo(a)pyrene	1500	0	1600	ug/Kg	107				70	142	
Indeno(1,2,3-cd)pyrene	1500	0	1500	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	1500	0	1500	ug/Kg	100				43	123	
Benzo(g,h,i)perylene	1500	0	1400	ug/Kg	93				24	125	
1,2,4,5-Tetrachlorobenzene	1500	0	1700	ug/Kg	113				52	134	
1,4-Dioxane	1500	0	1400	ug/Kg	93				46	112	
2,3,4,6-Tetrachlorophenol	1500	0	1400	ug/Kg	93				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144022.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3402-07MSD		**Client Sample ID: 41-LBMSD**									
Benzaldehyde	1500	0	850	ug/Kg	57	2			10	171	20
Phenol	1500	0	1500	ug/Kg	100	0			51	122	20
bis(2-Chloroethyl)ether	1500	0	1500	ug/Kg	100	0			54	125	20
2-Chlorophenol	1500	0	1500	ug/Kg	100	0			51	121	20
2-Methylphenol	1500	0	1400	ug/Kg	93	0			47	125	20
2,2-oxybis(1-Chloropropane)	1500	0	1400	ug/Kg	93	7			46	119	20
Acetophenone	1500	0	1600	ug/Kg	107	0			55	128	20
3+4-Methylphenols	1500	0	1400	ug/Kg	93	0			49	125	20
N-Nitroso-di-n-propylamine	1500	0	1400	ug/Kg	93	0			59	119	20
Hexachloroethane	1500	0	1500	ug/Kg	100	7			51	116	20
Nitrobenzene	1500	0	1600	ug/Kg	107	7			47	124	20
Isophorone	1500	0	1400	ug/Kg	93	0			49	127	20
2-Nitrophenol	1500	0	1700	ug/Kg	113	0			43	131	20
2,4-Dimethylphenol	1500	0	1600	ug/Kg	107	0			63	151	20
bis(2-Chloroethoxy)methane	1500	0	1500	ug/Kg	100	0			51	119	20
2,4-Dichlorophenol	1500	0	1400	ug/Kg	93	0			50	122	20
Naphthalene	1500	0	1400	ug/Kg	93	7			51	121	20
4-Chloroaniline	1500	0	580	ug/Kg	39	5			10	100	20
Hexachlorobutadiene	1500	0	1400	ug/Kg	93	0			44	126	20
Caprolactam	1500	0	1500	ug/Kg	100	0			51	134	20
4-Chloro-3-methylphenol	1500	0	1400	ug/Kg	93	0			57	132	20
2-Methylnaphthalene	1500	0	1300	ug/Kg	87	0			59	123	20
Hexachlorocyclopentadiene	3000	0	3100	ug/Kg	103	4			10	175	20
2,4,6-Trichlorophenol	1500	0	1500	ug/Kg	100	0			33	141	20
2,4,5-Trichlorophenol	1500	0	1500	ug/Kg	100	0			38	135	20
1,1-Biphenyl	1500	0	1600	ug/Kg	107	5			55	131	20
2-Chloronaphthalene	1500	0	1500	ug/Kg	100	7			48	124	20
2-Nitroaniline	1500	0	1600	ug/Kg	107	5			47	134	20
Dimethylphthalate	1500	0	1500	ug/Kg	100	7			54	120	20
Acenaphthylene	1500	0	1700	ug/Kg	113	0			57	125	20
2,6-Dinitrotoluene	1500	0	1700	ug/Kg	113	6			48	127	20
3-Nitroaniline	1500	0	1100	ug/Kg	73	0			10	112	20
Acenaphthene	1500	0	1500	ug/Kg	100	0			70	121	20
2,4-Dinitrophenol	3000	0	2400	ug/Kg	80	4			10	155	20
4-Nitrophenol	3000	0	2500	ug/Kg	83	5			10	175	20
Dibenzofuran	1500	0	1400	ug/Kg	93	7			52	114	20
2,4-Dinitrotoluene	1500	0	1600	ug/Kg	107	5			41	140	20
Diethylphthalate	1500	0	1400	ug/Kg	93	7			51	119	20
4-Chlorophenyl-phenylether	1500	0	1400	ug/Kg	93	0			48	122	20
Fluorene	1500	0	1400	ug/Kg	93	7			53	118	20
4-Nitroaniline	1500	0	1400	ug/Kg	93	0			29	140	20
4,6-Dinitro-2-methylphenol	1500	0	1800	ug/Kg	120	6			10	160	20
N-Nitrosodiphenylamine	1500	0	1700	ug/Kg	113	0			73	118	20
4-Bromophenyl-phenylether	1500	0	1500	ug/Kg	100	0			65	121	20
Hexachlorobenzene	1500	0	1400	ug/Kg	93	7			67	118	20
Atrazine	1500	0	1600	ug/Kg	107	0			45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144022.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3000	0	2600	ug/Kg	87		5		13	153	20
Phenanthrene	1500	0	1500	ug/Kg	100		7		52	128	20
Anthracene	1500	0	1500	ug/Kg	100		7		62	124	20
Carbazole	1500	0	1500	ug/Kg	100		0		59	119	20
Di-n-butylphthalate	1500	0	1600	ug/Kg	107		0		55	125	20
Fluoranthene	1500	63.0	1500	ug/Kg	96		6		44	125	20
Pyrene	1500	0	1200	ug/Kg	80		0		37	122	20
Butylbenzylphthalate	1500	0	1500	ug/Kg	100		0		44	135	20
3,3-Dichlorobenzidine	1500	0	1400	ug/Kg	93		0		15	112	20
Benzo(a)anthracene	1500	0	1600	ug/Kg	107		0		53	119	20
Chrysene	1500	0	1600	ug/Kg	107		0		57	121	20
bis(2-Ethylhexyl)phthalate	1500	0	1700	ug/Kg	113		6		42	169	20
Di-n-octyl phthalate	1500	0	2000	ug/Kg	133		5		51	156	20
Benzo(b)fluoranthene	1500	0	1500	ug/Kg	100		0		52	117	20
Benzo(k)fluoranthene	1500	0	1400	ug/Kg	93		0		57	134	20
Benzo(a)pyrene	1500	0	1600	ug/Kg	107		0		70	142	20
Indeno(1,2,3-cd)pyrene	1500	0	1500	ug/Kg	100		0		40	129	20
Dibenz(a,h)anthracene	1500	0	1500	ug/Kg	100		0		43	123	20
Benzo(g,h,i)perylene	1500	0	1400	ug/Kg	93		0		24	125	20
1,2,4,5-Tetrachlorobenzene	1500	0	1700	ug/Kg	113		0		52	134	20
1,4-Dioxane	1500	0	1300	ug/Kg	87		7		46	112	20
2,3,4,6-Tetrachlorophenol	1500	0	1400	ug/Kg	93		0		24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BF144034.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170180BS	Benzaldehyde	1700	880	ug/Kg	52				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1800	ug/Kg	106				61	111	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	780	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	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	3300	ug/Kg	100				45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				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	1800	ug/Kg	106		*		61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	2600	ug/Kg	79				37	128	
	4-Nitrophenol	3300	2600	ug/Kg	79				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				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	1500	ug/Kg	88				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.: Q3376 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BF144034.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170180BS	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	2400	ug/Kg	73				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	1400	ug/Kg	82				57	107	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				54	135	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				52	137	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1900	ug/Kg	112		*		63	101	
	Dibenz(a,h)anthracene	1700	1900	ug/Kg	112				61	112	
	Benzo(g,h,i)perylene	1700	1900	ug/Kg	112		*		70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170180BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3376

Lab File ID: BF144033.D | Lab Sample ID: PB170180BL

Instrument ID: BNA_F | Date Extracted: 10/21/2025

Matrix: (soil/water) SOIL | Date Analyzed: 10/22/2025

Level: (low/med) LOW | Time Analyzed: 10:54

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170180BS	PB170180BS	BF144034.D	10/22/2025
PR132-COMP2-20251016	Q3376-03	BF144039.D	10/22/2025
PR132-S12-047072-20251016	Q3376-04	BF144040.D	10/22/2025
PR132-S12-020047-20251016	Q3376-05	BG064609.D	10/28/2025
PR132-S05-057082-20251016	Q3376-01	BF144028.D	10/21/2025
PR132-DP01-20251016	Q3376-02	BF144029.D	10/21/2025
41-LBMS	Q3402-07MS	BF144021.D	10/21/2025
41-LBMSD	Q3402-07MSD	BF144022.D	10/21/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3376

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

Instrument ID: BNA_F DFTPP Injection Time: 09:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	78.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

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

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3376

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

Instrument ID: BNA_F DFTPP Injection Time: 12:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	85.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF144009.D	10/21/2025	13:29
41-LBMS	Q3402-07MS	BF144021.D	10/21/2025	19:28
41-LBMSD	Q3402-07MSD	BF144022.D	10/21/2025	19:58
PR132-S05-057082-20251016	Q3376-01	BF144028.D	10/21/2025	22:53
PR132-DP01-20251016	Q3376-02	BF144029.D	10/21/2025	23:22

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3376

Lab File ID: BF144031.D DFTPP Injection Date: 10/22/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.5) 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	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.0
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	84.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF144032.D	10/22/2025	10:25
PB170180BL	PB170180BL	BF144033.D	10/22/2025	10:54
PB170180BS	PB170180BS	BF144034.D	10/22/2025	11:23
PR132-COMP2-20251016	Q3376-03	BF144039.D	10/22/2025	13:53
PR132-S12-047072-20251016	Q3376-04	BF144040.D	10/22/2025	14:22

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3376

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.: Q3376

Lab File ID: BG064599.D DFTPP Injection Date: 10/28/2025

Instrument ID: BNA_G DFTPP Injection Time: 13:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.2 (0.5) 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	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.5
365	Greater than 1% of mass 198	5.5
441	Present, but less than mass 443	80.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (20.1) 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	BG064600.D	10/28/2025	13:45
PR132-S12-020047-20251016	Q3376-05	BG064609.D	10/28/2025	19:57

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3376

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

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

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	126907	6.881	483648	8.16	263342	9.92
	UPPER LIMIT	253814	7.381	967296	8.663	526684	10.422
	LOWER LIMIT	63453.5	6.381	241824	7.663	131671	9.422
	EPA SAMPLE NO.						
01	PR132-S05-057082-20251016	103970	6.88	375202	8.16	176662	9.92
02	PR132-DP01-20251016	102606	6.88	370185	8.16	182853	9.92
03	41-LBMS	97883	6.88	362327	8.16	171519	9.92
04	41-LBMSD	105784	6.88	388491	8.16	194134	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.: Q3376

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

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

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	430811	11.416	235758	14.063	243917	15.545
	UPPER LIMIT	861622	11.916	471516	14.563	487834	16.045
	LOWER LIMIT	215406	10.916	117879	13.563	121959	15.045
	EPA SAMPLE NO.						
01	PR132-S05-057082-20251016	261482	11.41	242210	14.06	289481	15.55
02	PR132-DP01-20251016	276992	11.41	261924	14.06	301622	15.55
03	41-LBMS	251833	11.42	215570	14.06	288346	15.55
04	41-LBMSD	286809	11.41	223920	14.06	293398	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.: Q3376

Client ID : SSTDCCC040 Date Analyzed: 10/22/2025

Lab File ID: BF144032.D Time Analyzed: 10:25

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	112960	6.881	428129	8.16	220935	9.92
	UPPER LIMIT	225920	7.381	856258	8.663	441870	10.422
	LOWER LIMIT	56480	6.381	214065	7.663	110468	9.422
	EPA SAMPLE NO.						
01	PB170180BL	133448	6.88	515654	8.16	278111	9.92
02	PB170180BS	119718	6.88	459704	8.16	246572	9.92
03	PR132-COMP2-20251016	91108	6.88	322317	8.16	162319	9.92
04	PR132-S12-047072-20251016	70898	6.88	250555	8.16	129776	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.: Q3376

Client ID: SSTDCCC040 Date Analyzed: 10/22/2025

Lab File ID: BF144032.D Time Analyzed: 10:25

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	348267	11.416	176671	14.063	208587	15.545
	UPPER LIMIT	696534	11.916	353342	14.563	417174	16.045
	LOWER LIMIT	174134	10.916	88335.5	13.563	104294	15.045
	EPA SAMPLE NO.						
01	PB170180BL	477973	11.41	255711	14.06	254526	15.55
02	PB170180BS	409864	11.42	219056	14.06	213561	15.55
03	PR132-COMP2-20251016	264674	11.41	231985	14.06	277314	15.55
04	PR132-S12-047072-20251016	213175	11.41	243369	14.06	287324	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.: Q3376

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

Lab File ID: BG064600.D Time Analyzed: 13:45

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	28654	8.219	112694	11.05	87446	14.84
	UPPER LIMIT	57308	8.719	225388	11.545	174892	15.341
	LOWER LIMIT	14327	7.719	56347	10.545	43723	14.341
	EPA SAMPLE NO.						
01	PR132-S12-020047-20251016	37243	8.22	140181	11.04	106965	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.: Q3376

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

Lab File ID: BG064600.D Time Analyzed: 13:45

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	216707	17.573	273944	21.85	304830	25.187
	UPPER LIMIT	433414	18.073	547888	22.35	609660	25.687
	LOWER LIMIT	108354	17.073	136972	21.35	152415	24.687
	EPA SAMPLE NO.						
01	PR132-S12-020047-20251016	249913	17.58	291786	21.85	320360	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
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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:	PB170180BL	SDG No.:	Q3376
Lab Sample ID:	PB170180BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

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	10/22/25 10:54	PB170180
108-95-2	Phenol	170	U	1	22.1	170	ug/Kg	10/22/25 10:54	PB170180
111-44-4	bis(2-Chloroethyl)ether	170	U	1	24.3	170	ug/Kg	10/22/25 10:54	PB170180
95-57-8	2-Chlorophenol	170	U	1	24.4	170	ug/Kg	10/22/25 10:54	PB170180
95-48-7	2-Methylphenol	170	U	1	29.9	170	ug/Kg	10/22/25 10:54	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	1	37.5	170	ug/Kg	10/22/25 10:54	PB170180
98-86-2	Acetophenone	170	U	1	29.5	170	ug/Kg	10/22/25 10:54	PB170180
65794-96-9	3+4-Methylphenols	330	U	1	41.1	330	ug/Kg	10/22/25 10:54	PB170180
621-64-7	n-Nitroso-di-n-propylamine	79.9	U	1	47.4	79.9	ug/Kg	10/22/25 10:54	PB170180
67-72-1	Hexachloroethane	170	U	1	17.6	170	ug/Kg	10/22/25 10:54	PB170180
98-95-3	Nitrobenzene	170	U	1	18.3	170	ug/Kg	10/22/25 10:54	PB170180
78-59-1	Isophorone	170	U	1	32.8	170	ug/Kg	10/22/25 10:54	PB170180
88-75-5	2-Nitrophenol	170	U	1	58.2	170	ug/Kg	10/22/25 10:54	PB170180
105-67-9	2,4-Dimethylphenol	170	U	1	64.8	170	ug/Kg	10/22/25 10:54	PB170180
111-91-1	bis(2-Chloroethoxy)methane	170	U	1	30.8	170	ug/Kg	10/22/25 10:54	PB170180
120-83-2	2,4-Dichlorophenol	170	U	1	28.3	170	ug/Kg	10/22/25 10:54	PB170180
91-20-3	Naphthalene	170	U	1	22.7	170	ug/Kg	10/22/25 10:54	PB170180
106-47-8	4-Chloroaniline	170	U	1	35.4	170	ug/Kg	10/22/25 10:54	PB170180
87-68-3	Hexachlorobutadiene	170	U	1	25.3	170	ug/Kg	10/22/25 10:54	PB170180
105-60-2	Caprolactam	330	U	1	52.1	330	ug/Kg	10/22/25 10:54	PB170180
59-50-7	4-Chloro-3-methylphenol	170	U	1	28.7	170	ug/Kg	10/22/25 10:54	PB170180
91-57-6	2-Methylnaphthalene	170	U	1	25.6	170	ug/Kg	10/22/25 10:54	PB170180
77-47-4	Hexachlorocyclopentadiene	330	U	1	120	330	ug/Kg	10/22/25 10:54	PB170180
88-06-2	2,4,6-Trichlorophenol	170	U	1	19.8	170	ug/Kg	10/22/25 10:54	PB170180
95-95-4	2,4,5-Trichlorophenol	170	U	1	29.1	170	ug/Kg	10/22/25 10:54	PB170180
92-52-4	1,1-Biphenyl	170	U	1	21.8	170	ug/Kg	10/22/25 10:54	PB170180
91-58-7	2-Chloronaphthalene	170	U	1	22.5	170	ug/Kg	10/22/25 10:54	PB170180
88-74-4	2-Nitroaniline	170	U	1	48.1	170	ug/Kg	10/22/25 10:54	PB170180
131-11-3	Dimethylphthalate	170	U	1	27.1	170	ug/Kg	10/22/25 10:54	PB170180
208-96-8	Acenaphthylene	170	U	1	28.9	170	ug/Kg	10/22/25 10:54	PB170180
606-20-2	2,6-Dinitrotoluene	170	U	1	33.6	170	ug/Kg	10/22/25 10:54	PB170180
99-09-2	3-Nitroaniline	170	U	1	46.0	170	ug/Kg	10/22/25 10:54	PB170180
83-32-9	Acenaphthene	170	U	1	21.3	170	ug/Kg	10/22/25 10:54	PB170180
51-28-5	2,4-Dinitrophenol	330	U	1	230	330	ug/Kg	10/22/25 10:54	PB170180
100-02-7	4-Nitrophenol	330	U	1	110	330	ug/Kg	10/22/25 10:54	PB170180
132-64-9	Dibenzofuran	170	U	1	22.7	170	ug/Kg	10/22/25 10:54	PB170180
121-14-2	2,4-Dinitrotoluene	170	U	1	50.1	170	ug/Kg	10/22/25 10:54	PB170180
84-66-2	Diethylphthalate	170	U	1	28.3	170	ug/Kg	10/22/25 10:54	PB170180
7005-72-3	4-Chlorophenyl-phenylether	170	U	1	26.7	170	ug/Kg	10/22/25 10:54	PB170180
86-73-7	Fluorene	170	U	1	25.3	170	ug/Kg	10/22/25 10:54	PB170180
100-01-6	4-Nitroaniline	170	U	1	64.2	170	ug/Kg	10/22/25 10:54	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	330	U	1	100	330	ug/Kg	10/22/25 10:54	PB170180

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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:	PB170180BL	SDG No.:	Q3376
Lab Sample ID:	PB170180BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

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	10/22/25 10:54	PB170180
101-55-3	4-Bromophenyl-phenylether	170	U	1	27.8	170	ug/Kg	10/22/25 10:54	PB170180
118-74-1	Hexachlorobenzene	170	U	1	25.3	170	ug/Kg	10/22/25 10:54	PB170180
1912-24-9	Atrazine	170	U	1	34.0	170	ug/Kg	10/22/25 10:54	PB170180
87-86-5	Pentachlorophenol	330	U	1	51.3	330	ug/Kg	10/22/25 10:54	PB170180
85-01-8	Phenanthrene	170	U	1	20.9	170	ug/Kg	10/22/25 10:54	PB170180
120-12-7	Anthracene	170	U	1	33.3	170	ug/Kg	10/22/25 10:54	PB170180
86-74-8	Carbazole	170	U	1	31.2	170	ug/Kg	10/22/25 10:54	PB170180
84-74-2	Di-n-butylphthalate	170	U	1	47.9	170	ug/Kg	10/22/25 10:54	PB170180
206-44-0	Fluoranthene	170	U	1	30.0	170	ug/Kg	10/22/25 10:54	PB170180
129-00-0	Pyrene	170	U	1	36.0	170	ug/Kg	10/22/25 10:54	PB170180
85-68-7	Butylbenzylphthalate	170	U	1	71.4	170	ug/Kg	10/22/25 10:54	PB170180
91-94-1	3,3-Dichlorobenzidine	330	U	1	36.7	330	ug/Kg	10/22/25 10:54	PB170180
56-55-3	Benzo(a)anthracene	170	U	1	23.0	170	ug/Kg	10/22/25 10:54	PB170180
218-01-9	Chrysene	170	U	1	19.9	170	ug/Kg	10/22/25 10:54	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	1	59.2	170	ug/Kg	10/22/25 10:54	PB170180
117-84-0	Di-n-octyl phthalate	330	U	1	86.7	330	ug/Kg	10/22/25 10:54	PB170180
205-99-2	Benzo(b)fluoranthene	170	U	1	19.0	170	ug/Kg	10/22/25 10:54	PB170180
207-08-9	Benzo(k)fluoranthene	170	U	1	22.4	170	ug/Kg	10/22/25 10:54	PB170180
50-32-8	Benzo(a)pyrene	170	U	1	29.5	170	ug/Kg	10/22/25 10:54	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	1	29.1	170	ug/Kg	10/22/25 10:54	PB170180
53-70-3	Dibenzo(a,h)anthracene	170	U	1	27.4	170	ug/Kg	10/22/25 10:54	PB170180
191-24-2	Benzo(g,h,i)perylene	170	U	1	25.7	170	ug/Kg	10/22/25 10:54	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	1	25.6	170	ug/Kg	10/22/25 10:54	PB170180
123-91-1	1,4-Dioxane	170	U	1	45.2	170	ug/Kg	10/22/25 10:54	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	1	27.4	170	ug/Kg	10/22/25 10:54	PB170180
SURROGATES									
367-12-4	2-Fluorophenol	130			18 - 112	86%	SPK: 150		
13127-88-3	Phenol-d6	128			15 - 107	85%	SPK: 150		
4165-60-0	Nitrobenzene-d5	97.5			18 - 107	98%	SPK: 100		
321-60-8	2-Fluorobiphenyl	86.5			20 - 109	86%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	136			10 - 116	91%	SPK: 150		
1718-51-0	Terphenyl-d14	102			10 - 105	102%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	133000							
1146-65-2	Naphthalene-d8	516000							
15067-26-2	Acenaphthene-d10	278000							
1517-22-2	Phenanthrene-d10	478000							
1719-03-5	Chrysene-d12	256000							
1520-96-3	Perylene-d12	255000							

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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:	PB170180BL	SDG No.:	Q3376
Lab Sample ID:	PB170180BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

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:	PB170180BS	SDG No.:	Q3376
Lab Sample ID:	PB170180BS	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 :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	880		1	160	330	ug/Kg	10/22/25 11:23	PB170180
108-95-2	Phenol	1400		1	22.1	170	ug/Kg	10/22/25 11:23	PB170180
111-44-4	bis(2-Chloroethyl)ether	1500		1	24.3	170	ug/Kg	10/22/25 11:23	PB170180
95-57-8	2-Chlorophenol	1500		1	24.4	170	ug/Kg	10/22/25 11:23	PB170180
95-48-7	2-Methylphenol	1500		1	29.9	170	ug/Kg	10/22/25 11:23	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	1500		1	37.5	170	ug/Kg	10/22/25 11:23	PB170180
98-86-2	Acetophenone	1600		1	29.5	170	ug/Kg	10/22/25 11:23	PB170180
65794-96-9	3+4-Methylphenols	1400		1	41.1	330	ug/Kg	10/22/25 11:23	PB170180
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	79.9	ug/Kg	10/22/25 11:23	PB170180
67-72-1	Hexachloroethane	1500		1	17.6	170	ug/Kg	10/22/25 11:23	PB170180
98-95-3	Nitrobenzene	1500		1	18.3	170	ug/Kg	10/22/25 11:23	PB170180
78-59-1	Isophorone	1500		1	32.8	170	ug/Kg	10/22/25 11:23	PB170180
88-75-5	2-Nitrophenol	1800		1	58.1	170	ug/Kg	10/22/25 11:23	PB170180
105-67-9	2,4-Dimethylphenol	1600		1	64.7	170	ug/Kg	10/22/25 11:23	PB170180
111-91-1	bis(2-Chloroethoxy)methane	1500		1	30.8	170	ug/Kg	10/22/25 11:23	PB170180
120-83-2	2,4-Dichlorophenol	1400		1	28.3	170	ug/Kg	10/22/25 11:23	PB170180
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	10/22/25 11:23	PB170180
106-47-8	4-Chloroaniline	780		1	35.4	170	ug/Kg	10/22/25 11:23	PB170180
87-68-3	Hexachlorobutadiene	1500		1	25.3	170	ug/Kg	10/22/25 11:23	PB170180
105-60-2	Caprolactam	1500		1	52.0	330	ug/Kg	10/22/25 11:23	PB170180
59-50-7	4-Chloro-3-methylphenol	1400		1	28.7	170	ug/Kg	10/22/25 11:23	PB170180
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/22/25 11:23	PB170180
77-47-4	Hexachlorocyclopentadiene	3300	E	1	120	330	ug/Kg	10/22/25 11:23	PB170180
88-06-2	2,4,6-Trichlorophenol	1500		1	19.8	170	ug/Kg	10/22/25 11:23	PB170180
95-95-4	2,4,5-Trichlorophenol	1400		1	29.1	170	ug/Kg	10/22/25 11:23	PB170180
92-52-4	1,1-Biphenyl	1600		1	21.8	170	ug/Kg	10/22/25 11:23	PB170180
91-58-7	2-Chloronaphthalene	1500		1	22.5	170	ug/Kg	10/22/25 11:23	PB170180
88-74-4	2-Nitroaniline	1600		1	48.1	170	ug/Kg	10/22/25 11:23	PB170180
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	10/22/25 11:23	PB170180
208-96-8	Acenaphthylene	1700		1	28.9	170	ug/Kg	10/22/25 11:23	PB170180
606-20-2	2,6-Dinitrotoluene	1800		1	33.6	170	ug/Kg	10/22/25 11:23	PB170180
99-09-2	3-Nitroaniline	1100		1	46.0	170	ug/Kg	10/22/25 11:23	PB170180
83-32-9	Acenaphthene	1500		1	21.3	170	ug/Kg	10/22/25 11:23	PB170180
51-28-5	2,4-Dinitrophenol	2600		1	230	330	ug/Kg	10/22/25 11:23	PB170180
100-02-7	4-Nitrophenol	2600		1	110	330	ug/Kg	10/22/25 11:23	PB170180
132-64-9	Dibenzofuran	1400		1	22.7	170	ug/Kg	10/22/25 11:23	PB170180
121-14-2	2,4-Dinitrotoluene	1700		1	50.0	170	ug/Kg	10/22/25 11:23	PB170180
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/22/25 11:23	PB170180
7005-72-3	4-Chlorophenyl-phenylether	1500		1	26.7	170	ug/Kg	10/22/25 11:23	PB170180
86-73-7	Fluorene	1500		1	25.3	170	ug/Kg	10/22/25 11:23	PB170180
100-01-6	4-Nitroaniline	1500		1	64.1	170	ug/Kg	10/22/25 11:23	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	100	330	ug/Kg	10/22/25 11:23	PB170180

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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:	PB170180BS	SDG No.:	Q3376
Lab Sample ID:	PB170180BS	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 :	SW3510C Prep Date: 10/21/25		

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	10/22/25 11:23	PB170180
101-55-3	4-Bromophenyl-phenylether	1500		1	27.8	170	ug/Kg	10/22/25 11:23	PB170180
118-74-1	Hexachlorobenzene	1400		1	25.3	170	ug/Kg	10/22/25 11:23	PB170180
1912-24-9	Atrazine	1600		1	34.0	170	ug/Kg	10/22/25 11:23	PB170180
87-86-5	Pentachlorophenol	2400		1	51.2	330	ug/Kg	10/22/25 11:23	PB170180
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	10/22/25 11:23	PB170180
120-12-7	Anthracene	1500		1	33.3	170	ug/Kg	10/22/25 11:23	PB170180
86-74-8	Carbazole	1500		1	31.2	170	ug/Kg	10/22/25 11:23	PB170180
84-74-2	Di-n-butylphthalate	1500		1	47.9	170	ug/Kg	10/22/25 11:23	PB170180
206-44-0	Fluoranthene	1400		1	30.0	170	ug/Kg	10/22/25 11:23	PB170180
129-00-0	Pyrene	1600		1	36.0	170	ug/Kg	10/22/25 11:23	PB170180
85-68-7	Butylbenzylphthalate	1700		1	71.3	170	ug/Kg	10/22/25 11:23	PB170180
91-94-1	3,3-Dichlorobenzidine	1100		1	36.7	330	ug/Kg	10/22/25 11:23	PB170180
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	10/22/25 11:23	PB170180
218-01-9	Chrysene	1600		1	19.9	170	ug/Kg	10/22/25 11:23	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	1600		1	59.1	170	ug/Kg	10/22/25 11:23	PB170180
117-84-0	Di-n-octyl phthalate	1600		1	86.7	330	ug/Kg	10/22/25 11:23	PB170180
205-99-2	Benzo(b)fluoranthene	1400		1	19.0	170	ug/Kg	10/22/25 11:23	PB170180
207-08-9	Benzo(k)fluoranthene	1400		1	22.4	170	ug/Kg	10/22/25 11:23	PB170180
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	10/22/25 11:23	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	1900		1	29.1	170	ug/Kg	10/22/25 11:23	PB170180
53-70-3	Dibenzo(a,h)anthracene	1900		1	27.4	170	ug/Kg	10/22/25 11:23	PB170180
191-24-2	Benzo(g,h,i)perylene	1900		1	25.7	170	ug/Kg	10/22/25 11:23	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		1	25.6	170	ug/Kg	10/22/25 11:23	PB170180
123-91-1	1,4-Dioxane	1300		1	45.2	170	ug/Kg	10/22/25 11:23	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	1500		1	27.4	170	ug/Kg	10/22/25 11:23	PB170180
SURROGATES									
367-12-4	2-Fluorophenol	116			18 - 112	78%	SPK: 150		
13127-88-3	Phenol-d6	118			15 - 107	79%	SPK: 150		
4165-60-0	Nitrobenzene-d5	87.1			18 - 107	87%	SPK: 100		
321-60-8	2-Fluorobiphenyl	79.6			20 - 109	80%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	127			10 - 116	85%	SPK: 150		
1718-51-0	Terphenyl-d14	95.9			10 - 105	96%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	120000							
1146-65-2	Naphthalene-d8	460000							
15067-26-2	Acenaphthene-d10	247000							
1517-22-2	Phenanthrene-d10	410000							
1719-03-5	Chrysene-d12	219000							
1520-96-3	Perylene-d12	214000							

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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:	PB170180BS	SDG No.:	Q3376
Lab Sample ID:	PB170180BS	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 :	SW3510C Prep Date: 10/21/25		

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:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LBMS	SDG No.:	Q3376
Lab Sample ID:	Q3402-07MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	65.9
Sample Wt/Vol:	50.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	840		1	140	300	ug/Kg	10/21/25 19:28	PB170180
108-95-2	Phenol	1500		1	20.1	150	ug/Kg	10/21/25 19:28	PB170180
111-44-4	bis(2-Chloroethyl)ether	1500		1	22.1	150	ug/Kg	10/21/25 19:28	PB170180
95-57-8	2-Chlorophenol	1500		1	22.2	150	ug/Kg	10/21/25 19:28	PB170180
95-48-7	2-Methylphenol	1400		1	27.2	150	ug/Kg	10/21/25 19:28	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	1500		1	34.1	150	ug/Kg	10/21/25 19:28	PB170180
98-86-2	Acetophenone	1600		1	26.9	150	ug/Kg	10/21/25 19:28	PB170180
65794-96-9	3+4-Methylphenols	1400		1	37.4	300	ug/Kg	10/21/25 19:28	PB170180
621-64-7	n-Nitroso-di-n-propylamine	1400		1	43.1	72.8	ug/Kg	10/21/25 19:28	PB170180
67-72-1	Hexachloroethane	1400		1	16.0	150	ug/Kg	10/21/25 19:28	PB170180
98-95-3	Nitrobenzene	1500		1	16.7	150	ug/Kg	10/21/25 19:28	PB170180
78-59-1	Isophorone	1400		1	29.9	150	ug/Kg	10/21/25 19:28	PB170180
88-75-5	2-Nitrophenol	1700		1	53.0	150	ug/Kg	10/21/25 19:28	PB170180
105-67-9	2,4-Dimethylphenol	1600		1	59.0	150	ug/Kg	10/21/25 19:28	PB170180
111-91-1	bis(2-Chloroethoxy)methane	1500		1	28.0	150	ug/Kg	10/21/25 19:28	PB170180
120-83-2	2,4-Dichlorophenol	1400		1	25.8	150	ug/Kg	10/21/25 19:28	PB170180
91-20-3	Naphthalene	1500		1	20.7	150	ug/Kg	10/21/25 19:28	PB170180
106-47-8	4-Chloroaniline	550		1	32.2	150	ug/Kg	10/21/25 19:28	PB170180
87-68-3	Hexachlorobutadiene	1400		1	23.0	150	ug/Kg	10/21/25 19:28	PB170180
105-60-2	Caprolactam	1500		1	47.4	300	ug/Kg	10/21/25 19:28	PB170180
59-50-7	4-Chloro-3-methylphenol	1400		1	26.1	150	ug/Kg	10/21/25 19:28	PB170180
91-57-6	2-Methylnaphthalene	1300		1	23.3	150	ug/Kg	10/21/25 19:28	PB170180
77-47-4	Hexachlorocyclopentadiene	3200	E	1	110	300	ug/Kg	10/21/25 19:28	PB170180
88-06-2	2,4,6-Trichlorophenol	1500		1	18.0	150	ug/Kg	10/21/25 19:28	PB170180
95-95-4	2,4,5-Trichlorophenol	1500		1	26.5	150	ug/Kg	10/21/25 19:28	PB170180
92-52-4	1,1-Biphenyl	1700		1	19.8	150	ug/Kg	10/21/25 19:28	PB170180
91-58-7	2-Chloronaphthalene	1600		1	20.5	150	ug/Kg	10/21/25 19:28	PB170180
88-74-4	2-Nitroaniline	1700		1	43.8	150	ug/Kg	10/21/25 19:28	PB170180
131-11-3	Dimethylphthalate	1600		1	24.7	150	ug/Kg	10/21/25 19:28	PB170180
208-96-8	Acenaphthylene	1700		1	26.3	150	ug/Kg	10/21/25 19:28	PB170180
606-20-2	2,6-Dinitrotoluene	1800		1	30.6	150	ug/Kg	10/21/25 19:28	PB170180
99-09-2	3-Nitroaniline	1100		1	41.9	150	ug/Kg	10/21/25 19:28	PB170180
83-32-9	Acenaphthene	1500		1	19.4	150	ug/Kg	10/21/25 19:28	PB170180
51-28-5	2,4-Dinitrophenol	2300		1	210	300	ug/Kg	10/21/25 19:28	PB170180
100-02-7	4-Nitrophenol	2600	E	1	97.4	300	ug/Kg	10/21/25 19:28	PB170180
132-64-9	Dibenzofuran	1500		1	20.7	150	ug/Kg	10/21/25 19:28	PB170180
121-14-2	2,4-Dinitrotoluene	1700		1	45.6	150	ug/Kg	10/21/25 19:28	PB170180
84-66-2	Diethylphthalate	1500		1	25.8	150	ug/Kg	10/21/25 19:28	PB170180
7005-72-3	4-Chlorophenyl-phenylether	1400		1	24.3	150	ug/Kg	10/21/25 19:28	PB170180
86-73-7	Fluorene	1500		1	23.0	150	ug/Kg	10/21/25 19:28	PB170180
100-01-6	4-Nitroaniline	1400		1	58.4	150	ug/Kg	10/21/25 19:28	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	1700		1	93.8	300	ug/Kg	10/21/25 19:28	PB170180

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LBMS	SDG No.:	Q3376
Lab Sample ID:	Q3402-07MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	65.9
Sample Wt/Vol:	50.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1700		1	29.9	150	ug/Kg	10/21/25 19:28	PB170180
101-55-3	4-Bromophenyl-phenylether	1500		1	25.3	150	ug/Kg	10/21/25 19:28	PB170180
118-74-1	Hexachlorobenzene	1500		1	23.0	150	ug/Kg	10/21/25 19:28	PB170180
1912-24-9	Atrazine	1600		1	30.9	150	ug/Kg	10/21/25 19:28	PB170180
87-86-5	Pentachlorophenol	2500	E	1	46.7	300	ug/Kg	10/21/25 19:28	PB170180
85-01-8	Phenanthrene	1600		1	19.0	150	ug/Kg	10/21/25 19:28	PB170180
120-12-7	Anthracene	1600		1	30.3	150	ug/Kg	10/21/25 19:28	PB170180
86-74-8	Carbazole	1500		1	28.4	150	ug/Kg	10/21/25 19:28	PB170180
84-74-2	Di-n-butylphthalate	1600		1	43.6	150	ug/Kg	10/21/25 19:28	PB170180
206-44-0	Fluoranthene	1600		1	27.3	150	ug/Kg	10/21/25 19:28	PB170180
129-00-0	Pyrene	1200		1	32.8	150	ug/Kg	10/21/25 19:28	PB170180
85-68-7	Butylbenzylphthalate	1500		1	65.0	150	ug/Kg	10/21/25 19:28	PB170180
91-94-1	3,3-Dichlorobenzidine	1400		1	33.4	300	ug/Kg	10/21/25 19:28	PB170180
56-55-3	Benzo(a)anthracene	1600		1	20.9	150	ug/Kg	10/21/25 19:28	PB170180
218-01-9	Chrysene	1600		1	18.1	150	ug/Kg	10/21/25 19:28	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	1800		1	53.9	150	ug/Kg	10/21/25 19:28	PB170180
117-84-0	Di-n-octyl phthalate	2100		1	79.0	300	ug/Kg	10/21/25 19:28	PB170180
205-99-2	Benzo(b)fluoranthene	1500		1	17.3	150	ug/Kg	10/21/25 19:28	PB170180
207-08-9	Benzo(k)fluoranthene	1400		1	20.4	150	ug/Kg	10/21/25 19:28	PB170180
50-32-8	Benzo(a)pyrene	1600		1	26.9	150	ug/Kg	10/21/25 19:28	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	26.5	150	ug/Kg	10/21/25 19:28	PB170180
53-70-3	Dibenzo(a,h)anthracene	1500		1	24.9	150	ug/Kg	10/21/25 19:28	PB170180
191-24-2	Benzo(g,h,i)perylene	1400		1	23.4	150	ug/Kg	10/21/25 19:28	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		1	23.3	150	ug/Kg	10/21/25 19:28	PB170180
123-91-1	1,4-Dioxane	1400		1	41.1	150	ug/Kg	10/21/25 19:28	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	1400		1	24.9	150	ug/Kg	10/21/25 19:28	PB170180
SURROGATES									
367-12-4	2-Fluorophenol	95.0			18 - 112	63%	SPK: 150		
13127-88-3	Phenol-d6	93.4			15 - 107	62%	SPK: 150		
4165-60-0	Nitrobenzene-d5	63.3			18 - 107	63%	SPK: 100		
321-60-8	2-Fluorobiphenyl	46.5			20 - 109	46%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	75.3			10 - 116	50%	SPK: 150		
1718-51-0	Terphenyl-d14	33.9			10 - 105	34%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	97900							
1146-65-2	Naphthalene-d8	362000							
15067-26-2	Acenaphthene-d10	172000							
1517-22-2	Phenanthrene-d10	252000							
1719-03-5	Chrysene-d12	216000							
1520-96-3	Perylene-d12	288000							

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Report of Analysis

Client:	AECOM	Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LBMS	SDG No.:	Q3376
Lab Sample ID:	Q3402-07MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	65.9
Sample Wt/Vol:	50.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

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:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LBMSD	SDG No.:	Q3376
Lab Sample ID:	Q3402-07MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	65.9
Sample Wt/Vol:	50.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	850		1	140	300	ug/Kg	10/21/25 19:58	PB170180
108-95-2	Phenol	1500		1	20.1	150	ug/Kg	10/21/25 19:58	PB170180
111-44-4	bis(2-Chloroethyl)ether	1500		1	22.1	150	ug/Kg	10/21/25 19:58	PB170180
95-57-8	2-Chlorophenol	1500		1	22.2	150	ug/Kg	10/21/25 19:58	PB170180
95-48-7	2-Methylphenol	1400		1	27.2	150	ug/Kg	10/21/25 19:58	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	1400		1	34.1	150	ug/Kg	10/21/25 19:58	PB170180
98-86-2	Acetophenone	1600		1	26.8	150	ug/Kg	10/21/25 19:58	PB170180
65794-96-9	3+4-Methylphenols	1400		1	37.4	300	ug/Kg	10/21/25 19:58	PB170180
621-64-7	n-Nitroso-di-n-propylamine	1400		1	43.1	72.7	ug/Kg	10/21/25 19:58	PB170180
67-72-1	Hexachloroethane	1500		1	16.0	150	ug/Kg	10/21/25 19:58	PB170180
98-95-3	Nitrobenzene	1600		1	16.6	150	ug/Kg	10/21/25 19:58	PB170180
78-59-1	Isophorone	1400		1	29.8	150	ug/Kg	10/21/25 19:58	PB170180
88-75-5	2-Nitrophenol	1700		1	52.9	150	ug/Kg	10/21/25 19:58	PB170180
105-67-9	2,4-Dimethylphenol	1600		1	58.9	150	ug/Kg	10/21/25 19:58	PB170180
111-91-1	bis(2-Chloroethoxy)methane	1500		1	28.0	150	ug/Kg	10/21/25 19:58	PB170180
120-83-2	2,4-Dichlorophenol	1400		1	25.7	150	ug/Kg	10/21/25 19:58	PB170180
91-20-3	Naphthalene	1400		1	20.6	150	ug/Kg	10/21/25 19:58	PB170180
106-47-8	4-Chloroaniline	580		1	32.2	150	ug/Kg	10/21/25 19:58	PB170180
87-68-3	Hexachlorobutadiene	1400		1	23.0	150	ug/Kg	10/21/25 19:58	PB170180
105-60-2	Caprolactam	1500		1	47.4	300	ug/Kg	10/21/25 19:58	PB170180
59-50-7	4-Chloro-3-methylphenol	1400		1	26.1	150	ug/Kg	10/21/25 19:58	PB170180
91-57-6	2-Methylnaphthalene	1300		1	23.3	150	ug/Kg	10/21/25 19:58	PB170180
77-47-4	Hexachlorocyclopentadiene	3100	E	1	110	300	ug/Kg	10/21/25 19:58	PB170180
88-06-2	2,4,6-Trichlorophenol	1500		1	18.0	150	ug/Kg	10/21/25 19:58	PB170180
95-95-4	2,4,5-Trichlorophenol	1500		1	26.5	150	ug/Kg	10/21/25 19:58	PB170180
92-52-4	1,1-Biphenyl	1600		1	19.8	150	ug/Kg	10/21/25 19:58	PB170180
91-58-7	2-Chloronaphthalene	1500		1	20.5	150	ug/Kg	10/21/25 19:58	PB170180
88-74-4	2-Nitroaniline	1600		1	43.7	150	ug/Kg	10/21/25 19:58	PB170180
131-11-3	Dimethylphthalate	1500		1	24.6	150	ug/Kg	10/21/25 19:58	PB170180
208-96-8	Acenaphthylene	1700		1	26.3	150	ug/Kg	10/21/25 19:58	PB170180
606-20-2	2,6-Dinitrotoluene	1700		1	30.5	150	ug/Kg	10/21/25 19:58	PB170180
99-09-2	3-Nitroaniline	1100		1	41.8	150	ug/Kg	10/21/25 19:58	PB170180
83-32-9	Acenaphthene	1500		1	19.4	150	ug/Kg	10/21/25 19:58	PB170180
51-28-5	2,4-Dinitrophenol	2400		1	210	300	ug/Kg	10/21/25 19:58	PB170180
100-02-7	4-Nitrophenol	2500	E	1	97.3	300	ug/Kg	10/21/25 19:58	PB170180
132-64-9	Dibenzofuran	1400		1	20.6	150	ug/Kg	10/21/25 19:58	PB170180
121-14-2	2,4-Dinitrotoluene	1600		1	45.5	150	ug/Kg	10/21/25 19:58	PB170180
84-66-2	Diethylphthalate	1400		1	25.7	150	ug/Kg	10/21/25 19:58	PB170180
7005-72-3	4-Chlorophenyl-phenylether	1400		1	24.3	150	ug/Kg	10/21/25 19:58	PB170180
86-73-7	Fluorene	1400		1	23.0	150	ug/Kg	10/21/25 19:58	PB170180
100-01-6	4-Nitroaniline	1400		1	58.4	150	ug/Kg	10/21/25 19:58	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	93.6	300	ug/Kg	10/21/25 19:58	PB170180

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Report of Analysis

Client:	AECOM	Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LBMSD	SDG No.:	Q3376
Lab Sample ID:	Q3402-07MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	65.9
Sample Wt/Vol:	50.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1700		1	29.9	150	ug/Kg	10/21/25 19:58	PB170180
101-55-3	4-Bromophenyl-phenylether	1500		1	25.3	150	ug/Kg	10/21/25 19:58	PB170180
118-74-1	Hexachlorobenzene	1400		1	23.0	150	ug/Kg	10/21/25 19:58	PB170180
1912-24-9	Atrazine	1600		1	30.9	150	ug/Kg	10/21/25 19:58	PB170180
87-86-5	Pentachlorophenol	2600	E	1	46.6	300	ug/Kg	10/21/25 19:58	PB170180
85-01-8	Phenanthrene	1500		1	19.0	150	ug/Kg	10/21/25 19:58	PB170180
120-12-7	Anthracene	1500		1	30.3	150	ug/Kg	10/21/25 19:58	PB170180
86-74-8	Carbazole	1500		1	28.4	150	ug/Kg	10/21/25 19:58	PB170180
84-74-2	Di-n-butylphthalate	1600		1	43.5	150	ug/Kg	10/21/25 19:58	PB170180
206-44-0	Fluoranthene	1500		1	27.3	150	ug/Kg	10/21/25 19:58	PB170180
129-00-0	Pyrene	1200		1	32.7	150	ug/Kg	10/21/25 19:58	PB170180
85-68-7	Butylbenzylphthalate	1500		1	64.9	150	ug/Kg	10/21/25 19:58	PB170180
91-94-1	3,3-Dichlorobenzidine	1400		1	33.4	300	ug/Kg	10/21/25 19:58	PB170180
56-55-3	Benzo(a)anthracene	1600		1	20.9	150	ug/Kg	10/21/25 19:58	PB170180
218-01-9	Chrysene	1600		1	18.1	150	ug/Kg	10/21/25 19:58	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	1700		1	53.8	150	ug/Kg	10/21/25 19:58	PB170180
117-84-0	Di-n-octyl phthalate	2000		1	78.9	300	ug/Kg	10/21/25 19:58	PB170180
205-99-2	Benzo(b)fluoranthene	1500		1	17.3	150	ug/Kg	10/21/25 19:58	PB170180
207-08-9	Benzo(k)fluoranthene	1400		1	20.4	150	ug/Kg	10/21/25 19:58	PB170180
50-32-8	Benzo(a)pyrene	1600		1	26.8	150	ug/Kg	10/21/25 19:58	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	26.5	150	ug/Kg	10/21/25 19:58	PB170180
53-70-3	Dibenzo(a,h)anthracene	1500		1	24.9	150	ug/Kg	10/21/25 19:58	PB170180
191-24-2	Benzo(g,h,i)perylene	1400		1	23.4	150	ug/Kg	10/21/25 19:58	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		1	23.3	150	ug/Kg	10/21/25 19:58	PB170180
123-91-1	1,4-Dioxane	1300		1	41.1	150	ug/Kg	10/21/25 19:58	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	1400		1	24.9	150	ug/Kg	10/21/25 19:58	PB170180
SURROGATES									
367-12-4	2-Fluorophenol	92.9			18 - 112	62%	SPK: 150		
13127-88-3	Phenol-d6	91.9			15 - 107	61%	SPK: 150		
4165-60-0	Nitrobenzene-d5	62.7			18 - 107	63%	SPK: 100		
321-60-8	2-Fluorobiphenyl	43.7			20 - 109	44%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	75.1			10 - 116	50%	SPK: 150		
1718-51-0	Terphenyl-d14	34.4			10 - 105	34%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	106000							
1146-65-2	Naphthalene-d8	388000							
15067-26-2	Acenaphthene-d10	194000							
1517-22-2	Phenanthrene-d10	287000							
1719-03-5	Chrysene-d12	224000							
1520-96-3	Perylene-d12	293000							

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Report of Analysis

Client:	AECOM	Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LBMSD	SDG No.:	Q3376
Lab Sample ID:	Q3402-07MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	65.9
Sample Wt/Vol:	50.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

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-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Oct 06 15:29:47 2025
Response Via : Initial Calibration

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

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

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

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

(#) = Out of Range

Response Factor Report GC/MS Ins

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

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3376

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

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

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

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

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

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3376

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

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

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

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

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

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3376

Instrument ID: BNA_F Calibration Date/Time: 10/22/2025 10:25

Lab File ID: BF144032.D Init. Calib. Date(s): 10/06/2025 10/06/2025

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.263		0.3	
Benzaldehyde	1.158	1.176		1.6	
Phenol-d6	1.501	1.459		-2.8	
Phenol	1.795	1.838		2.4	20.0
bis(2-Chloroethyl)ether	1.386	1.342		-3.2	
2-Chlorophenol	1.231	1.205		-2.1	
2-Methylphenol	1.017	0.970		-4.6	
2,2-oxybis(1-Chloropropane)	3.156	3.068		-2.8	
Acetophenone	0.423	0.389		-8.0	
3+4-Methylphenols	1.179	1.144		-3.0	
n-Nitroso-di-n-propylamine	1.028	0.930	0.050	-9.5	
Nitrobenzene-d5	0.329	0.331		0.6	
Hexachloroethane	0.485	0.469		-3.3	
Nitrobenzene	0.366	0.366		0.0	
Isophorone	0.694	0.630		-9.2	
2-Nitrophenol	0.157	0.173		10.2	20.0
2,4-Dimethylphenol	0.282	0.273		-3.2	
bis(2-Chloroethoxy)methane	0.438	0.417		-4.8	
2,4-Dichlorophenol	0.294	0.284		-3.4	20.0
Naphthalene	0.910	0.867		-4.7	
4-Chloroaniline	0.341	0.317		-7.0	
Hexachlorobutadiene	0.201	0.185		-8.0	20.0
Caprolactam	0.093	0.078		-16.1	
4-Chloro-3-methylphenol	0.282	0.258		-8.5	20.0
2-Methylnaphthalene	0.606	0.564		-6.9	
Hexachlorocyclopentadiene	0.229	0.198	0.050	-13.5	
2,4,6-Trichlorophenol	0.404	0.385		-4.7	20.0
2-Fluorobiphenyl	1.260	1.173		-6.9	
2,4,5-Trichlorophenol	0.427	0.416		-2.6	
1,1-Biphenyl	1.324	1.285		-2.9	
2-Chloronaphthalene	1.104	1.102		-0.2	
2-Nitroaniline	0.349	0.359		2.9	
Dimethylphthalate	1.270	1.174		-7.6	
Acenaphthylene	1.552	1.488		-4.1	
2,6-Dinitrotoluene	0.236	0.245		3.8	
3-Nitroaniline	0.288	0.288		0.0	
Acenaphthene	1.017	0.988		-2.9	20.0
2,4-Dinitrophenol	0.118	0.150	0.050	27.1	
4-Nitrophenol	0.218	0.221	0.050	1.4	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3376

Instrument ID: BNA_F Calibration Date/Time: 10/22/2025 10:25

Lab File ID: BF144032.D Init. Calib. Date(s): 10/06/2025 10/06/2025

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.436	1.365		-4.9	
2,4-Dinitrotoluene	0.320	0.327		2.2	
Diethylphthalate	1.180	1.076		-8.8	
4-Chlorophenyl-phenylether	0.573	0.537		-6.3	
Fluorene	1.083	1.034		-4.5	
4-Nitroaniline	0.277	0.251		-9.4	
4,6-Dinitro-2-methylphenol	0.101	0.105		4.0	
n-Nitrosodiphenylamine	0.628	0.632		0.6	20.0
2,4,6-Tribromophenol	0.199	0.170		-14.6	
4-Bromophenyl-phenylether	0.221	0.208		-5.9	
Hexachlorobenzene	0.256	0.236		-7.8	
Atrazine	0.190	0.170		-10.5	
Pentachlorophenol	0.147	0.133		-9.5	20.0
Phenanthrene	0.970	0.937		-3.4	
Anthracene	0.980	0.950		-3.1	
Carbazole	0.868	0.813		-6.3	
Di-n-butylphthalate	1.005	0.932		-7.3	
Fluoranthene	1.002	0.880		-12.2	20.0
Pyrene	1.667	1.786		7.1	
Terphenyl-d14	1.170	1.232		5.3	
Butylbenzylphthalate	0.542	0.552		1.8	
3,3-Dichlorobenzidine	0.399	0.405		1.5	
Benzo(a)anthracene	1.309	1.289		-1.5	
Chrysene	1.211	1.219		0.7	
Bis(2-ethylhexyl)phthalate	0.653	0.682		4.4	
Di-n-octyl phthalate	1.072	1.265		18.0	20.0
Benzo(b)fluoranthene	1.149	0.981		-14.6	
Benzo(k)fluoranthene	1.063	0.999		-6.0	
Benzo(a)pyrene	0.996	0.976		-2.0	20.0
Indeno(1,2,3-cd)pyrene	1.225	1.460		19.2	
Dibenzo(a,h)anthracene	0.986	1.180		19.7	
Benzo(g,h,i)perylene	0.986	1.193		21.0	
1,2,4,5-Tetrachlorobenzene	0.553	0.552		-0.2	
1,4-Dioxane	0.583	0.579		-0.7	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.272		-9.9	

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.: Q3376

Instrument ID: BNA_G Calibration Date/Time: 10/28/2025 13:45

Lab File ID: BG064600.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	1.244		4.4	
Benzaldehyde	0.893	0.888		-0.6	
Phenol-d6	1.635	1.675		2.4	
Phenol	1.808	1.888		4.4	20.0
bis(2-Chloroethyl)ether	2.225	2.289		2.9	
2-Chlorophenol	1.247	1.245		-0.2	
2-Methylphenol	0.674	0.680		0.9	
2,2-oxybis(1-Chloropropane)	3.487	3.880		11.3	
Acetophenone	0.547	0.583		6.6	
3+4-Methylphenols	1.688	1.671		-1.0	
n-Nitroso-di-n-propylamine	1.130	1.210	0.050	7.1	
Nitrobenzene-d5	0.333	0.361		8.4	
Hexachloroethane	0.512	0.551		7.6	
Nitrobenzene	0.362	0.392		8.3	
Isophorone	0.799	0.869		8.8	
2-Nitrophenol	0.121	0.135		11.6	20.0
2,4-Dimethylphenol	0.303	0.323		6.6	
bis(2-Chloroethoxy)methane	0.455	0.488		7.3	
2,4-Dichlorophenol	0.320	0.337		5.3	20.0
Naphthalene	1.109	1.185		6.9	
4-Chloroaniline	0.431	0.453		5.1	
Hexachlorobutadiene	0.284	0.301		6.0	20.0
Caprolactam	0.123	0.122		-0.8	
4-Chloro-3-methylphenol	0.384	0.408		6.3	20.0
2-Methylnaphthalene	0.814	0.869		6.8	
Hexachlorocyclopentadiene	0.302	0.327	0.050	8.3	
2,4,6-Trichlorophenol	0.384	0.408		6.3	20.0
2-Fluorobiphenyl	1.319	1.384		4.9	
2,4,5-Trichlorophenol	0.443	0.462		4.3	
1,1-Biphenyl	1.422	1.511		6.3	
2-Chloronaphthalene	1.073	1.142		6.4	
2-Nitroaniline	0.311	0.324		4.2	
Dimethylphthalate	1.530	1.578		3.1	
Acenaphthylene	1.693	1.798		6.2	
2,6-Dinitrotoluene	0.218	0.235		7.8	
3-Nitroaniline	0.263	0.290		10.3	
Acenaphthene	1.157	1.231		6.4	20.0
2,4-Dinitrophenol	0.132	0.158	0.050	19.7	
4-Nitrophenol	0.244	0.261	0.050	7.0	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3376

Instrument ID: BNA_G Calibration Date/Time: 10/28/2025 13:45

Lab File ID: BG064600.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	1.967		5.2	
2,4-Dinitrotoluene	0.340	0.374		10.0	
Diethylphthalate	1.563	1.619		3.6	
4-Chlorophenyl-phenylether	0.820	0.874		6.6	
Fluorene	1.460	1.566		7.3	
4-Nitroaniline	0.293	0.338		15.4	
4,6-Dinitro-2-methylphenol	0.079	0.096		21.5	
n-Nitrosodiphenylamine	0.540	0.566		4.8	20.0
2,4,6-Tribromophenol	0.289	0.305		5.5	
4-Bromophenyl-phenylether	0.237	0.250		5.5	
Hexachlorobenzene	0.270	0.286		5.9	
Atrazine	0.232	0.232		0.0	
Pentachlorophenol	0.169	0.180		6.5	20.0
Phenanthrene	1.094	1.174		7.3	
Anthracene	1.113	1.198		7.6	
Carbazole	0.981	1.064		8.5	
Di-n-butylphthalate	1.135	1.176		3.6	
Fluoranthene	1.370	1.518		10.8	20.0
Pyrene	1.307	1.281		-2.0	
Terphenyl-d14	1.060	1.051		-0.8	
Butylbenzylphthalate	0.395	0.408		3.3	
3,3-Dichlorobenzidine	0.443	0.483		9.0	
Benzo(a)anthracene	1.326	1.430		7.8	
Chrysene	1.262	1.347		6.7	
Bis(2-ethylhexyl)phthalate	0.590	0.618		4.7	
Di-n-octyl phthalate	0.995	1.069		7.4	20.0
Benzo(b)fluoranthene	1.226	1.284		4.7	
Benzo(k)fluoranthene	1.227	1.304		6.3	
Benzo(a)pyrene	1.127	1.201		6.6	20.0
Indeno(1,2,3-cd)pyrene	1.471	1.584		7.7	
Dibenzo(a,h)anthracene	1.195	1.292		8.1	
Benzo(g,h,i)perylene	1.471	1.584		7.7	
1,2,4,5-Tetrachlorobenzene	0.671	0.712		6.1	
1,4-Dioxane	0.528	0.500		-5.3	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.450		6.1	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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LAB CHRONICLE

OrderID:	Q3376	**OrderDate:**	10/17/2025 10:34:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60697095.171208
Contact:	Rob Forstner	**Location:**	Soil,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3376-01	**PR132-S05-057082-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3376-02	**PR132-DP01-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3376-03	**PR132-COMP2-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3376-04	**PR132-S12-047072-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3376-05	**PR132-S12-020047-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			Pesticide-TCL	8081B		10/21/25	10/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3376 **Order ID:** Q3376

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-S05-057082-20251016								
Q3376-01	PR132-S05-057082-2(	SOIL	4,4-DDE	14.0	P	0.26	3.20	ug/kg
Q3376-01	PR132-S05-057082-2(	SOIL	4,4-DDD	2.30	J	0.28	3.20	ug/kg
			Total Concentration:	**16.300**				
Client ID : PR132-DP01-20251016								
Q3376-02	PR132-DP01-2025101	SOIL	4,4-DDE	11.7	P	0.26	3.20	ug/kg
Q3376-02	PR132-DP01-2025101	SOIL	4,4-DDD	2.50	J	0.28	3.20	ug/kg
			Total Concentration:	**14.200**				
Client ID : PR132-COMP2-20251016								
Q3376-03	PR132-COMP2-20251	SOIL	4,4-DDE	1.10	JP	0.27	3.20	ug/kg
			Total Concentration:	**1.100**				
Client ID : PR132-S12-047072-20251016								
Q3376-04	PR132-S12-047072-2(	SOIL	4,4-DDE	6.30		0.27	3.30	ug/kg
			Total Concentration:	**6.300**				
Client ID : PR132-S12-020047-20251016								
Q3376-05	PR132-S12-020047-2(	SOIL	4,4-DDE	0.34	J	0.21	2.50	ug/kg
			Total Concentration:	**0.340**				

SAMPLE DATA

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

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-057082-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	53.5
Sample Wt/Vol:	30.08 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.20	U	1	0.24	3.20	ug/kg	10/21/25 17:35	PB170179
319-85-7	beta-BHC	3.20	U	1	0.34	3.20	ug/kg	10/21/25 17:35	PB170179
319-86-8	delta-BHC	3.20	U	1	0.73	3.20	ug/kg	10/21/25 17:35	PB170179
58-89-9	gamma-BHC (Lindane)	3.20	U	1	0.26	3.20	ug/kg	10/21/25 17:35	PB170179
76-44-8	Heptachlor	3.20	U	1	0.22	3.20	ug/kg	10/21/25 17:35	PB170179
309-00-2	Aldrin	3.20	U	1	0.22	3.20	ug/kg	10/21/25 17:35	PB170179
1024-57-3	Heptachlor epoxide	3.20	U	1	0.35	3.20	ug/kg	10/21/25 17:35	PB170179
959-98-8	Endosulfan I	3.20	U	1	0.26	3.20	ug/kg	10/21/25 17:35	PB170179
60-57-1	Dieldrin	3.20	U	1	0.26	3.20	ug/kg	10/21/25 17:35	PB170179
72-55-9	4,4-DDE	14.0	P	1	0.26	3.20	ug/kg	10/21/25 17:35	PB170179
72-20-8	Endrin	3.20	U	1	0.26	3.20	ug/kg	10/21/25 17:35	PB170179
33213-65-9	Endosulfan II	3.20	U	1	0.54	3.20	ug/kg	10/21/25 17:35	PB170179
72-54-8	4,4-DDD	2.30	J	1	0.28	3.20	ug/kg	10/21/25 17:35	PB170179
1031-07-8	Endosulfan Sulfate	3.20	U	1	0.24	3.20	ug/kg	10/21/25 17:35	PB170179
50-29-3	4,4-DDT	3.20	U	1	0.26	3.20	ug/kg	10/21/25 17:35	PB170179
72-43-5	Methoxychlor	3.20	U	1	0.69	3.20	ug/kg	10/21/25 17:35	PB170179
53494-70-5	Endrin ketone	3.20	U	1	0.35	3.20	ug/kg	10/21/25 17:35	PB170179
7421-93-4	Endrin aldehyde	3.20	U	1	0.69	3.20	ug/kg	10/21/25 17:35	PB170179
5103-71-9	alpha-Chlordane	3.20	U	1	0.22	3.20	ug/kg	10/21/25 17:35	PB170179
5103-74-2	gamma-Chlordane	3.20	U	1	0.28	3.20	ug/kg	10/21/25 17:35	PB170179
8001-35-2	Toxaphene	61.5	U	1	10.1	61.5	ug/kg	10/21/25 17:35	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	13.9			20 - 144	69%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	13.6			19 - 148	68%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP01-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	53.6
Sample Wt/Vol:	30.04 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.20	U	1	0.24	3.20	ug/kg	10/21/25 17:48	PB170179
319-85-7	beta-BHC	3.20	U	1	0.34	3.20	ug/kg	10/21/25 17:48	PB170179
319-86-8	delta-BHC	3.20	U	1	0.73	3.20	ug/kg	10/21/25 17:48	PB170179
58-89-9	gamma-BHC (Lindane)	3.20	U	1	0.26	3.20	ug/kg	10/21/25 17:48	PB170179
76-44-8	Heptachlor	3.20	U	1	0.22	3.20	ug/kg	10/21/25 17:48	PB170179
309-00-2	Aldrin	3.20	U	1	0.22	3.20	ug/kg	10/21/25 17:48	PB170179
1024-57-3	Heptachlor epoxide	3.20	U	1	0.35	3.20	ug/kg	10/21/25 17:48	PB170179
959-98-8	Endosulfan I	3.20	U	1	0.26	3.20	ug/kg	10/21/25 17:48	PB170179
60-57-1	Dieldrin	3.20	U	1	0.26	3.20	ug/kg	10/21/25 17:48	PB170179
72-55-9	4,4-DDE	11.7	P	1	0.26	3.20	ug/kg	10/21/25 17:48	PB170179
72-20-8	Endrin	3.20	U	1	0.26	3.20	ug/kg	10/21/25 17:48	PB170179
33213-65-9	Endosulfan II	3.20	U	1	0.54	3.20	ug/kg	10/21/25 17:48	PB170179
72-54-8	4,4-DDD	2.50	J	1	0.28	3.20	ug/kg	10/21/25 17:48	PB170179
1031-07-8	Endosulfan Sulfate	3.20	U	1	0.24	3.20	ug/kg	10/21/25 17:48	PB170179
50-29-3	4,4-DDT	3.20	U	1	0.26	3.20	ug/kg	10/21/25 17:48	PB170179
72-43-5	Methoxychlor	3.20	U	1	0.69	3.20	ug/kg	10/21/25 17:48	PB170179
53494-70-5	Endrin ketone	3.20	U	1	0.35	3.20	ug/kg	10/21/25 17:48	PB170179
7421-93-4	Endrin aldehyde	3.20	U	1	0.69	3.20	ug/kg	10/21/25 17:48	PB170179
5103-71-9	alpha-Chlordane	3.20	U	1	0.22	3.20	ug/kg	10/21/25 17:48	PB170179
5103-74-2	gamma-Chlordane	3.20	U	1	0.28	3.20	ug/kg	10/21/25 17:48	PB170179
8001-35-2	Toxaphene	61.5	U	1	10.1	61.5	ug/kg	10/21/25 17:48	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	11.0			20 - 144	55%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	12.5			19 - 148	62%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-COMP2-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	52.7
Sample Wt/Vol:	30.02 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/21/25		

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	10/21/25 18:02	PB170179
319-85-7	beta-BHC	3.20	U	1	0.34	3.20	ug/kg	10/21/25 18:02	PB170179
319-86-8	delta-BHC	3.20	U	1	0.74	3.20	ug/kg	10/21/25 18:02	PB170179
58-89-9	gamma-BHC (Lindane)	3.20	U	1	0.27	3.20	ug/kg	10/21/25 18:02	PB170179
76-44-8	Heptachlor	3.20	U	1	0.23	3.20	ug/kg	10/21/25 18:02	PB170179
309-00-2	Aldrin	3.20	U	1	0.23	3.20	ug/kg	10/21/25 18:02	PB170179
1024-57-3	Heptachlor epoxide	3.20	U	1	0.36	3.20	ug/kg	10/21/25 18:02	PB170179
959-98-8	Endosulfan I	3.20	U	1	0.27	3.20	ug/kg	10/21/25 18:02	PB170179
60-57-1	Dieldrin	3.20	U	1	0.27	3.20	ug/kg	10/21/25 18:02	PB170179
72-55-9	4,4-DDE	1.10	JP	1	0.27	3.20	ug/kg	10/21/25 18:02	PB170179
72-20-8	Endrin	3.20	U	1	0.27	3.20	ug/kg	10/21/25 18:02	PB170179
33213-65-9	Endosulfan II	3.20	U	1	0.55	3.20	ug/kg	10/21/25 18:02	PB170179
72-54-8	4,4-DDD	3.20	U	1	0.28	3.20	ug/kg	10/21/25 18:02	PB170179
1031-07-8	Endosulfan Sulfate	3.20	U	1	0.25	3.20	ug/kg	10/21/25 18:02	PB170179
50-29-3	4,4-DDT	3.20	U	1	0.27	3.20	ug/kg	10/21/25 18:02	PB170179
72-43-5	Methoxychlor	3.20	U	1	0.70	3.20	ug/kg	10/21/25 18:02	PB170179
53494-70-5	Endrin ketone	3.20	U	1	0.36	3.20	ug/kg	10/21/25 18:02	PB170179
7421-93-4	Endrin aldehyde	3.20	U	1	0.70	3.20	ug/kg	10/21/25 18:02	PB170179
5103-71-9	alpha-Chlordane	3.20	U	1	0.23	3.20	ug/kg	10/21/25 18:02	PB170179
5103-74-2	gamma-Chlordane	3.20	U	1	0.28	3.20	ug/kg	10/21/25 18:02	PB170179
8001-35-2	Toxaphene	62.6	U	1	10.3	62.6	ug/kg	10/21/25 18:02	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	11.2			20 - 144	56%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	13.7			19 - 148	69%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
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J = Estimated Value
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() = Laboratory InHouse Limit

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

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-047072-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	51.3
Sample Wt/Vol:	30.05 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/21/25		

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	10/21/25 18:16	PB170179
319-85-7	beta-BHC	3.30	U	1	0.35	3.30	ug/kg	10/21/25 18:16	PB170179
319-86-8	delta-BHC	3.30	U	1	0.76	3.30	ug/kg	10/21/25 18:16	PB170179
58-89-9	gamma-BHC (Lindane)	3.30	U	1	0.27	3.30	ug/kg	10/21/25 18:16	PB170179
76-44-8	Heptachlor	3.30	U	1	0.23	3.30	ug/kg	10/21/25 18:16	PB170179
309-00-2	Aldrin	3.30	U	1	0.23	3.30	ug/kg	10/21/25 18:16	PB170179
1024-57-3	Heptachlor epoxide	3.30	U	1	0.37	3.30	ug/kg	10/21/25 18:16	PB170179
959-98-8	Endosulfan I	3.30	U	1	0.27	3.30	ug/kg	10/21/25 18:16	PB170179
60-57-1	Dieldrin	3.30	U	1	0.27	3.30	ug/kg	10/21/25 18:16	PB170179
72-55-9	4,4-DDE	6.30		1	0.27	3.30	ug/kg	10/21/25 18:16	PB170179
72-20-8	Endrin	3.30	U	1	0.27	3.30	ug/kg	10/21/25 18:16	PB170179
33213-65-9	Endosulfan II	3.30	U	1	0.56	3.30	ug/kg	10/21/25 18:16	PB170179
72-54-8	4,4-DDD	3.30	U	1	0.29	3.30	ug/kg	10/21/25 18:16	PB170179
1031-07-8	Endosulfan Sulfate	3.30	U	1	0.25	3.30	ug/kg	10/21/25 18:16	PB170179
50-29-3	4,4-DDT	3.30	U	1	0.27	3.30	ug/kg	10/21/25 18:16	PB170179
72-43-5	Methoxychlor	3.30	U	1	0.72	3.30	ug/kg	10/21/25 18:16	PB170179
53494-70-5	Endrin ketone	3.30	U	1	0.37	3.30	ug/kg	10/21/25 18:16	PB170179
7421-93-4	Endrin aldehyde	3.30	U	1	0.72	3.30	ug/kg	10/21/25 18:16	PB170179
5103-71-9	alpha-Chlordane	3.30	U	1	0.23	3.30	ug/kg	10/21/25 18:16	PB170179
5103-74-2	gamma-Chlordane	3.30	U	1	0.29	3.30	ug/kg	10/21/25 18:16	PB170179
8001-35-2	Toxaphene	64.2	U	1	10.5	64.2	ug/kg	10/21/25 18:16	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	18.6			20 - 144	93%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	18.8			19 - 148	94%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-020047-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	66.8
Sample Wt/Vol:	30.01 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	2.50	U	1	0.19	2.50	ug/kg	10/21/25 18:29	PB170179
319-85-7	beta-BHC	2.50	U	1	0.27	2.50	ug/kg	10/21/25 18:29	PB170179
319-86-8	delta-BHC	2.50	U	1	0.58	2.50	ug/kg	10/21/25 18:29	PB170179
58-89-9	gamma-BHC (Lindane)	2.50	U	1	0.21	2.50	ug/kg	10/21/25 18:29	PB170179
76-44-8	Heptachlor	2.50	U	1	0.18	2.50	ug/kg	10/21/25 18:29	PB170179
309-00-2	Aldrin	2.50	U	1	0.18	2.50	ug/kg	10/21/25 18:29	PB170179
1024-57-3	Heptachlor epoxide	2.50	U	1	0.28	2.50	ug/kg	10/21/25 18:29	PB170179
959-98-8	Endosulfan I	2.50	U	1	0.21	2.50	ug/kg	10/21/25 18:29	PB170179
60-57-1	Dieldrin	2.50	U	1	0.21	2.50	ug/kg	10/21/25 18:29	PB170179
72-55-9	4,4-DDE	0.34	J	1	0.21	2.50	ug/kg	10/21/25 18:29	PB170179
72-20-8	Endrin	2.50	U	1	0.21	2.50	ug/kg	10/21/25 18:29	PB170179
33213-65-9	Endosulfan II	2.50	U	1	0.43	2.50	ug/kg	10/21/25 18:29	PB170179
72-54-8	4,4-DDD	2.50	U	1	0.22	2.50	ug/kg	10/21/25 18:29	PB170179
1031-07-8	Endosulfan Sulfate	2.50	U	1	0.19	2.50	ug/kg	10/21/25 18:29	PB170179
50-29-3	4,4-DDT	2.50	U	1	0.21	2.50	ug/kg	10/21/25 18:29	PB170179
72-43-5	Methoxychlor	2.50	U	1	0.55	2.50	ug/kg	10/21/25 18:29	PB170179
53494-70-5	Endrin ketone	2.50	U	1	0.28	2.50	ug/kg	10/21/25 18:29	PB170179
7421-93-4	Endrin aldehyde	2.50	U	1	0.55	2.50	ug/kg	10/21/25 18:29	PB170179
5103-71-9	alpha-Chlordane	2.50	U	1	0.18	2.50	ug/kg	10/21/25 18:29	PB170179
5103-74-2	gamma-Chlordane	2.50	U	1	0.22	2.50	ug/kg	10/21/25 18:29	PB170179
8001-35-2	Toxaphene	49.4	U	1	8.10	49.4	ug/kg	10/21/25 18:29	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	14.4			20 - 144	72%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.5			19 - 148	88%	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

QC SUMMARY

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

Surrogate Summary

SDG No.: Q3376

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-PD090722.D	PIBLK-PD090722.D	Decachlorobiphen	1	20	21.2	106		57	171
		Tetrachloro-m-xyl	1	20	21.3	106		61	148
		Decachlorobiphen	2	20	22.1	111		57	171
		Tetrachloro-m-xyl	2	20	22.1	110		61	148
PB170179BL	PB170179BL	Decachlorobiphen	1	20	21.6	108		20	144
		Tetrachloro-m-xyl	1	20	20.3	101		19	148
		Decachlorobiphen	2	20	23.1	115		20	144
		Tetrachloro-m-xyl	2	20	21.2	106		19	148
PB170179BS	PB170179BS	Decachlorobiphen	1	20	20.3	101		20	144
		Tetrachloro-m-xyl	1	20	16.8	84		19	148
		Decachlorobiphen	2	20	21.9	110		20	144
		Tetrachloro-m-xyl	2	20	17.1	86		19	148
Q3402-07MS	41-LBMS	Decachlorobiphen	1	20	7.89	39		20	144
		Tetrachloro-m-xyl	1	20	13.4	67		19	148
		Decachlorobiphen	2	20	8.23	41		20	144
		Tetrachloro-m-xyl	2	20	14.0	70		19	148
Q3402-07MSD	41-LBMSD	Decachlorobiphen	1	20	8.21	41		20	144
		Tetrachloro-m-xyl	1	20	13.1	65		19	148
		Decachlorobiphen	2	20	8.28	41		20	144
		Tetrachloro-m-xyl	2	20	14.0	70		19	148
I.BLK-PD090732.D	PIBLK-PD090732.D	Decachlorobiphen	1	20	20.8	104		57	171
		Tetrachloro-m-xyl	1	20	20.4	102		61	148
		Decachlorobiphen	2	20	22.7	114		57	171
		Tetrachloro-m-xyl	2	20	21.1	106		61	148
Q3376-01	PR132-S05-057082-20251016	Decachlorobiphen	1	20	13.4	67		20	144
		Tetrachloro-m-xyl	1	20	12.7	63		19	148
		Decachlorobiphen	2	20	13.9	69		20	144
		Tetrachloro-m-xyl	2	20	13.6	68		19	148
Q3376-02	PR132-DP01-20251016	Decachlorobiphen	1	20	11.0	55		20	144
		Tetrachloro-m-xyl	1	20	11.6	58		19	148
		Decachlorobiphen	2	20	10.7	54		20	144
		Tetrachloro-m-xyl	2	20	12.5	62		19	148
Q3376-03	PR132-COMP2-20251016	Decachlorobiphen	1	20	11.2	56		20	144
		Tetrachloro-m-xyl	1	20	12.6	63		19	148
		Decachlorobiphen	2	20	10.6	53		20	144
		Tetrachloro-m-xyl	2	20	13.7	69		19	148
Q3376-04	PR132-S12-047072-20251016	Decachlorobiphen	1	20	17.6	88		20	144

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Surrogate Summary

SDG No.: Q3376

Client: AECOM

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
Q3376-04	PR132-S12-047072-20251016	Tetrachloro-m-xyl	1	20	17.6	88		19	148
		Decachlorobiphen	2	20	18.6	93		20	144
		Tetrachloro-m-xyl	2	20	18.8	94		19	148
Q3376-05	PR132-S12-020047-20251016	Decachlorobiphen	1	20	14.0	70		20	144
		Tetrachloro-m-xyl	1	20	16.7	84		19	148
		Decachlorobiphen	2	20	14.4	72		20	144
		Tetrachloro-m-xyl	2	20	17.5	88		19	148
I.BLK-PD090744.D	PIBLK-PD090744.D	Decachlorobiphen	1	20	21.0	105		57	171
		Tetrachloro-m-xyl	1	20	20.1	101		61	148
		Decachlorobiphen	2	20	22.9	115		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.: Q3376 **Analytical Method:** 8081B

Client: AECOM **DataFile :** PD090730.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q3402-07MS (Column 1)**	**Client Sample ID:**		**41-LBMS**								
	alpha-BHC	25.25	0	24.7	ug/kg	98				60	144	
	beta-BHC	25.25	0	23.3	ug/kg	92				54	143	
	delta-BHC	25.25	0	24.8	ug/kg	98				29	151	
	gamma-BHC (Lindane)	25.25	0	24.0	ug/kg	95				61	140	
	Heptachlor	25.25	0	27.9	ug/kg	110				63	135	
	Aldrin	25.25	0	24.1	ug/kg	95				49	139	
	Heptachlor epoxide	25.25	0	24.2	ug/kg	96				41	156	
	Endosulfan I	25.25	0	23.9	ug/kg	95				56	142	
	Dieldrin	25.25	0	24.3	ug/kg	96				47	161	
	4,4'-DDE	25.25	0	23.6	ug/kg	93				55	136	
	Endrin	25.25	0	24.3	ug/kg	96				57	139	
	Endosulfan II	25.25	0	23.8	ug/kg	94				40	163	
	4,4'-DDD	25.25	0	24.6	ug/kg	97				47	163	
	Endosulfan sulfate	25.25	0	23.5	ug/kg	93				62	139	
	4,4'-DDT	25.25	0	24.8	ug/kg	98				51	146	
	Methoxychlor	25.25	0	24.2	ug/kg	96				54	136	
	Endrin ketone	25.25	0	24.0	ug/kg	95				60	129	
	Endrin aldehyde	25.25	0	23.8	ug/kg	94				59	132	
	alpha-Chlordane	25.25	0	23.2	ug/kg	92				39	166	
	gamma-Chlordane	25.25	0	23.7	ug/kg	94				44	175	
Lab Sample ID:	**Q3402-07MS (Column 2)**	**Client Sample ID:**		**41-LBMS**								
	alpha-BHC	25.25	0	24.0	ug/kg	95				60	144	
	beta-BHC	25.25	0	23.6	ug/kg	93				54	143	
	delta-BHC	25.25	0	24.0	ug/kg	95				29	151	
	gamma-BHC (Lindane)	25.25	0	24.0	ug/kg	95				61	140	
	Heptachlor	25.25	0	24.2	ug/kg	96				63	135	
	Aldrin	25.25	0	24.1	ug/kg	95				49	139	
	Heptachlor epoxide	25.25	0	24.0	ug/kg	95				41	156	
	Endosulfan I	25.25	0	23.8	ug/kg	94				56	142	
	Dieldrin	25.25	0	24.3	ug/kg	96				47	161	
	4,4'-DDE	25.25	0	24.1	ug/kg	95				55	136	
	Endrin	25.25	0	24.3	ug/kg	96				57	139	
	Endosulfan II	25.25	0	24.5	ug/kg	97				40	163	
	4,4'-DDD	25.25	0	23.0	ug/kg	91				47	163	
	Endosulfan sulfate	25.25	0	24.4	ug/kg	97				62	139	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** 8081B

Client: AECOM **DataFile :** PD090730.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	25.25	0	25.3	ug/kg	100				51	146	
Methoxychlor	25.25	0	24.8	ug/kg	98				54	136	
Endrin ketone	25.25	0	24.8	ug/kg	98				60	129	
Endrin aldehyde	25.25	0	24.2	ug/kg	96				59	132	
alpha-Chlordane	25.25	0	24.3	ug/kg	96				39	166	
gamma-Chlordane	25.25	0	24.4	ug/kg	97				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** 8081B

Client: AECOM **DataFile :** PD090731.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q3402-07MSD (Column 1)**	**Client Sample ID:**		**41-LBMSD**								
	alpha-BHC	25.26	0	24.6	ug/kg	97		1		60	144	20
	beta-BHC	25.26	0	23.2	ug/kg	92		0		54	143	20
	delta-BHC	25.26	0	24.6	ug/kg	97		1		29	151	20
	gamma-BHC (Lindane)	25.26	0	23.9	ug/kg	95		0		61	140	20
	Heptachlor	25.26	0	28.0	ug/kg	111		1		63	135	20
	Aldrin	25.26	0	24.1	ug/kg	95		0		49	139	20
	Heptachlor epoxide	25.26	0	24.2	ug/kg	96		0		41	156	20
	Endosulfan I	25.26	0	23.9	ug/kg	95		0		56	142	20
	Dieldrin	25.26	0	24.3	ug/kg	96		0		47	161	20
	4,4'-DDE	25.26	0	23.5	ug/kg	93		0		55	136	20
	Endrin	25.26	0	24.3	ug/kg	96		0		57	139	20
	Endosulfan II	25.26	0	23.8	ug/kg	94		0		40	163	20
	4,4'-DDD	25.26	0	24.6	ug/kg	97		0		47	163	20
	Endosulfan sulfate	25.26	0	23.4	ug/kg	93		0		62	139	20
	4,4'-DDT	25.26	0	24.9	ug/kg	99		1		51	146	20
	Methoxychlor	25.26	0	24.4	ug/kg	97		1		54	136	20
	Endrin ketone	25.26	0	24.1	ug/kg	95		0		60	129	20
	Endrin aldehyde	25.26	0	23.9	ug/kg	95		1		59	132	20
	alpha-Chlordane	25.26	0	23.0	ug/kg	91		1		39	166	20
	gamma-Chlordane	25.26	0	23.8	ug/kg	94		0		44	175	20
Lab Sample ID:	**Q3402-07MSD (Column 2)**	**Client Sample ID:**		**41-LBMSD**								
	alpha-BHC	25.26	0	24.0	ug/kg	95		0		60	144	20
	beta-BHC	25.26	0	23.7	ug/kg	94		1		54	143	20
	delta-BHC	25.26	0	24.0	ug/kg	95		0		29	151	20
	gamma-BHC (Lindane)	25.26	0	24.0	ug/kg	95		0		61	140	20
	Heptachlor	25.26	0	24.3	ug/kg	96		0		63	135	20
	Aldrin	25.26	0	24.1	ug/kg	95		0		49	139	20
	Heptachlor epoxide	25.26	0	23.9	ug/kg	95		0		41	156	20
	Endosulfan I	25.26	0	23.8	ug/kg	94		0		56	142	20
	Dieldrin	25.26	0	24.4	ug/kg	97		1		47	161	20
	4,4'-DDE	25.26	0	24.1	ug/kg	95		0		55	136	20
	Endrin	25.26	0	24.3	ug/kg	96		0		57	139	20
	Endosulfan II	25.26	0	24.5	ug/kg	97		0		40	163	20
	4,4'-DDD	25.26	0	23.0	ug/kg	91		0		47	163	20
	Endosulfan sulfate	25.26	0	24.5	ug/kg	97		0		62	139	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** 8081B

Client: AECOM **DataFile :** PD090731.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
4,4'-DDT	25.26	0	25.4	ug/kg	101		1		51	146	20
Methoxychlor	25.26	0	24.8	ug/kg	98		0		54	136	20
Endrin ketone	25.26	0	24.8	ug/kg	98		0		60	129	20
Endrin aldehyde	25.26	0	24.5	ug/kg	97		1		59	132	20
alpha-Chlordane	25.26	0	24.3	ug/kg	96		0		39	166	20
gamma-Chlordane	25.26	0	24.4	ug/kg	97		0		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** 8081B

Client: AECOM **Datafile :** PD090726.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170179BS (Column 1)	alpha-BHC	16.66	14.8	ug/kg	89				84	123	
	beta-BHC	16.66	14.6	ug/kg	88				82	123	
	delta-BHC	16.66	15.0	ug/kg	90				83	126	
	gamma-BHC (Lindane)	16.66	14.7	ug/kg	88				83	125	
	Heptachlor	16.66	17.5	ug/kg	105				83	122	
	Aldrin	16.66	14.9	ug/kg	89				82	124	
	Heptachlor epoxide	16.66	15.1	ug/kg	91				83	120	
	Endosulfan I	16.66	14.9	ug/kg	89				81	124	
	Dieldrin	16.66	15.1	ug/kg	91				85	121	
	4,4'-DDE	16.66	14.6	ug/kg	88				81	123	
	Endrin	16.66	15.1	ug/kg	91				76	130	
	Endosulfan II	16.66	15.1	ug/kg	91				80	125	
	4,4'-DDD	16.66	15.4	ug/kg	92				80	131	
	Endosulfan sulfate	16.66	14.9	ug/kg	89				81	122	
	4,4'-DDT	16.66	15.9	ug/kg	95				70	129	
	Methoxychlor	16.66	15.6	ug/kg	94				60	119	
	Endrin ketone	16.66	15.1	ug/kg	91				77	132	
	Endrin aldehyde	16.66	15.4	ug/kg	92				79	124	
	alpha-Chlordane	16.66	14.4	ug/kg	86				84	120	
	gamma-Chlordane	16.66	14.8	ug/kg	89				83	122	
PB170179BS (Column 2)	alpha-BHC	16.66	14.7	ug/kg	88				84	123	
	beta-BHC	16.66	14.8	ug/kg	89				82	123	
	delta-BHC	16.66	15.0	ug/kg	90				83	126	
	gamma-BHC (Lindane)	16.66	14.9	ug/kg	89				83	125	
	Heptachlor	16.66	15.1	ug/kg	91				83	122	
	Aldrin	16.66	14.9	ug/kg	89				82	124	
	Heptachlor epoxide	16.66	14.8	ug/kg	89				83	120	
	Endosulfan I	16.66	14.8	ug/kg	89				81	124	
	Dieldrin	16.66	15.3	ug/kg	92				85	121	
	4,4'-DDE	16.66	15.2	ug/kg	91				81	123	
	Endrin	16.66	15.2	ug/kg	91				76	130	
	Endosulfan II	16.66	15.4	ug/kg	92				80	125	
	4,4'-DDD	16.66	15.2	ug/kg	91				80	131	
	Endosulfan sulfate	16.66	15.6	ug/kg	94				81	122	
	4,4'-DDT	16.66	16.2	ug/kg	97				70	129	
	Methoxychlor	16.66	16.0	ug/kg	96				60	119	
	Endrin ketone	16.66	15.8	ug/kg	95				77	132	
	Endrin aldehyde	16.66	15.8	ug/kg	95				79	124	
	alpha-Chlordane	16.66	15.1	ug/kg	91				84	120	
	gamma-Chlordane	16.66	15.1	ug/kg	91				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB170179BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3376

Lab Sample ID: PB170179BL | Lab File ID: PD090725.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 10/21/2025

Date Analyzed (1): 10/21/2025 | Date Analyzed (2): 10/21/2025

Time Analyzed (1): 14:44 | Time Analyzed (2): 14:44

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
PB170179BS	PB170179BS	PD090726.D	10/21/2025	10/21/2025
41-LBMS	Q3402-07MS	PD090730.D	10/21/2025	10/21/2025
41-LBMSD	Q3402-07MSD	PD090731.D	10/21/2025	10/21/2025
PR132-S05-057082-20251016	Q3376-01	PD090737.D	10/21/2025	10/21/2025
PR132-DP01-20251016	Q3376-02	PD090738.D	10/21/2025	10/21/2025
PR132-COMP2-20251016	Q3376-03	PD090739.D	10/21/2025	10/21/2025
PR132-S12-047072-20251016	Q3376-04	PD090740.D	10/21/2025	10/21/2025
PR132-S12-020047-20251016	Q3376-05	PD090741.D	10/21/2025	10/21/2025

COMMENTS:

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170179BL	SDG No.:	Q3376
Lab Sample ID:	PB170179BL	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 10/21/25		

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	10/21/25 14:44	PB170179
319-85-7	beta-BHC	1.70	U	1	0.18	1.70	ug/kg	10/21/25 14:44	PB170179
319-86-8	delta-BHC	1.70	U	1	0.39	1.70	ug/kg	10/21/25 14:44	PB170179
58-89-9	gamma-BHC (Lindane)	1.70	U	1	0.14	1.70	ug/kg	10/21/25 14:44	PB170179
76-44-8	Heptachlor	1.70	U	1	0.12	1.70	ug/kg	10/21/25 14:44	PB170179
309-00-2	Aldrin	1.70	U	1	0.12	1.70	ug/kg	10/21/25 14:44	PB170179
1024-57-3	Heptachlor epoxide	1.70	U	1	0.19	1.70	ug/kg	10/21/25 14:44	PB170179
959-98-8	Endosulfan I	1.70	U	1	0.14	1.70	ug/kg	10/21/25 14:44	PB170179
60-57-1	Dieldrin	1.70	U	1	0.14	1.70	ug/kg	10/21/25 14:44	PB170179
72-55-9	4,4-DDE	1.70	U	1	0.14	1.70	ug/kg	10/21/25 14:44	PB170179
72-20-8	Endrin	1.70	U	1	0.14	1.70	ug/kg	10/21/25 14:44	PB170179
33213-65-9	Endosulfan II	1.70	U	1	0.29	1.70	ug/kg	10/21/25 14:44	PB170179
72-54-8	4,4-DDD	1.70	U	1	0.15	1.70	ug/kg	10/21/25 14:44	PB170179
1031-07-8	Endosulfan Sulfate	1.70	U	1	0.13	1.70	ug/kg	10/21/25 14:44	PB170179
50-29-3	4,4-DDT	1.70	U	1	0.14	1.70	ug/kg	10/21/25 14:44	PB170179
72-43-5	Methoxychlor	1.70	U	1	0.37	1.70	ug/kg	10/21/25 14:44	PB170179
53494-70-5	Endrin ketone	1.70	U	1	0.19	1.70	ug/kg	10/21/25 14:44	PB170179
7421-93-4	Endrin aldehyde	1.70	U	1	0.37	1.70	ug/kg	10/21/25 14:44	PB170179
5103-71-9	alpha-Chlordane	1.70	U	1	0.12	1.70	ug/kg	10/21/25 14:44	PB170179
5103-74-2	gamma-Chlordane	1.70	U	1	0.15	1.70	ug/kg	10/21/25 14:44	PB170179
8001-35-2	Toxaphene	33.0	U	1	5.40	33.0	ug/kg	10/21/25 14:44	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	23.1			20 - 144	115%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.2			19 - 148	106%	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:	PIBLK-PD090647.D	SDG No.:	Q3376
Lab Sample ID:	I.BLK-PD090647.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	Prep Date		

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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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

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:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PIBLK-PD090722.D	SDG No.:	Q3376
Lab Sample ID:	I.BLK-PD090722.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	10/21/25	PD102125
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/21/25	PD102125
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/21/25	PD102125
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/21/25	PD102125
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/21/25	PD102125
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/21/25	PD102125
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/21/25	PD102125
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/21/25	PD102125
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/21/25	PD102125
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/21/25	PD102125
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/21/25	PD102125
SURROGATES									
2051-24-3	Decachlorobiphenyl	22.1			57 - 171	111%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	22.1			61 - 148	110%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
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() = 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:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PIBLK-PD090732.D	SDG No.:	Q3376
Lab Sample ID:	I.BLK-PD090732.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	10/21/25	PD102125
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/21/25	PD102125
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/21/25	PD102125
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/21/25	PD102125
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/21/25	PD102125
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/21/25	PD102125
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/21/25	PD102125
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/21/25	PD102125
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/21/25	PD102125
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/21/25	PD102125
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/21/25	PD102125
SURROGATES									
2051-24-3	Decachlorobiphenyl	22.7			57 - 171	114%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.1			61 - 148	106%	SPK: 20		

U = Not Detected
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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:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PIBLK-PD090744.D	SDG No.:	Q3376
Lab Sample ID:	I.BLK-PD090744.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	10/21/25	PD102125
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/21/25	PD102125
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/21/25	PD102125
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/21/25	PD102125
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/21/25	PD102125
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/21/25	PD102125
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/21/25	PD102125
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/21/25	PD102125
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/21/25	PD102125
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/21/25	PD102125
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/21/25	PD102125
SURROGATES									
2051-24-3	Decachlorobiphenyl	22.9			57 - 171	115%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.8			61 - 148	104%	SPK: 20		

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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:	PB170179BS	SDG No.:	Q3376
Lab Sample ID:	PB170179BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	14.8		1	0.13	1.70	ug/kg	10/21/25 14:58	PB170179
319-85-7	beta-BHC	14.8		1	0.18	1.70	ug/kg	10/21/25 14:58	PB170179
319-86-8	delta-BHC	15.0		1	0.39	1.70	ug/kg	10/21/25 14:58	PB170179
58-89-9	gamma-BHC (Lindane)	14.9		1	0.14	1.70	ug/kg	10/21/25 14:58	PB170179
76-44-8	Heptachlor	17.5		1	0.12	1.70	ug/kg	10/21/25 14:58	PB170179
309-00-2	Aldrin	14.9		1	0.12	1.70	ug/kg	10/21/25 14:58	PB170179
1024-57-3	Heptachlor epoxide	15.1		1	0.19	1.70	ug/kg	10/21/25 14:58	PB170179
959-98-8	Endosulfan I	14.9		1	0.14	1.70	ug/kg	10/21/25 14:58	PB170179
60-57-1	Dieldrin	15.3		1	0.14	1.70	ug/kg	10/21/25 14:58	PB170179
72-55-9	4,4-DDE	15.2		1	0.14	1.70	ug/kg	10/21/25 14:58	PB170179
72-20-8	Endrin	15.2		1	0.14	1.70	ug/kg	10/21/25 14:58	PB170179
33213-65-9	Endosulfan II	15.4		1	0.29	1.70	ug/kg	10/21/25 14:58	PB170179
72-54-8	4,4-DDD	15.4		1	0.15	1.70	ug/kg	10/21/25 14:58	PB170179
1031-07-8	Endosulfan Sulfate	15.6		1	0.13	1.70	ug/kg	10/21/25 14:58	PB170179
50-29-3	4,4-DDT	16.2		1	0.14	1.70	ug/kg	10/21/25 14:58	PB170179
72-43-5	Methoxychlor	16.0		1	0.37	1.70	ug/kg	10/21/25 14:58	PB170179
53494-70-5	Endrin ketone	15.8		1	0.19	1.70	ug/kg	10/21/25 14:58	PB170179
7421-93-4	Endrin aldehyde	15.8		1	0.37	1.70	ug/kg	10/21/25 14:58	PB170179
5103-71-9	alpha-Chlordane	15.1		1	0.12	1.70	ug/kg	10/21/25 14:58	PB170179
5103-74-2	gamma-Chlordane	15.1		1	0.15	1.70	ug/kg	10/21/25 14:58	PB170179
8001-35-2	Toxaphene	33.0	U	1	5.40	33.0	ug/kg	10/21/25 14:58	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	21.9			20 - 144	110%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.1			19 - 148	86%	SPK: 20		

U = Not Detected
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Report of Analysis

Client:	AECOM	Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LBMS	SDG No.:	Q3376
Lab Sample ID:	Q3402-07MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	65.9
Sample Wt/Vol:	30.05 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	24.7		1	0.20	2.60	ug/kg	10/21/25 15:59	PB170179
319-85-7	beta-BHC	23.6		1	0.27	2.60	ug/kg	10/21/25 15:59	PB170179
319-86-8	delta-BHC	24.8		1	0.59	2.60	ug/kg	10/21/25 15:59	PB170179
58-89-9	gamma-BHC (Lindane)	24.0		1	0.21	2.60	ug/kg	10/21/25 15:59	PB170179
76-44-8	Heptachlor	27.9		1	0.18	2.60	ug/kg	10/21/25 15:59	PB170179
309-00-2	Aldrin	24.1		1	0.18	2.60	ug/kg	10/21/25 15:59	PB170179
1024-57-3	Heptachlor epoxide	24.2		1	0.29	2.60	ug/kg	10/21/25 15:59	PB170179
959-98-8	Endosulfan I	23.9		1	0.21	2.60	ug/kg	10/21/25 15:59	PB170179
60-57-1	Dieldrin	24.3		1	0.21	2.60	ug/kg	10/21/25 15:59	PB170179
72-55-9	4,4-DDE	24.1		1	0.21	2.60	ug/kg	10/21/25 15:59	PB170179
72-20-8	Endrin	24.3		1	0.21	2.60	ug/kg	10/21/25 15:59	PB170179
33213-65-9	Endosulfan II	24.5		1	0.44	2.60	ug/kg	10/21/25 15:59	PB170179
72-54-8	4,4-DDD	24.6		1	0.23	2.60	ug/kg	10/21/25 15:59	PB170179
1031-07-8	Endosulfan Sulfate	24.4		1	0.20	2.60	ug/kg	10/21/25 15:59	PB170179
50-29-3	4,4-DDT	25.3		1	0.21	2.60	ug/kg	10/21/25 15:59	PB170179
72-43-5	Methoxychlor	24.8		1	0.56	2.60	ug/kg	10/21/25 15:59	PB170179
53494-70-5	Endrin ketone	24.8		1	0.29	2.60	ug/kg	10/21/25 15:59	PB170179
7421-93-4	Endrin aldehyde	24.2		1	0.56	2.60	ug/kg	10/21/25 15:59	PB170179
5103-71-9	alpha-Chlordane	24.3		1	0.18	2.60	ug/kg	10/21/25 15:59	PB170179
5103-74-2	gamma-Chlordane	24.4		1	0.23	2.60	ug/kg	10/21/25 15:59	PB170179
8001-35-2	Toxaphene	50.0	U	1	8.20	50.0	ug/kg	10/21/25 15:59	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	8.23			20 - 144	41%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	14.0			19 - 148	70%	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:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LBMSD	SDG No.:	Q3376
Lab Sample ID:	Q3402-07MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	65.9
Sample Wt/Vol:	30.04 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	24.6		1	0.20	2.60	ug/kg	10/21/25 16:13	PB170179
319-85-7	beta-BHC	23.7		1	0.27	2.60	ug/kg	10/21/25 16:13	PB170179
319-86-8	delta-BHC	24.6		1	0.59	2.60	ug/kg	10/21/25 16:13	PB170179
58-89-9	gamma-BHC (Lindane)	24.0		1	0.21	2.60	ug/kg	10/21/25 16:13	PB170179
76-44-8	Heptachlor	28.0		1	0.18	2.60	ug/kg	10/21/25 16:13	PB170179
309-00-2	Aldrin	24.1		1	0.18	2.60	ug/kg	10/21/25 16:13	PB170179
1024-57-3	Heptachlor epoxide	24.2		1	0.29	2.60	ug/kg	10/21/25 16:13	PB170179
959-98-8	Endosulfan I	23.9		1	0.21	2.60	ug/kg	10/21/25 16:13	PB170179
60-57-1	Dieldrin	24.4		1	0.21	2.60	ug/kg	10/21/25 16:13	PB170179
72-55-9	4,4-DDE	24.1		1	0.21	2.60	ug/kg	10/21/25 16:13	PB170179
72-20-8	Endrin	24.3		1	0.21	2.60	ug/kg	10/21/25 16:13	PB170179
33213-65-9	Endosulfan II	24.5		1	0.44	2.60	ug/kg	10/21/25 16:13	PB170179
72-54-8	4,4-DDD	24.6		1	0.23	2.60	ug/kg	10/21/25 16:13	PB170179
1031-07-8	Endosulfan Sulfate	24.5		1	0.20	2.60	ug/kg	10/21/25 16:13	PB170179
50-29-3	4,4-DDT	25.4		1	0.21	2.60	ug/kg	10/21/25 16:13	PB170179
72-43-5	Methoxychlor	24.8		1	0.56	2.60	ug/kg	10/21/25 16:13	PB170179
53494-70-5	Endrin ketone	24.8		1	0.29	2.60	ug/kg	10/21/25 16:13	PB170179
7421-93-4	Endrin aldehyde	24.5		1	0.56	2.60	ug/kg	10/21/25 16:13	PB170179
5103-71-9	alpha-Chlordane	24.3		1	0.18	2.60	ug/kg	10/21/25 16:13	PB170179
5103-74-2	gamma-Chlordane	24.4		1	0.23	2.60	ug/kg	10/21/25 16:13	PB170179
8001-35-2	Toxaphene	50.0	U	1	8.20	50.0	ug/kg	10/21/25 16:13	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	8.28			20 - 144	41%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	14.0			19 - 148	70%	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.: Q3376
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.: Q3376
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.: Q3376
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.: Q3376
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.:** Q3376

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.:** Q3376

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.:** Q3376

Continuing Calib Date: 10/21/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 12:40 **Initial Calibration Time(s):** 11:34 12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.08	9.06	8.96	9.16	-0.02
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.92	4.82	5.02	-0.01
Aldrin	5.27	5.26	5.16	5.36	-0.01
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.08	6.07	5.97	6.17	-0.01
Dieldrin	6.35	6.34	6.24	6.44	-0.01
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	-0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.91	6.81	7.01	-0.01
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

Continuing Calib Date: 10/21/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 12:40 **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	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.50	5.40	5.60	-0.01
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.48	6.47	6.37	6.57	0.00
4,4'-DDT	6.18	6.17	6.07	6.27	-0.01
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.98	6.88	7.08	-0.01
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.:** Q3376

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

Client Sample No.: CCAL01 **Date Analyzed:** 10/21/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090724.D **Time Analyzed:** 12:40

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.708	6.600	6.800	51.480	50.000	3.0
4,4'-DDE	6.198	6.090	6.290	48.110	50.000	-3.8
4,4'-DDT	7.024	6.915	7.115	52.120	50.000	4.2
Aldrin	5.272	5.164	5.364	49.580	50.000	-0.8
alpha-BHC	4.001	3.894	4.094	50.170	50.000	0.3
alpha-Chlordane	6.028	5.921	6.121	47.110	50.000	-5.8
beta-BHC	4.519	4.412	4.612	48.510	50.000	-3.0
Decachlorobiphenyl	9.076	8.964	9.164	44.960	50.000	-10.1
delta-BHC	4.768	4.660	4.860	49.430	50.000	-1.1
Dieldrin	6.349	6.240	6.440	49.490	50.000	-1.0
Endosulfan I	6.076	5.968	6.168	48.920	50.000	-2.2
Endosulfan II	6.788	6.681	6.881	50.200	50.000	0.4
Endosulfan sulfate	7.153	7.045	7.245	48.310	50.000	-3.4
Endrin	6.576	6.468	6.668	49.620	50.000	-0.8
Endrin aldehyde	6.918	6.810	7.010	50.080	50.000	0.2
Endrin ketone	7.633	7.525	7.725	49.100	50.000	-1.8
gamma-BHC (Lindane)	4.332	4.225	4.425	49.690	50.000	-0.6
gamma-Chlordane	5.948	5.840	6.040	49.260	50.000	-1.5
Heptachlor	4.930	4.823	5.023	57.640	50.000	15.3
Heptachlor epoxide	5.692	5.584	5.784	48.930	50.000	-2.1
Methoxychlor	7.496	7.388	7.588	50.060	50.000	0.1
Tetrachloro-m-xylene	3.551	3.445	3.645	47.040	50.000	-5.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

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

Client Sample No.: CCAL01 **Date Analyzed:** 10/21/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090724.D **Time Analyzed:** 12:40

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.922	5.821	6.021	49.020	50.000	-2.0
4,4'-DDE	5.367	5.266	5.466	49.070	50.000	-1.9
4,4'-DDT	6.175	6.074	6.274	51.890	50.000	3.8
Aldrin	4.360	4.261	4.461	48.680	50.000	-2.6
alpha-BHC	3.385	3.287	3.487	48.530	50.000	-2.9
alpha-Chlordane	5.182	5.081	5.281	48.800	50.000	-2.4
beta-BHC	4.019	3.919	4.119	48.120	50.000	-3.8
Decachlorobiphenyl	8.064	7.962	8.162	49.110	50.000	-1.8
delta-BHC	4.255	4.155	4.355	48.560	50.000	-2.9
Dieldrin	5.505	5.404	5.604	49.350	50.000	-1.3
Endosulfan I	5.239	5.138	5.338	47.220	50.000	-5.6
Endosulfan II	6.073	5.972	6.172	49.320	50.000	-1.4
Endosulfan sulfate	6.475	6.374	6.574	49.710	50.000	-0.6
Endrin	5.781	5.681	5.881	49.540	50.000	-0.9
Endrin aldehyde	6.251	6.150	6.350	49.960	50.000	-0.1
Endrin ketone	6.985	6.883	7.083	50.710	50.000	1.4
gamma-BHC (Lindane)	3.722	3.623	3.823	48.590	50.000	-2.8
gamma-Chlordane	5.117	5.017	5.217	49.020	50.000	-2.0
Heptachlor	4.074	3.975	4.175	48.870	50.000	-2.3
Heptachlor epoxide	4.864	4.764	4.964	47.740	50.000	-4.5
Methoxychlor	6.747	6.645	6.845	51.200	50.000	2.4
Tetrachloro-m-xylene	2.873	2.775	2.975	47.850	50.000	-4.3

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

Continuing Calib Date: 10/21/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 16:40 **Initial Calibration Time(s):** 11:34 12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.06	8.96	9.16	-0.01
Tetrachloro-m-xylene	3.54	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	7.15	7.15	7.05	7.25	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

Continuing Calib Date: 10/21/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 16:40 **Initial Calibration Time(s):** 11:34 12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	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.:** Q3376

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

Client Sample No.: CCAL02 **Date Analyzed:** 10/21/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090733.D **Time Analyzed:** 16:40

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.700	6.600	6.800	50.260	50.000	0.5
4,4'-DDE	6.190	6.090	6.290	47.320	50.000	-5.4
4,4'-DDT	7.016	6.915	7.115	51.040	50.000	2.1
Aldrin	5.264	5.164	5.364	49.030	50.000	-1.9
alpha-BHC	3.994	3.894	4.094	49.260	50.000	-1.5
alpha-Chlordane	6.021	5.921	6.121	46.430	50.000	-7.1
beta-BHC	4.512	4.412	4.612	47.700	50.000	-4.6
Decachlorobiphenyl	9.066	8.964	9.164	44.630	50.000	-10.7
delta-BHC	4.760	4.660	4.860	48.820	50.000	-2.4
Dieldrin	6.341	6.240	6.440	49.060	50.000	-1.9
Endosulfan I	6.068	5.968	6.168	48.350	50.000	-3.3
Endosulfan II	6.781	6.681	6.881	49.170	50.000	-1.7
Endosulfan sulfate	7.145	7.045	7.245	47.900	50.000	-4.2
Endrin	6.568	6.468	6.668	49.030	50.000	-1.9
Endrin aldehyde	6.910	6.810	7.010	49.030	50.000	-1.9
Endrin ketone	7.626	7.525	7.725	51.010	50.000	2.0
gamma-BHC (Lindane)	4.325	4.225	4.425	48.870	50.000	-2.3
gamma-Chlordane	5.940	5.840	6.040	48.660	50.000	-2.7
Heptachlor	4.923	4.823	5.023	56.860	50.000	13.7
Heptachlor epoxide	5.684	5.584	5.784	48.460	50.000	-3.1
Methoxychlor	7.489	7.388	7.588	49.140	50.000	-1.7
Tetrachloro-m-xylene	3.544	3.445	3.645	47.380	50.000	-5.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

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

Client Sample No.: CCAL02 **Date Analyzed:** 10/21/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090733.D **Time Analyzed:** 16:40

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.920	5.821	6.021	49.010	50.000	-2.0
4,4'-DDE	5.366	5.266	5.466	48.880	50.000	-2.2
4,4'-DDT	6.174	6.074	6.274	51.440	50.000	2.9
Aldrin	4.360	4.261	4.461	48.670	50.000	-2.7
alpha-BHC	3.386	3.287	3.487	48.710	50.000	-2.6
alpha-Chlordane	5.181	5.081	5.281	48.790	50.000	-2.4
beta-BHC	4.019	3.919	4.119	47.630	50.000	-4.7
Decachlorobiphenyl	8.061	7.962	8.162	49.500	50.000	-1.0
delta-BHC	4.255	4.155	4.355	48.600	50.000	-2.8
Dieldrin	5.503	5.404	5.604	49.330	50.000	-1.3
Endosulfan I	5.238	5.138	5.338	47.170	50.000	-5.7
Endosulfan II	6.072	5.972	6.172	49.300	50.000	-1.4
Endosulfan sulfate	6.474	6.374	6.574	49.780	50.000	-0.4
Endrin	5.780	5.681	5.881	50.530	50.000	1.1
Endrin aldehyde	6.250	6.150	6.350	49.860	50.000	-0.3
Endrin ketone	6.983	6.883	7.083	50.910	50.000	1.8
gamma-BHC (Lindane)	3.722	3.623	3.823	48.540	50.000	-2.9
gamma-Chlordane	5.116	5.017	5.217	49.070	50.000	-1.9
Heptachlor	4.075	3.975	4.175	49.570	50.000	-0.9
Heptachlor epoxide	4.864	4.764	4.964	47.520	50.000	-5.0
Methoxychlor	6.744	6.645	6.845	51.470	50.000	2.9
Tetrachloro-m-xylene	2.874	2.775	2.975	47.910	50.000	-4.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

Continuing Calib Date: 10/21/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 19:38 **Initial Calibration Time(s):** 11:34 12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.06	8.96	9.16	-0.01
Tetrachloro-m-xylene	3.54	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	7.15	7.15	7.05	7.25	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

Continuing Calib Date: 10/21/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 19:38 **Initial Calibration Time(s):** 11:34 12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.01
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.75	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.:** Q3376

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

Client Sample No.: CCAL03 **Date Analyzed:** 10/21/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090746.D **Time Analyzed:** 19:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.700	6.600	6.800	49.860	50.000	-0.3
4,4'-DDE	6.190	6.090	6.290	46.810	50.000	-6.4
4,4'-DDT	7.016	6.915	7.115	50.050	50.000	0.1
Aldrin	5.264	5.164	5.364	48.220	50.000	-3.6
alpha-BHC	3.994	3.894	4.094	48.460	50.000	-3.1
alpha-Chlordane	6.021	5.921	6.121	46.450	50.000	-7.1
beta-BHC	4.512	4.412	4.612	47.190	50.000	-5.6
Decachlorobiphenyl	9.066	8.964	9.164	45.090	50.000	-9.8
delta-BHC	4.760	4.660	4.860	48.270	50.000	-3.5
Dieldrin	6.341	6.240	6.440	48.320	50.000	-3.4
Endosulfan I	6.068	5.968	6.168	47.740	50.000	-4.5
Endosulfan II	6.781	6.681	6.881	48.440	50.000	-3.1
Endosulfan sulfate	7.145	7.045	7.245	47.500	50.000	-5.0
Endrin	6.568	6.468	6.668	48.160	50.000	-3.7
Endrin aldehyde	6.910	6.810	7.010	48.550	50.000	-2.9
Endrin ketone	7.626	7.525	7.725	48.400	50.000	-3.2
gamma-BHC (Lindane)	4.325	4.225	4.425	48.090	50.000	-3.8
gamma-Chlordane	5.940	5.840	6.040	48.000	50.000	-4.0
Heptachlor	4.922	4.823	5.023	55.710	50.000	11.4
Heptachlor epoxide	5.684	5.584	5.784	47.850	50.000	-4.3
Methoxychlor	7.489	7.388	7.588	48.670	50.000	-2.7
Tetrachloro-m-xylene	3.544	3.445	3.645	46.390	50.000	-7.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

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

Client Sample No.: CCAL03 **Date Analyzed:** 10/21/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090746.D **Time Analyzed:** 19:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.920	5.821	6.021	49.190	50.000	-1.6
4,4'-DDE	5.365	5.266	5.466	48.920	50.000	-2.2
4,4'-DDT	6.174	6.074	6.274	50.890	50.000	1.8
Aldrin	4.359	4.261	4.461	48.200	50.000	-3.6
alpha-BHC	3.386	3.287	3.487	47.860	50.000	-4.3
alpha-Chlordane	5.181	5.081	5.281	48.460	50.000	-3.1
beta-BHC	4.018	3.919	4.119	47.130	50.000	-5.7
Decachlorobiphenyl	8.062	7.962	8.162	51.020	50.000	2.0
delta-BHC	4.255	4.155	4.355	48.130	50.000	-3.7
Dieldrin	5.503	5.404	5.604	48.950	50.000	-2.1
Endosulfan I	5.237	5.138	5.338	46.940	50.000	-6.1
Endosulfan II	6.071	5.972	6.172	49.460	50.000	-1.1
Endosulfan sulfate	6.474	6.374	6.574	49.650	50.000	-0.7
Endrin	5.780	5.681	5.881	49.970	50.000	-0.1
Endrin aldehyde	6.250	6.150	6.350	50.030	50.000	0.1
Endrin ketone	6.983	6.883	7.083	51.180	50.000	2.4
gamma-BHC (Lindane)	3.722	3.623	3.823	47.790	50.000	-4.4
gamma-Chlordane	5.116	5.017	5.217	48.480	50.000	-3.0
Heptachlor	4.074	3.975	4.175	48.850	50.000	-2.3
Heptachlor epoxide	4.864	4.764	4.964	47.140	50.000	-5.7
Methoxychlor	6.745	6.645	6.845	51.200	50.000	2.4
Tetrachloro-m-xylene	2.874	2.775	2.975	47.140	50.000	-5.7

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

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.:** Q3376

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

Client Sample No. (PEM): PEM - PD090723.D **Date Analyzed:** 10/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:58

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.067	8.970	9.170	22.510	20.000	12.6
Tetrachloro-m-xylene	3.545	3.490	3.600	23.300	20.000	16.5
alpha-BHC	3.994	3.940	4.040	9.920	10.000	-0.8
beta-BHC	4.512	4.460	4.560	11.380	10.000	13.8
gamma-BHC (Lindane)	4.325	4.270	4.380	10.370	10.000	3.7
Endrin	6.569	6.500	6.640	56.280	50.000	12.6
4,4'-DDT	7.017	6.950	7.090	113.550	100.000	13.6
Methoxychlor	7.490	7.420	7.560	259.780	250.000	3.9

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

Client Sample No. (PEM): PEM - PD090723.D **Date Analyzed:** 10/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:58

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.061	7.960	8.160	24.270	20.000	21.4
Tetrachloro-m-xylene	2.873	2.820	2.920	23.630	20.000	18.2
alpha-BHC	3.385	3.330	3.440	11.580	10.000	15.8
beta-BHC	4.018	3.970	4.070	11.390	10.000	13.9
gamma-BHC (Lindane)	3.721	3.670	3.770	11.700	10.000	17.0
Endrin	5.779	5.710	5.850	54.950	50.000	9.9
4,4'-DDT	6.173	6.100	6.240	112.860	100.000	12.9
Methoxychlor	6.744	6.670	6.810	229.670	250.000	-8.1

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Analytical Sequence

Client: AECOM **SDG No.:** Q3376

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	10/21/2025	09:44	PD090722.D	9.07	3.54
PEM	PEM	10/21/2025	09:58	PD090723.D	9.07	3.55
PSTDCCC050	PSTDCCC050	10/21/2025	12:40	PD090724.D	9.08	3.55
PB170179BL	PB170179BL	10/21/2025	14:44	PD090725.D	9.08	3.55
PB170179BS	PB170179BS	10/21/2025	14:58	PD090726.D	9.07	3.54
41-LBMS	Q3402-07MS	10/21/2025	15:59	PD090730.D	9.07	3.54
41-LBMSD	Q3402-07MSD	10/21/2025	16:13	PD090731.D	9.07	3.54
I.BLK	I.BLK	10/21/2025	16:27	PD090732.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/21/2025	16:40	PD090733.D	9.07	3.54
PR132-S05-057082-20251016	Q3376-01	10/21/2025	17:35	PD090737.D	9.07	3.54
PR132-DP01-20251016	Q3376-02	10/21/2025	17:48	PD090738.D	9.07	3.54
PR132-COMP2-20251016	Q3376-03	10/21/2025	18:02	PD090739.D	9.07	3.54
PR132-S12-047072-20251016	Q3376-04	10/21/2025	18:16	PD090740.D	9.07	3.54
PR132-S12-020047-20251016	Q3376-05	10/21/2025	18:29	PD090741.D	9.07	3.54
I.BLK	I.BLK	10/21/2025	19:10	PD090744.D	9.07	3.55
PSTDCCC050	PSTDCCC050	10/21/2025	19:38	PD090746.D	9.07	3.54

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Analytical Sequence

Client: AECOM **SDG No.:** Q3376

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	10/21/2025	09:44	PD090722.D	8.06	2.87
PEM	PEM	10/21/2025	09:58	PD090723.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/21/2025	12:40	PD090724.D	8.06	2.87
PB170179BL	PB170179BL	10/21/2025	14:44	PD090725.D	8.06	2.87
PB170179BS	PB170179BS	10/21/2025	14:58	PD090726.D	8.06	2.87
41-LBMS	Q3402-07MS	10/21/2025	15:59	PD090730.D	8.06	2.87
41-LBMSD	Q3402-07MSD	10/21/2025	16:13	PD090731.D	8.06	2.87
I.BLK	I.BLK	10/21/2025	16:27	PD090732.D	8.06	2.88
PSTDCCC050	PSTDCCC050	10/21/2025	16:40	PD090733.D	8.06	2.87
PR132-S05-057082-20251016	Q3376-01	10/21/2025	17:35	PD090737.D	8.06	2.87
PR132-DP01-20251016	Q3376-02	10/21/2025	17:48	PD090738.D	8.06	2.87
PR132-COMP2-20251016	Q3376-03	10/21/2025	18:02	PD090739.D	8.06	2.87
PR132-S12-047072-20251016	Q3376-04	10/21/2025	18:16	PD090740.D	8.06	2.87
PR132-S12-020047-20251016	Q3376-05	10/21/2025	18:29	PD090741.D	8.06	2.87
I.BLK	I.BLK	10/21/2025	19:10	PD090744.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/21/2025	19:38	PD090746.D	8.06	2.87

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
41-LBMS

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG NO.: Q3376
Lab Sample ID: Q3402-07MS
Date(s) Analyzed: 10/21/2025 10/21/2025
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
beta-BHC	1	4.51	4.46	4.56	23.3	1.3
	2	4.02	3.97	4.07	23.6	
delta-BHC	1	4.76	4.71	4.81	24.8	3.3
	2	4.25	4.20	4.30	24.0	
Heptachlor epoxide	1	5.69	5.64	5.74	24.2	0.8
	2	4.86	4.81	4.91	24.0	
Endosulfan I	1	6.07	6.02	6.12	23.9	0.4
	2	5.24	5.19	5.29	23.8	
gamma-Chlordane	1	5.94	5.89	5.99	23.7	2.9
	2	5.12	5.07	5.17	24.4	
alpha-Chlordane	1	6.02	5.97	6.07	23.2	4.6
	2	5.18	5.13	5.23	24.3	
4,4'-DDE	1	6.19	6.14	6.24	23.6	2.1
	2	5.37	5.32	5.42	24.1	
Dieldrin	1	6.34	6.29	6.39	24.3	0
	2	5.50	5.45	5.55	24.3	
Endrin	1	6.57	6.52	6.62	24.3	0
	2	5.78	5.73	5.83	24.3	
Endosulfan II	1	6.78	6.73	6.83	23.8	2.9
	2	6.07	6.02	6.12	24.5	
4,4'-DDD	1	6.70	6.65	6.75	24.6	6.7
	2	5.92	5.87	5.97	23.0	
4,4'-DDT	1	7.02	6.97	7.07	24.8	2
	2	6.17	6.12	6.22	25.3	
Endrin aldehyde	1	6.91	6.86	6.96	23.8	1.7
	2	6.25	6.20	6.30	24.2	
Endosulfan sulfate	1	7.15	7.10	7.20	23.5	3.8
	2	6.47	6.42	6.52	24.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

41-LBMS

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

Lab Sample ID: Q3402-07MS **Date(s) Analyzed:** 10/21/2025 10/21/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.49	7.44	7.54	24.2	2.4
	2	6.75	6.70	6.80	24.8	
Endrin ketone	1	7.63	7.58	7.68	24.0	3.3
	2	6.98	6.93	7.03	24.8	
alpha-BHC	1	3.99	3.94	4.04	24.7	2.9
	2	3.39	3.34	3.44	24.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	24.0	0
	2	3.72	3.67	3.77	24.0	
Heptachlor	1	4.92	4.87	4.97	27.9	14.2
	2	4.08	4.03	4.13	24.2	
Aldrin	1	5.26	5.21	5.31	24.1	0
	2	4.36	4.31	4.41	24.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

41-LBMSD

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

Lab Sample ID: Q3402-07MSD **Date(s) Analyzed:** 10/21/2025 10/21/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.78	6.73	6.83	23.8	2.9
	2	6.07	6.02	6.12	24.5	
4,4'-DDD	1	6.70	6.65	6.75	24.6	6.7
	2	5.92	5.87	5.97	23.0	
4,4'-DDT	1	7.02	6.97	7.07	24.9	2
	2	6.17	6.12	6.22	25.4	
Endrin aldehyde	1	6.91	6.86	6.96	23.9	2.5
	2	6.25	6.20	6.30	24.5	
Endosulfan sulfate	1	7.15	7.10	7.20	23.4	4.6
	2	6.47	6.42	6.52	24.5	
Methoxychlor	1	7.49	7.44	7.54	24.4	1.6
	2	6.75	6.70	6.80	24.8	
Endrin ketone	1	7.63	7.58	7.68	24.1	2.9
	2	6.98	6.93	7.03	24.8	
alpha-BHC	1	3.99	3.94	4.04	24.6	2.5
	2	3.39	3.34	3.44	24.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	23.9	0.4
	2	3.72	3.67	3.77	24.0	
Heptachlor	1	4.92	4.87	4.97	28.0	14.1
	2	4.08	4.03	4.13	24.3	
Aldrin	1	5.26	5.21	5.31	24.1	0
	2	4.36	4.31	4.41	24.1	
beta-BHC	1	4.51	4.46	4.56	23.2	2.1
	2	4.02	3.97	4.07	23.7	
delta-BHC	1	4.76	4.71	4.81	24.6	2.5
	2	4.26	4.21	4.31	24.0	
Heptachlor epoxide	1	5.68	5.63	5.73	24.2	1.2
	2	4.86	4.81	4.91	23.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

41-LBMSD

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

Lab Sample ID: Q3402-07MSD **Date(s) Analyzed:** 10/21/2025 10/21/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	23.9	0.4
	2	5.24	5.19	5.29	23.8	
gamma-Chlordane	1	5.94	5.89	5.99	23.8	2.5
	2	5.12	5.07	5.17	24.4	
alpha-Chlordane	1	6.02	5.97	6.07	23.0	5.5
	2	5.18	5.13	5.23	24.3	
4,4'-DDE	1	6.19	6.14	6.24	23.5	2.5
	2	5.37	5.32	5.42	24.1	
Dieldrin	1	6.34	6.29	6.39	24.3	0.4
	2	5.50	5.45	5.55	24.4	
Endrin	1	6.57	6.52	6.62	24.3	0
	2	5.78	5.73	5.83	24.3	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170179BS

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

Lab Sample ID: PB170179BS **Date(s) Analyzed:** 10/21/2025 10/21/2025

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	15.4	1.3
	2	5.92	5.87	5.97	15.2	
4,4'-DDE	1	6.19	6.14	6.24	14.6	4
	2	5.36	5.31	5.41	15.2	
4,4'-DDT	1	7.02	6.97	7.07	15.9	1.9
	2	6.17	6.12	6.22	16.2	
alpha-BHC	1	3.99	3.94	4.04	14.8	0.7
	2	3.39	3.34	3.44	14.7	
Aldrin	1	5.26	5.21	5.31	14.9	0
	2	4.36	4.31	4.41	14.9	
alpha-Chlordane	1	6.02	5.97	6.07	14.4	4.7
	2	5.18	5.13	5.23	15.1	
Endosulfan II	1	6.78	6.73	6.83	15.1	2
	2	6.07	6.02	6.12	15.4	
Endosulfan sulfate	1	7.15	7.10	7.20	14.9	4.6
	2	6.47	6.42	6.52	15.6	
beta-BHC	1	4.51	4.46	4.56	14.6	1.4
	2	4.02	3.97	4.07	14.8	
delta-BHC	1	4.76	4.71	4.81	15.0	0
	2	4.25	4.20	4.30	15.0	
Endosulfan I	1	6.07	6.02	6.12	14.9	0.7
	2	5.24	5.19	5.29	14.8	
Dieldrin	1	6.34	6.29	6.39	15.1	1.3
	2	5.50	5.45	5.55	15.3	
Endrin aldehyde	1	6.91	6.86	6.96	15.4	2.6
	2	6.25	6.20	6.30	15.8	
Methoxychlor	1	7.49	7.44	7.54	15.6	2.5
	2	6.74	6.69	6.79	16.0	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170179BS

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

Lab Sample ID: PB170179BS **Date(s) Analyzed:** 10/21/2025 10/21/2025

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	15.1	4.5
	2	6.98	6.93	7.03	15.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.7	1.4
	2	3.72	3.67	3.77	14.9	
Heptachlor	1	4.92	4.87	4.97	17.5	14.7
	2	4.07	4.02	4.12	15.1	
Heptachlor epoxide	1	5.69	5.64	5.74	15.1	2
	2	4.86	4.81	4.91	14.8	
gamma-Chlordane	1	5.94	5.89	5.99	14.8	2
	2	5.12	5.07	5.17	15.1	
Endrin	1	6.57	6.52	6.62	15.1	0.7
	2	5.78	5.73	5.83	15.2	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-COMP2-20251016

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

Lab Sample ID: Q3376-03 **Date(s) Analyzed:** 10/21/2025 10/21/2025

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'-DDE	1	6.19	6.14	6.24	1.10	41.7
	2	5.37	5.32	5.42	0.72	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-DP01-20251016

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

Lab Sample ID: Q3376-02 **Date(s) Analyzed:** 10/21/2025 10/21/2025

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	2.50	32.6
	2	5.92	5.87	5.97	1.80	
4,4'-DDE	1	6.19	6.14	6.24	11.7	47.6
	2	5.37	5.32	5.42	7.20	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S05-057082-20251016

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

Lab Sample ID: Q3376-01 **Date(s) Analyzed:** 10/21/2025 10/21/2025

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	2.30	35.9
	2	5.92	5.87	5.97	1.60	
4,4'-DDE	1	6.19	6.14	6.24	14.0	44.5
	2	5.37	5.32	5.42	8.90	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S12-020047-20251016

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

Lab Sample ID: Q3376-05 **Date(s) Analyzed:** 10/21/2025 10/21/2025

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'-DDE	1	6.19	6.14	6.24	0.34	17.3
	2	5.37	5.32	5.42	0.29	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S12-047072-20251016

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3376

Lab Sample ID: Q3376-04

Date(s) Analyzed: 10/21/2025 10/21/2025

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'-DDE	1	6.19	6.14	6.24	6.30	25
	2	5.37	5.32	5.42	4.90	

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LAB CHRONICLE

OrderID:	Q3376	**OrderDate:**	10/17/2025 10:34:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60697095.171208
Contact:	Rob Forstner	**Location:**	Soil,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3376-01	**PR132-S05-057082-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			PCB	8082A		10/21/25	10/21/25	
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3376-02	**PR132-DP01-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			PCB	8082A		10/21/25	10/21/25	
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3376-03	**PR132-COMP2-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			PCB	8082A		10/21/25	10/21/25	
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3376-04	**PR132-S12-047072-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			PCB	8082A		10/21/25	10/21/25	
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3376-05	**PR132-S12-020047-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			PCB	8082A		10/21/25	10/21/25	
			Pesticide-TCL	8081B		10/21/25	10/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3376 **Order ID:** Q3376

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-S05-057082-20251016								
Q3376-01	PR132-S05-057082-2(	SOIL	Aroclor-1254	30.0	J	6.00	31.7	ug/kg
			Total Concentration:	**30.000**				
Client ID : PR132-DP01-20251016								
Q3376-02	PR132-DP01-2025101	SOIL	Aroclor-1254	29.2	J	6.00	31.7	ug/kg
			Total Concentration:	**29.200**				
Client ID : PR132-S12-047072-20251016								
Q3376-04	PR132-S12-047072-2(	SOIL	Aroclor-1248	48.4		11.5	33.1	ug/kg
			Total Concentration:	**48.400**				
Client ID : PR132-S12-020047-20251016								
Q3376-05	PR132-S12-020047-2(	SOIL	Aroclor-1248	10.7	J	8.90	25.4	ug/kg
			Total Concentration:	**10.700**				

SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-057082-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	53.5
Sample Wt/Vol:	30.08 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	31.7	U	1	7.40	31.7	ug/kg	10/21/25 14:00	PB170178
11104-28-2	Aroclor-1221	31.7	U	1	7.50	31.7	ug/kg	10/21/25 14:00	PB170178
11141-16-5	Aroclor-1232	31.7	U	1	6.90	31.7	ug/kg	10/21/25 14:00	PB170178
53469-21-9	Aroclor-1242	31.7	U	1	7.50	31.7	ug/kg	10/21/25 14:00	PB170178
12672-29-6	Aroclor-1248	31.7	U	1	11.0	31.7	ug/kg	10/21/25 14:00	PB170178
11097-69-1	Aroclor-1254	30.0	J	1	6.00	31.7	ug/kg	10/21/25 14:00	PB170178
37324-23-5	Aroclor-1262	31.7	U	1	9.40	31.7	ug/kg	10/21/25 14:00	PB170178
11100-14-4	Aroclor-1268	31.7	U	1	6.70	31.7	ug/kg	10/21/25 14:00	PB170178
11096-82-5	Aroclor-1260	31.7	U	1	6.00	31.7	ug/kg	10/21/25 14:00	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.8			32 - 144	99%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.4			32 - 175	102%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP01-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	53.6
Sample Wt/Vol:	30.04 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	31.7	U	1	7.40	31.7	ug/kg	10/21/25 14:15	PB170178
11104-28-2	Aroclor-1221	31.7	U	1	7.50	31.7	ug/kg	10/21/25 14:15	PB170178
11141-16-5	Aroclor-1232	31.7	U	1	6.90	31.7	ug/kg	10/21/25 14:15	PB170178
53469-21-9	Aroclor-1242	31.7	U	1	7.50	31.7	ug/kg	10/21/25 14:15	PB170178
12672-29-6	Aroclor-1248	31.7	U	1	11.0	31.7	ug/kg	10/21/25 14:15	PB170178
11097-69-1	Aroclor-1254	29.2	J	1	6.00	31.7	ug/kg	10/21/25 14:15	PB170178
37324-23-5	Aroclor-1262	31.7	U	1	9.40	31.7	ug/kg	10/21/25 14:15	PB170178
11100-14-4	Aroclor-1268	31.7	U	1	6.70	31.7	ug/kg	10/21/25 14:15	PB170178
11096-82-5	Aroclor-1260	31.7	U	1	6.00	31.7	ug/kg	10/21/25 14:15	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	17.3			32 - 144	86%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.1			32 - 175	81%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-COMP2-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	52.7
Sample Wt/Vol:	30.02 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	32.2	U	1	7.50	32.2	ug/kg	10/21/25 14:30	PB170178
11104-28-2	Aroclor-1221	32.2	U	1	7.60	32.2	ug/kg	10/21/25 14:30	PB170178
11141-16-5	Aroclor-1232	32.2	U	1	7.10	32.2	ug/kg	10/21/25 14:30	PB170178
53469-21-9	Aroclor-1242	32.2	U	1	7.60	32.2	ug/kg	10/21/25 14:30	PB170178
12672-29-6	Aroclor-1248	32.2	U	1	11.2	32.2	ug/kg	10/21/25 14:30	PB170178
11097-69-1	Aroclor-1254	32.2	U	1	6.10	32.2	ug/kg	10/21/25 14:30	PB170178
37324-23-5	Aroclor-1262	32.2	U	1	9.50	32.2	ug/kg	10/21/25 14:30	PB170178
11100-14-4	Aroclor-1268	32.2	U	1	6.80	32.2	ug/kg	10/21/25 14:30	PB170178
11096-82-5	Aroclor-1260	32.2	U	1	6.10	32.2	ug/kg	10/21/25 14:30	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.1			32 - 144	96%	SPK: 20		
2051-24-3	Decachlorobiphenyl	17.4			32 - 175	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
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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:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-047072-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	51.3
Sample Wt/Vol:	30.05 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	33.1	U	1	7.70	33.1	ug/kg	10/21/25 14:44	PB170178
11104-28-2	Aroclor-1221	33.1	U	1	7.80	33.1	ug/kg	10/21/25 14:44	PB170178
11141-16-5	Aroclor-1232	33.1	U	1	7.20	33.1	ug/kg	10/21/25 14:44	PB170178
53469-21-9	Aroclor-1242	33.1	U	1	7.80	33.1	ug/kg	10/21/25 14:44	PB170178
12672-29-6	Aroclor-1248	48.4		1	11.5	33.1	ug/kg	10/21/25 14:44	PB170178
11097-69-1	Aroclor-1254	33.1	U	1	6.20	33.1	ug/kg	10/21/25 14:44	PB170178
37324-23-5	Aroclor-1262	33.1	U	1	9.80	33.1	ug/kg	10/21/25 14:44	PB170178
11100-14-4	Aroclor-1268	33.1	U	1	7.00	33.1	ug/kg	10/21/25 14:44	PB170178
11096-82-5	Aroclor-1260	33.1	U	1	6.30	33.1	ug/kg	10/21/25 14:44	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	26.4			32 - 144	132%	SPK: 20		
2051-24-3	Decachlorobiphenyl	27.1			32 - 175	135%	SPK: 20		

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-020047-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-05	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	66.8
Sample Wt/Vol:	30.01 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	25.4	U	1	5.90	25.4	ug/kg	10/21/25 14:59	PB170178
11104-28-2	Aroclor-1221	25.4	U	1	6.00	25.4	ug/kg	10/21/25 14:59	PB170178
11141-16-5	Aroclor-1232	25.4	U	1	5.60	25.4	ug/kg	10/21/25 14:59	PB170178
53469-21-9	Aroclor-1242	25.4	U	1	6.00	25.4	ug/kg	10/21/25 14:59	PB170178
12672-29-6	Aroclor-1248	10.7	J	1	8.90	25.4	ug/kg	10/21/25 14:59	PB170178
11097-69-1	Aroclor-1254	25.4	U	1	4.80	25.4	ug/kg	10/21/25 14:59	PB170178
37324-23-5	Aroclor-1262	25.4	U	1	7.50	25.4	ug/kg	10/21/25 14:59	PB170178
11100-14-4	Aroclor-1268	25.4	U	1	5.40	25.4	ug/kg	10/21/25 14:59	PB170178
11096-82-5	Aroclor-1260	25.4	U	1	4.80	25.4	ug/kg	10/21/25 14:59	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	25.1			32 - 144	125%	SPK: 20		
2051-24-3	Decachlorobiphenyl	21.9			32 - 175	109%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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N = Presumptive Evidence of a Compound
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D = Dilution
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() = Laboratory InHouse Limit

QC SUMMARY

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Surrogate Summary

SDG No.: Q3376

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-PQ071033.D	PIBLK-PQ071033.D	Tetrachloro-m-xyl	1	20	21.8	109		60	140
		Decachlorobiphen	1	20	24.8	124		60	140
		Tetrachloro-m-xyl	2	20	20.7	104		60	140
		Decachlorobiphen	2	20	24.5	123		60	140
PB170178BL	PB170178BL	Tetrachloro-m-xyl	1	20	26.1	130		32	144
		Decachlorobiphen	1	20	29.7	148		32	175
		Tetrachloro-m-xyl	2	20	23.8	119		32	144
		Decachlorobiphen	2	20	28.1	141		32	175
Q3376-01	PR132-S05-057082-20251016	Tetrachloro-m-xyl	1	20	19.8	99		32	144
		Decachlorobiphen	1	20	20.4	102		32	175
		Tetrachloro-m-xyl	2	20	17.9	89		32	144
		Decachlorobiphen	2	20	19.9	100		32	175
Q3376-02	PR132-DP01-20251016	Tetrachloro-m-xyl	1	20	17.3	86		32	144
		Decachlorobiphen	1	20	16.1	81		32	175
		Tetrachloro-m-xyl	2	20	15.2	76		32	144
		Decachlorobiphen	2	20	15.4	77		32	175
Q3376-03	PR132-COMP2-20251016	Tetrachloro-m-xyl	1	20	19.1	96		32	144
		Decachlorobiphen	1	20	17.4	87		32	175
		Tetrachloro-m-xyl	2	20	17.8	89		32	144
		Decachlorobiphen	2	20	16.2	81		32	175
Q3376-04	PR132-S12-047072-20251016	Tetrachloro-m-xyl	1	20	26.4	132		32	144
		Decachlorobiphen	1	20	27.1	135		32	175
		Tetrachloro-m-xyl	2	20	25.0	125		32	144
		Decachlorobiphen	2	20	26.6	133		32	175
Q3376-05	PR132-S12-020047-20251016	Tetrachloro-m-xyl	1	20	25.1	125		32	144
		Decachlorobiphen	1	20	21.9	109		32	175
		Tetrachloro-m-xyl	2	20	24.6	123		32	144
		Decachlorobiphen	2	20	21.6	108		32	175
Q3402-01MS	41-LAMS	Tetrachloro-m-xyl	1	20	23.0	115		32	144
		Decachlorobiphen	1	20	14.8	74		32	175
		Tetrachloro-m-xyl	2	20	20.9	104		32	144
		Decachlorobiphen	2	20	14.0	70		32	175
Q3402-01MSD	41-LAMSD	Tetrachloro-m-xyl	1	20	23.0	115		32	144
		Decachlorobiphen	1	20	14.4	72		32	175
		Tetrachloro-m-xyl	2	20	20.5	103		32	144
		Decachlorobiphen	2	20	13.7	68		32	175
I.BLK-PQ071048.D	PIBLK-PQ071048.D	Tetrachloro-m-xyl	1	20	19.9	100		60	140

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Surrogate Summary

SDG No.: Q3376

Client: AECOM

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PQ071048.D	PIBLK-PQ071048.D	Decachlorobiphen	1	20	22.3	112		60	140
		Tetrachloro-m-xyl	2	20	18.9	95		60	140
		Decachlorobiphen	2	20	22.5	113		60	140
I.BLK-PQ071138.D	PIBLK-PQ071138.D	Tetrachloro-m-xyl	1	20	21.4	107		60	140
		Decachlorobiphen	1	20	24.7	124		60	140
		Tetrachloro-m-xyl	2	20	19.5	98		60	140
		Decachlorobiphen	2	20	23.6	118		60	140
PB170178BS	PB170178BS	Tetrachloro-m-xyl	1	20	22.4	112		32	144
		Decachlorobiphen	1	20	25.7	129		32	175
		Tetrachloro-m-xyl	2	20	19.0	95		32	144
		Decachlorobiphen	2	20	24.3	122		32	175
I.BLK-PQ071147.D	PIBLK-PQ071147.D	Tetrachloro-m-xyl	1	20	20.9	105		60	140
		Decachlorobiphen	1	20	24.7	123		60	140
		Tetrachloro-m-xyl	2	20	19.4	97		60	140
		Decachlorobiphen	2	20	23.3	117		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** 8082A

Client: AECOM **DataFile :** PQ071042.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3402-01MS (Column 1)**	**Client Sample ID:**		**41-LAMS**								
	AR1016	240.3	0	224	ug/kg	93				55	146	
	AR1260	240.3	0	183	ug/kg	76				54	119	
Lab Sample ID:	**Q3402-01MS (Column 2)**	**Client Sample ID:**		**41-LAMS**								
	AR1016	240.3	0	199	ug/kg	83				55	146	
	AR1260	240.3	0	167	ug/kg	69				54	119	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** 8082A

Client: AECOM **DataFile :** PQ071043.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3402-01MSD (Column 1)**	**Client Sample ID:**		**41-LAMSD**								
	AR1016	240.4	0	222	ug/kg	92		1		55	146	15
	AR1260	240.4	0	179	ug/kg	74		3		54	119	15
Lab Sample ID:	**Q3402-01MSD (Column 2)**	**Client Sample ID:**		**41-LAMSD**								
	AR1016	240.4	0	196	ug/kg	82		1		55	146	15
	AR1260	240.4	0	164	ug/kg	68		1		54	119	15

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** 8082A

Client: AECOM **Datafile :** PQ071140.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170178BS (Column 1)	AR1016	166.5	183	ug/kg	110				71	120	
	AR1260	166.5	181	ug/kg	109				65	130	
PB170178BS (Column 2)	AR1016	166.5	150	ug/kg	90				71	120	
	AR1260	166.5	149	ug/kg	89				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB170178BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3376

Lab Sample ID: PB170178BL | Lab File ID: PQ071034.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 10/21/2025

Date Analyzed (1): 10/21/2025 | Date Analyzed (2): 10/21/2025

Time Analyzed (1): 13:31 | Time Analyzed (2): 13:31

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-S05-057082-20251016	Q3376-01	PQ071036.D	10/21/2025	10/21/2025
PR132-DP01-20251016	Q3376-02	PQ071037.D	10/21/2025	10/21/2025
PR132-COMP2-20251016	Q3376-03	PQ071038.D	10/21/2025	10/21/2025
PR132-S12-047072-20251016	Q3376-04	PQ071039.D	10/21/2025	10/21/2025
PR132-S12-020047-20251016	Q3376-05	PQ071040.D	10/21/2025	10/21/2025
41-LAMS	Q3402-01MS	PQ071042.D	10/21/2025	10/21/2025
41-LAMSD	Q3402-01MSD	PQ071043.D	10/21/2025	10/21/2025
PB170178BS	PB170178BS	PQ071140.D	10/24/2025	10/24/2025

COMMENTS:

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

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.:** Q3376

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.:** Q3376

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 **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

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: 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.:** Q3376

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.:** Q3376

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.:** Q3376

Continuing Calib Date: 10/21/2025 **Initial Calibration Date(s):** 10/10/2025 10/10/2025

Continuing Calib Time: 11:06 **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.:** Q3376

Continuing Calib Date: 10/21/2025 **Initial Calibration Date(s):** 10/10/2025 10/10/2025

Continuing Calib Time: 11:06 **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.:** Q3376

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

Client Sample No.: CCAL01 **Date Analyzed:** 10/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071029.D **Time Analyzed:** 11:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.480	4.380	4.580	528.530	500.000	5.7
Aroclor-1016-2	4.499	4.399	4.599	530.130	500.000	6.0
Aroclor-1016-3	4.557	4.456	4.656	543.840	500.000	8.8
Aroclor-1016-4	4.646	4.546	4.746	538.840	500.000	7.8
Aroclor-1016-5	4.931	4.831	5.031	538.570	500.000	7.7
Aroclor-1260-1	6.021	5.919	6.119	525.500	500.000	5.1
Aroclor-1260-2	6.277	6.175	6.375	523.040	500.000	4.6
Aroclor-1260-3	6.628	6.526	6.726	550.320	500.000	10.1
Aroclor-1260-4	6.841	6.740	6.940	559.640	500.000	11.9
Aroclor-1260-5	7.146	7.045	7.245	545.310	500.000	9.1
Decachlorobiphenyl	8.496	8.396	8.596	54.800	50.000	9.6
Tetrachloro-m-xylene	3.400	3.300	3.500	54.570	50.000	9.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

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

Client Sample No.: CCAL01 **Date Analyzed:** 10/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071029.D **Time Analyzed:** 11:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.777	3.678	3.878	447.820	500.000	-10.4
Aroclor-1016-2	3.792	3.693	3.893	454.090	500.000	-9.2
Aroclor-1016-3	3.952	3.853	4.053	469.870	500.000	-6.0
Aroclor-1016-4	4.001	3.902	4.102	479.910	500.000	-4.0
Aroclor-1016-5	4.196	4.097	4.297	467.650	500.000	-6.5
Aroclor-1260-1	5.188	5.089	5.289	465.160	500.000	-7.0
Aroclor-1260-2	5.377	5.278	5.478	457.420	500.000	-8.5
Aroclor-1260-3	5.519	5.419	5.619	464.910	500.000	-7.0
Aroclor-1260-4	5.979	5.879	6.079	468.670	500.000	-6.3
Aroclor-1260-5	6.223	6.124	6.324	462.640	500.000	-7.5
Decachlorobiphenyl	7.533	7.433	7.633	54.060	50.000	8.1
Tetrachloro-m-xylene	2.777	2.678	2.878	49.880	50.000	-0.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

Continuing Calib Date: 10/21/2025 **Initial Calibration Date(s):** 10/10/2025 10/10/2025

Continuing Calib Time: 16:41 **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.:** Q3376

Continuing Calib Date: 10/21/2025 **Initial Calibration Date(s):** 10/10/2025 10/10/2025

Continuing Calib Time: 16:41 **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.:** Q3376

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

Client Sample No.: CCAL02 **Date Analyzed:** 10/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071044.D **Time Analyzed:** 16:41

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.480	4.380	4.580	534.530	500.000	6.9
Aroclor-1016-2	4.499	4.399	4.599	541.920	500.000	8.4
Aroclor-1016-3	4.556	4.456	4.656	553.860	500.000	10.8
Aroclor-1016-4	4.646	4.546	4.746	553.000	500.000	10.6
Aroclor-1016-5	4.931	4.831	5.031	544.190	500.000	8.8
Aroclor-1260-1	6.021	5.919	6.119	531.460	500.000	6.3
Aroclor-1260-2	6.276	6.175	6.375	531.970	500.000	6.4
Aroclor-1260-3	6.627	6.526	6.726	554.240	500.000	10.8
Aroclor-1260-4	6.841	6.740	6.940	566.600	500.000	13.3
Aroclor-1260-5	7.147	7.045	7.245	560.470	500.000	12.1
Decachlorobiphenyl	8.499	8.396	8.596	56.520	50.000	13.0
Tetrachloro-m-xylene	3.399	3.300	3.500	54.110	50.000	8.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

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

Client Sample No.: CCAL02 **Date Analyzed:** 10/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071044.D **Time Analyzed:** 16:41

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.776	3.678	3.878	455.190	500.000	-9.0
Aroclor-1016-2	3.792	3.693	3.893	458.730	500.000	-8.3
Aroclor-1016-3	3.952	3.853	4.053	475.870	500.000	-4.8
Aroclor-1016-4	4.001	3.902	4.102	481.420	500.000	-3.7
Aroclor-1016-5	4.196	4.097	4.297	472.600	500.000	-5.5
Aroclor-1260-1	5.188	5.089	5.289	482.970	500.000	-3.4
Aroclor-1260-2	5.377	5.278	5.478	467.330	500.000	-6.5
Aroclor-1260-3	5.519	5.419	5.619	471.320	500.000	-5.7
Aroclor-1260-4	5.978	5.879	6.079	473.940	500.000	-5.2
Aroclor-1260-5	6.223	6.124	6.324	471.650	500.000	-5.7
Decachlorobiphenyl	7.533	7.433	7.633	55.480	50.000	11.0
Tetrachloro-m-xylene	2.777	2.678	2.878	50.160	50.000	0.3

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

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

Continuing Calib Time: 13:57 **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	0.01
Aroclor-1016-4	(4)	4.65	4.65	4.55	4.75	0.01
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.:** Q3376

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

Continuing Calib Time: 13:57 **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)	4.19	4.20	4.10	4.30	0.01
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.:** Q3376

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 :** PQ071134.D **Time Analyzed:** 13:57

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.479	4.380	4.580	526.520	500.000	5.3
Aroclor-1016-2	4.498	4.399	4.599	518.670	500.000	3.7
Aroclor-1016-3	4.555	4.456	4.656	529.350	500.000	5.9
Aroclor-1016-4	4.645	4.546	4.746	529.330	500.000	5.9
Aroclor-1016-5	4.931	4.831	5.031	530.670	500.000	6.1
Aroclor-1260-1	6.020	5.919	6.119	517.720	500.000	3.5
Aroclor-1260-2	6.276	6.175	6.375	527.440	500.000	5.5
Aroclor-1260-3	6.626	6.526	6.726	541.970	500.000	8.4
Aroclor-1260-4	6.840	6.740	6.940	552.700	500.000	10.5
Aroclor-1260-5	7.147	7.045	7.245	544.530	500.000	8.9
Decachlorobiphenyl	8.496	8.396	8.596	55.010	50.000	10.0
Tetrachloro-m-xylene	3.399	3.300	3.500	51.670	50.000	3.3

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

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 :** PQ071134.D **Time Analyzed:** 13:57

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.776	3.678	3.878	426.650	500.000	-14.7
Aroclor-1016-2	3.791	3.693	3.893	423.200	500.000	-15.4
Aroclor-1016-3	3.951	3.853	4.053	435.820	500.000	-12.8
Aroclor-1016-4	4.000	3.902	4.102	441.110	500.000	-11.8
Aroclor-1016-5	4.194	4.097	4.297	436.050	500.000	-12.8
Aroclor-1260-1	5.187	5.089	5.289	440.070	500.000	-12.0
Aroclor-1260-2	5.376	5.278	5.478	434.740	500.000	-13.1
Aroclor-1260-3	5.517	5.419	5.619	435.540	500.000	-12.9
Aroclor-1260-4	5.977	5.879	6.079	443.990	500.000	-11.2
Aroclor-1260-5	6.221	6.124	6.324	440.770	500.000	-11.8
Decachlorobiphenyl	7.531	7.433	7.633	51.870	50.000	3.7
Tetrachloro-m-xylene	2.776	2.678	2.878	46.000	50.000	-8.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

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

Continuing Calib Time: 17:21 **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	0.01
Aroclor-1016-4	(4)	4.65	4.65	4.55	4.75	0.01
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)	6.27	6.28	6.18	6.38	0.01
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	0.01
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.:** Q3376

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

Continuing Calib Time: 17:21 **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)	4.19	4.20	4.10	4.30	0.01
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.:** Q3376

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 :** PQ071145.D **Time Analyzed:** 17:21

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.479	4.380	4.580	519.230	500.000	3.8
Aroclor-1016-2	4.498	4.399	4.599	522.060	500.000	4.4
Aroclor-1016-3	4.555	4.456	4.656	533.570	500.000	6.7
Aroclor-1016-4	4.645	4.546	4.746	534.850	500.000	7.0
Aroclor-1016-5	4.929	4.831	5.031	531.200	500.000	6.2
Aroclor-1260-1	6.019	5.919	6.119	511.710	500.000	2.3
Aroclor-1260-2	6.274	6.175	6.375	517.130	500.000	3.4
Aroclor-1260-3	6.626	6.526	6.726	555.580	500.000	11.1
Aroclor-1260-4	6.840	6.740	6.940	559.920	500.000	12.0
Aroclor-1260-5	7.145	7.045	7.245	554.240	500.000	10.8
Decachlorobiphenyl	8.496	8.396	8.596	55.690	50.000	11.4
Tetrachloro-m-xylene	3.399	3.300	3.500	52.260	50.000	4.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3376

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 :** PQ071145.D **Time Analyzed:** 17:21

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.775	3.678	3.878	425.620	500.000	-14.9
Aroclor-1016-2	3.791	3.693	3.893	426.460	500.000	-14.7
Aroclor-1016-3	3.951	3.853	4.053	444.290	500.000	-11.1
Aroclor-1016-4	4.000	3.902	4.102	443.950	500.000	-11.2
Aroclor-1016-5	4.194	4.097	4.297	433.880	500.000	-13.2
Aroclor-1260-1	5.187	5.089	5.289	462.090	500.000	-7.6
Aroclor-1260-2	5.377	5.278	5.478	444.270	500.000	-11.1
Aroclor-1260-3	5.517	5.419	5.619	427.930	500.000	-14.4
Aroclor-1260-4	5.977	5.879	6.079	449.520	500.000	-10.1
Aroclor-1260-5	6.222	6.124	6.324	426.790	500.000	-14.6
Decachlorobiphenyl	7.531	7.433	7.633	52.860	50.000	5.7
Tetrachloro-m-xylene	2.776	2.678	2.878	45.740	50.000	-8.5

Alliance TECHNICAL GROUP
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Analytical Sequence

Client: AECOM **SDG No.:** Q3376

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	10/21/2025	11:06	PQ071029.D	8.50	3.40
I.BLK	I.BLK	10/21/2025	12:09	PQ071033.D	8.50	3.40
PB170178BL	PB170178BL	10/21/2025	13:31	PQ071034.D	8.52	3.42
PR132-S05-057082-20251016	Q3376-01	10/21/2025	14:00	PQ071036.D	8.50	3.40
PR132-DP01-20251016	Q3376-02	10/21/2025	14:15	PQ071037.D	8.50	3.40
PR132-COMP2-20251016	Q3376-03	10/21/2025	14:30	PQ071038.D	8.50	3.40
PR132-S12-047072-20251016	Q3376-04	10/21/2025	14:44	PQ071039.D	8.50	3.40
PR132-S12-020047-20251016	Q3376-05	10/21/2025	14:59	PQ071040.D	8.50	3.40
41-LAMS	Q3402-01MS	10/21/2025	15:28	PQ071042.D	8.50	3.40
41-LAMSD	Q3402-01MSD	10/21/2025	15:42	PQ071043.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/21/2025	16:41	PQ071044.D	8.50	3.40
I.BLK	I.BLK	10/21/2025	18:08	PQ071048.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/24/2025	13:57	PQ071134.D	8.50	3.40

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Analytical Sequence

I.BLK	I.BLK	10/24/2025	14:55	PQ071138.D	8.50	3.40
PB170178BS	PB170178BS	10/24/2025	15:24	PQ071140.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/24/2025	17:21	PQ071145.D	8.50	3.40
I.BLK	I.BLK	10/24/2025	18:05	PQ071147.D	8.50	3.40

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Analytical Sequence

Client: AECOM **SDG No.:** Q3376

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	10/21/2025	11:06	PQ071029.D	7.53	2.78
I.BLK	I.BLK	10/21/2025	12:09	PQ071033.D	7.53	2.78
PB170178BL	PB170178BL	10/21/2025	13:31	PQ071034.D	7.54	2.77
PR132-S05-057082-20251016	Q3376-01	10/21/2025	14:00	PQ071036.D	7.53	2.78
PR132-DP01-20251016	Q3376-02	10/21/2025	14:15	PQ071037.D	7.53	2.78
PR132-COMP2-20251016	Q3376-03	10/21/2025	14:30	PQ071038.D	7.53	2.78
PR132-S12-047072-20251016	Q3376-04	10/21/2025	14:44	PQ071039.D	7.53	2.78
PR132-S12-020047-20251016	Q3376-05	10/21/2025	14:59	PQ071040.D	7.53	2.78
41-LAMS	Q3402-01MS	10/21/2025	15:28	PQ071042.D	7.53	2.78
41-LAMSD	Q3402-01MSD	10/21/2025	15:42	PQ071043.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/21/2025	16:41	PQ071044.D	7.53	2.78
I.BLK	I.BLK	10/21/2025	18:08	PQ071048.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/24/2025	13:57	PQ071134.D	7.53	2.78

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Analytical Sequence

I.BLK	I.BLK	10/24/2025	14:55	PQ071138.D	7.53	2.78
PB170178BS	PB170178BS	10/24/2025	15:24	PQ071140.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/24/2025	17:21	PQ071145.D	7.53	2.78
I.BLK	I.BLK	10/24/2025	18:05	PQ071147.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:	PB170178BL	SDG No.:	Q3376
Lab Sample ID:	PB170178BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/21/25		

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	10/21/25 13:31	PB170178
11104-28-2	Aroclor-1221	17.0	U	1	4.00	17.0	ug/kg	10/21/25 13:31	PB170178
11141-16-5	Aroclor-1232	17.0	U	1	3.70	17.0	ug/kg	10/21/25 13:31	PB170178
53469-21-9	Aroclor-1242	17.0	U	1	4.00	17.0	ug/kg	10/21/25 13:31	PB170178
12672-29-6	Aroclor-1248	17.0	U	1	5.90	17.0	ug/kg	10/21/25 13:31	PB170178
11097-69-1	Aroclor-1254	17.0	U	1	3.20	17.0	ug/kg	10/21/25 13:31	PB170178
37324-23-5	Aroclor-1262	17.0	U	1	5.00	17.0	ug/kg	10/21/25 13:31	PB170178
11100-14-4	Aroclor-1268	17.0	U	1	3.60	17.0	ug/kg	10/21/25 13:31	PB170178
11096-82-5	Aroclor-1260	17.0	U	1	3.20	17.0	ug/kg	10/21/25 13:31	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	26.1			32 - 144	130%	SPK: 20		
2051-24-3	Decachlorobiphenyl	29.7			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
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.:	Q3376
Lab Sample ID:	I.BLK-PQ070972.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/10/25	pq101025
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/10/25	pq101025
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/10/25	pq101025
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/10/25	pq101025
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/10/25	pq101025
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/10/25	pq101025
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/10/25	pq101025
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/10/25	pq101025
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/10/25	pq101025
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.3			60 - 140	91%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.0			60 - 140	95%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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M = MS/MSD acceptance criteria did not meet requirements

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() = Laboratory InHouse Limit

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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:	PIBLK-PQ071033.D	SDG No.:	Q3376
Lab Sample ID:	I.BLK-PQ071033.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/21/25	PQ102125
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/21/25	PQ102125
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/21/25	PQ102125
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/21/25	PQ102125
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/21/25	PQ102125
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/21/25	PQ102125
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/21/25	PQ102125
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/21/25	PQ102125
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/21/25	PQ102125
SURROGATES									
877-09-8	Tetrachloro-m-xylene	20.7			60 - 140	104%	SPK: 20		
2051-24-3	Decachlorobiphenyl	24.5			60 - 140	123%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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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:	PIBLK-PQ071048.D	SDG No.:	Q3376
Lab Sample ID:	I.BLK-PQ071048.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/21/25	PQ102125
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/21/25	PQ102125
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/21/25	PQ102125
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/21/25	PQ102125
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/21/25	PQ102125
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/21/25	PQ102125
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/21/25	PQ102125
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/21/25	PQ102125
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/21/25	PQ102125
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.9			60 - 140	95%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.3			60 - 140	112%	SPK: 20		

U = Not Detected
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LOD = Limit of Detection
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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	AECOM	Date Collected:	10/24/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/24/25
Client Sample ID:	PIBLK-PQ071138.D	SDG No.:	Q3376
Lab Sample ID:	I.BLK-PQ071138.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/24/25	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	19.5			60 - 140	98%	SPK: 20		
2051-24-3	Decachlorobiphenyl	23.6			60 - 140	118%	SPK: 20		

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LOQ = Limit of Quantitation
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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-PQ071147.D	SDG No.:	Q3376
Lab Sample ID:	I.BLK-PQ071147.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/24/25	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	19.4			60 - 140	97%	SPK: 20		
2051-24-3	Decachlorobiphenyl	23.3			60 - 140	117%	SPK: 20		

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

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170178BS	SDG No.:	Q3376
Lab Sample ID:	PB170178BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	183		1	3.90	17.0	ug/kg	10/24/25 15:24	PB170178
11104-28-2	Aroclor-1221	17.0	U	1	4.00	17.0	ug/kg	10/24/25 15:24	PB170178
11141-16-5	Aroclor-1232	17.0	U	1	3.70	17.0	ug/kg	10/24/25 15:24	PB170178
53469-21-9	Aroclor-1242	17.0	U	1	4.00	17.0	ug/kg	10/24/25 15:24	PB170178
12672-29-6	Aroclor-1248	17.0	U	1	5.90	17.0	ug/kg	10/24/25 15:24	PB170178
11097-69-1	Aroclor-1254	17.0	U	1	3.20	17.0	ug/kg	10/24/25 15:24	PB170178
37324-23-5	Aroclor-1262	17.0	U	1	5.00	17.0	ug/kg	10/24/25 15:24	PB170178
11100-14-4	Aroclor-1268	17.0	U	1	3.60	17.0	ug/kg	10/24/25 15:24	PB170178
11096-82-5	Aroclor-1260	181		1	3.20	17.0	ug/kg	10/24/25 15:24	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.4			32 - 144	112%	SPK: 20		
2051-24-3	Decachlorobiphenyl	25.7			32 - 175	129%	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:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LAMS	SDG No.:	Q3376
Lab Sample ID:	Q3402-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	69.2
Sample Wt/Vol:	30.07 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	224		1	5.70	24.5	ug/kg	10/21/25 15:28	PB170178
11104-28-2	Aroclor-1221	24.5	U	1	5.80	24.5	ug/kg	10/21/25 15:28	PB170178
11141-16-5	Aroclor-1232	24.5	U	1	5.40	24.5	ug/kg	10/21/25 15:28	PB170178
53469-21-9	Aroclor-1242	24.5	U	1	5.80	24.5	ug/kg	10/21/25 15:28	PB170178
12672-29-6	Aroclor-1248	24.5	U	1	8.50	24.5	ug/kg	10/21/25 15:28	PB170178
11097-69-1	Aroclor-1254	24.5	U	1	4.60	24.5	ug/kg	10/21/25 15:28	PB170178
37324-23-5	Aroclor-1262	24.5	U	1	7.20	24.5	ug/kg	10/21/25 15:28	PB170178
11100-14-4	Aroclor-1268	24.5	U	1	5.20	24.5	ug/kg	10/21/25 15:28	PB170178
11096-82-5	Aroclor-1260	183		1	4.70	24.5	ug/kg	10/21/25 15:28	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	23.0			32 - 144	115%	SPK: 20		
2051-24-3	Decachlorobiphenyl	14.8			32 - 175	74%	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:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LAMSD	SDG No.:	Q3376
Lab Sample ID:	Q3402-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	69.2
Sample Wt/Vol:	30.06 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	222		1	5.70	24.5	ug/kg	10/21/25 15:42	PB170178
11104-28-2	Aroclor-1221	24.5	U	1	5.80	24.5	ug/kg	10/21/25 15:42	PB170178
11141-16-5	Aroclor-1232	24.5	U	1	5.40	24.5	ug/kg	10/21/25 15:42	PB170178
53469-21-9	Aroclor-1242	24.5	U	1	5.80	24.5	ug/kg	10/21/25 15:42	PB170178
12672-29-6	Aroclor-1248	24.5	U	1	8.50	24.5	ug/kg	10/21/25 15:42	PB170178
11097-69-1	Aroclor-1254	24.5	U	1	4.60	24.5	ug/kg	10/21/25 15:42	PB170178
37324-23-5	Aroclor-1262	24.5	U	1	7.20	24.5	ug/kg	10/21/25 15:42	PB170178
11100-14-4	Aroclor-1268	24.5	U	1	5.20	24.5	ug/kg	10/21/25 15:42	PB170178
11096-82-5	Aroclor-1260	179		1	4.70	24.5	ug/kg	10/21/25 15:42	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	23.0			32 - 144	115%	SPK: 20		
2051-24-3	Decachlorobiphenyl	14.4			32 - 175	72%	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:	Q3376	**OrderDate:**	10/17/2025 10:34:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60699795.171208
Contact:	Rob Forstner	**Location:**	Soil,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3376-07	**PR132-FB01-20251016**	**Water**			**10/16/25**			**10/16/25**
			Mercury	7470A		10/20/25	10/20/25	
			Metals ICP-TAL	6010D		10/21/25	10/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3376 **Order ID:** Q3376

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-FB01-20251016								
Q3376-07	PR132-FB01-20251016	Water	Aluminum	12.5	J	5.67	50.0	ug/L
Q3376-07	PR132-FB01-20251016	Water	Iron	11.7	J	11.7	50.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-FB01-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-07	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	12.5	J	1	5.67	50.0	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010
7440-36-0	Antimony	25.0	U	1	3.38	25.0	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010
7440-38-2	Arsenic	10.0	U	1	2.56	10.0	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010
7440-39-3	Barium	50.0	U	1	7.28	50.0	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010
7440-41-7	Beryllium	3.00	UN	1	0.28	3.00	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010
7440-43-9	Cadmium	3.00	UNQ	1	0.25	3.00	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010
7440-70-2	Calcium	1000	U	1	117	1000	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010
7440-47-3	Chromium	5.00	U	1	1.06	5.00	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010
7440-48-4	Cobalt	15.0	U	1	1.13	15.0	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010
7440-50-8	Copper	10.0	U	1	2.30	10.0	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010
7439-89-6	Iron	11.7	J	1	11.7	50.0	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010
7439-92-1	Lead	6.00	UN	1	1.15	6.00	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010
7439-95-4	Magnesium	1000	U	1	122	1000	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010
7439-96-5	Manganese	10.0	U	1	2.97	10.0	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010
7439-97-6	Mercury	0.20	UN	1	0.076	0.20	ug/L	10/20/25 09:30	10/20/25 12:25	7470A	7470A
7440-02-0	Nickel	20.0	U	1	1.53	20.0	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010
7440-09-7	Potassium	1000	U	1	459	1000	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010
7782-49-2	Selenium	10.0	U	1	4.82	10.0	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010
7440-22-4	Silver	5.00	U	1	0.81	5.00	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010
7440-23-5	Sodium	1000	U	1	434	1000	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010
7440-28-0	Thallium	20.0	UN	1	2.19	20.0	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010
7440-62-2	Vanadium	20.0	U	1	3.13	20.0	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010
7440-66-6	Zinc	20.0	U	1	8.33	20.0	ug/L	10/21/25 16:10	10/21/25 18:40	6010D	SW3010

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.:** Q3376

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
ICV78	Mercury	4.20	4.0	105	90 - 110	CV	10/20/2025	12:01	LB137583

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

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
CCV54	Mercury	5.12	5.0	102	90 - 110	CV	10/20/2025	12:06	LB137583
CCV55	Mercury	5.24	5.0	105	90 - 110	CV	10/20/2025	12:41	LB137583
CCV56	Mercury	4.86	5.0	97	90 - 110	CV	10/20/2025	12:58	LB137583

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7550	8000	94	90 - 110	P	10/21/2025	12:40	LB137613
	Antimony	3880	4000	97	90 - 110	P	10/21/2025	12:40	LB137613
	Arsenic	3800	4000	95	90 - 110	P	10/21/2025	12:40	LB137613
	Barium	7500	8000	94	90 - 110	P	10/21/2025	12:40	LB137613
	Beryllium	194	200	97	90 - 110	P	10/21/2025	12:40	LB137613
	Cadmium	1890	2000	94	90 - 110	P	10/21/2025	12:40	LB137613
	Calcium	18800	20000	94	90 - 110	P	10/21/2025	12:40	LB137613
	Chromium	784	800	98	90 - 110	P	10/21/2025	12:40	LB137613
	Cobalt	1900	2000	95	90 - 110	P	10/21/2025	12:40	LB137613
	Copper	976	1000	98	90 - 110	P	10/21/2025	12:40	LB137613
	Iron	3800	4000	95	90 - 110	P	10/21/2025	12:40	LB137613
	Lead	3700	4000	92	90 - 110	P	10/21/2025	12:40	LB137613
	Magnesium	18800	20000	94	90 - 110	P	10/21/2025	12:40	LB137613
	Manganese	1860	2000	93	90 - 110	P	10/21/2025	12:40	LB137613
	Nickel	1910	2000	95	90 - 110	P	10/21/2025	12:40	LB137613
	Potassium	18900	20000	94	90 - 110	P	10/21/2025	12:40	LB137613
	Selenium	3850	4000	96	90 - 110	P	10/21/2025	12:40	LB137613
	Silver	956	1000	96	90 - 110	P	10/21/2025	12:40	LB137613
	Sodium	18300	20000	92	90 - 110	P	10/21/2025	12:40	LB137613
	Thallium	3840	4000	96	90 - 110	P	10/21/2025	12:40	LB137613
	Vanadium	1880	2000	94	90 - 110	P	10/21/2025	12:40	LB137613
	Zinc	1920	2000	96	90 - 110	P	10/21/2025	12:40	LB137613

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM
SDG No.: Q3376
Contract: AECO02
Lab Code: ACE
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	110	100	110	80 - 120	P	10/21/2025	12:44	LB137613
	Antimony	52.1	50.0	104	80 - 120	P	10/21/2025	12:44	LB137613
	Arsenic	20.1	20.0	100	80 - 120	P	10/21/2025	12:44	LB137613
	Barium	95.0	100	95	80 - 120	P	10/21/2025	12:44	LB137613
	Beryllium	6.21	6.0	104	80 - 120	P	10/21/2025	12:44	LB137613
	Cadmium	5.68	6.0	95	80 - 120	P	10/21/2025	12:44	LB137613
	Calcium	1990	2000	100	80 - 120	P	10/21/2025	12:44	LB137613
	Chromium	9.98	10.0	100	80 - 120	P	10/21/2025	12:44	LB137613
	Cobalt	28.8	30.0	96	80 - 120	P	10/21/2025	12:44	LB137613
	Copper	21.5	20.0	107	80 - 120	P	10/21/2025	12:44	LB137613
	Iron	109	100	109	80 - 120	P	10/21/2025	12:44	LB137613
	Lead	11.0	12.0	92	80 - 120	P	10/21/2025	12:44	LB137613
	Magnesium	2060	2000	103	80 - 120	P	10/21/2025	12:44	LB137613
	Manganese	19.7	20.0	98	80 - 120	P	10/21/2025	12:44	LB137613
	Nickel	38.9	40.0	97	80 - 120	P	10/21/2025	12:44	LB137613
	Potassium	1980	2000	99	80 - 120	P	10/21/2025	12:44	LB137613
	Selenium	23.1	20.0	115	80 - 120	P	10/21/2025	12:44	LB137613
	Silver	10.3	10.0	103	80 - 120	P	10/21/2025	12:44	LB137613
	Sodium	1790	2000	90	80 - 120	P	10/21/2025	12:44	LB137613
	Thallium	41.7	40.0	104	80 - 120	P	10/21/2025	12:44	LB137613
	Vanadium	34.8	40.0	87	80 - 120	P	10/21/2025	12:44	LB137613
	Zinc	41.7	40.0	104	80 - 120	P	10/21/2025	12:44	LB137613

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9780	10000	98	90 - 110	P	10/21/2025	13:45	LB137613
	Antimony	4830	5000	97	90 - 110	P	10/21/2025	13:45	LB137613
	Arsenic	4820	5000	96	90 - 110	P	10/21/2025	13:45	LB137613
	Barium	9660	10000	97	90 - 110	P	10/21/2025	13:45	LB137613
	Beryllium	242	250	97	90 - 110	P	10/21/2025	13:45	LB137613
	Cadmium	2420	2500	97	90 - 110	P	10/21/2025	13:45	LB137613
	Calcium	24200	25000	97	90 - 110	P	10/21/2025	13:45	LB137613
	Chromium	976	1000	98	90 - 110	P	10/21/2025	13:45	LB137613
	Cobalt	2410	2500	96	90 - 110	P	10/21/2025	13:45	LB137613
	Copper	1220	1250	98	90 - 110	P	10/21/2025	13:45	LB137613
	Iron	4750	5000	95	90 - 110	P	10/21/2025	13:45	LB137613
	Lead	4800	5000	96	90 - 110	P	10/21/2025	13:45	LB137613
	Magnesium	24300	25000	97	90 - 110	P	10/21/2025	13:45	LB137613
	Manganese	2410	2500	96	90 - 110	P	10/21/2025	13:45	LB137613
	Nickel	2410	2500	97	90 - 110	P	10/21/2025	13:45	LB137613
	Potassium	23800	25000	95	90 - 110	P	10/21/2025	13:45	LB137613
	Selenium	4820	5000	96	90 - 110	P	10/21/2025	13:45	LB137613
	Silver	1200	1250	96	90 - 110	P	10/21/2025	13:45	LB137613
	Sodium	23900	25000	96	90 - 110	P	10/21/2025	13:45	LB137613
	Thallium	5230	5000	104	90 - 110	P	10/21/2025	13:45	LB137613
	Vanadium	2430	2500	97	90 - 110	P	10/21/2025	13:45	LB137613
	Zinc	2430	2500	97	90 - 110	P	10/21/2025	13:45	LB137613
CCV02	Aluminum	9530	10000	95	90 - 110	P	10/21/2025	15:03	LB137613
	Antimony	4980	5000	100	90 - 110	P	10/21/2025	15:03	LB137613
	Arsenic	4830	5000	97	90 - 110	P	10/21/2025	15:03	LB137613
	Barium	9800	10000	98	90 - 110	P	10/21/2025	15:03	LB137613
	Beryllium	227	250	91	90 - 110	P	10/21/2025	15:03	LB137613
	Cadmium	2310	2500	92	90 - 110	P	10/21/2025	15:03	LB137613
	Calcium	23700	25000	95	90 - 110	P	10/21/2025	15:03	LB137613
	Chromium	934	1000	93	90 - 110	P	10/21/2025	15:03	LB137613
	Cobalt	2340	2500	94	90 - 110	P	10/21/2025	15:03	LB137613
	Copper	1210	1250	96	90 - 110	P	10/21/2025	15:03	LB137613
	Iron	4910	5000	98	90 - 110	P	10/21/2025	15:03	LB137613
	Lead	4660	5000	93	90 - 110	P	10/21/2025	15:03	LB137613

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	23200	25000	93	90 - 110	P	10/21/2025	15:03	LB137613
	Manganese	2380	2500	95	90 - 110	P	10/21/2025	15:03	LB137613
	Nickel	2330	2500	93	90 - 110	P	10/21/2025	15:03	LB137613
	Potassium	24700	25000	99	90 - 110	P	10/21/2025	15:03	LB137613
	Selenium	4920	5000	98	90 - 110	P	10/21/2025	15:03	LB137613
	Silver	1200	1250	96	90 - 110	P	10/21/2025	15:03	LB137613
	Sodium	24800	25000	99	90 - 110	P	10/21/2025	15:03	LB137613
	Thallium	4950	5000	99	90 - 110	P	10/21/2025	15:03	LB137613
	Vanadium	2390	2500	96	90 - 110	P	10/21/2025	15:03	LB137613
	Zinc	2370	2500	95	90 - 110	P	10/21/2025	15:03	LB137613
CCV03	Aluminum	9580	10000	96	90 - 110	P	10/21/2025	15:56	LB137613
	Antimony	4900	5000	98	90 - 110	P	10/21/2025	15:56	LB137613
	Arsenic	4820	5000	96	90 - 110	P	10/21/2025	15:56	LB137613
	Barium	9710	10000	97	90 - 110	P	10/21/2025	15:56	LB137613
	Beryllium	233	250	93	90 - 110	P	10/21/2025	15:56	LB137613
	Cadmium	2330	2500	93	90 - 110	P	10/21/2025	15:56	LB137613
	Calcium	23800	25000	95	90 - 110	P	10/21/2025	15:56	LB137613
	Chromium	941	1000	94	90 - 110	P	10/21/2025	15:56	LB137613
	Cobalt	2360	2500	94	90 - 110	P	10/21/2025	15:56	LB137613
	Copper	1210	1250	96	90 - 110	P	10/21/2025	15:56	LB137613
	Iron	4850	5000	97	90 - 110	P	10/21/2025	15:56	LB137613
	Lead	4680	5000	94	90 - 110	P	10/21/2025	15:56	LB137613
	Magnesium	23400	25000	94	90 - 110	P	10/21/2025	15:56	LB137613
	Manganese	2380	2500	95	90 - 110	P	10/21/2025	15:56	LB137613
	Nickel	2350	2500	94	90 - 110	P	10/21/2025	15:56	LB137613
	Potassium	25200	25000	101	90 - 110	P	10/21/2025	15:56	LB137613
	Selenium	4870	5000	97	90 - 110	P	10/21/2025	15:56	LB137613
	Silver	1200	1250	96	90 - 110	P	10/21/2025	15:56	LB137613
	Sodium	25300	25000	101	90 - 110	P	10/21/2025	15:56	LB137613
	Thallium	5060	5000	101	90 - 110	P	10/21/2025	15:56	LB137613
	Vanadium	2400	2500	96	90 - 110	P	10/21/2025	15:56	LB137613
	Zinc	2390	2500	96	90 - 110	P	10/21/2025	15:56	LB137613
CCV04	Aluminum	9280	10000	93	90 - 110	P	10/21/2025	16:48	LB137613
	Antimony	4870	5000	98	90 - 110	P	10/21/2025	16:48	LB137613

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4750	5000	95	90 - 110	P	10/21/2025	16:48	LB137613
	Barium	9490	10000	95	90 - 110	P	10/21/2025	16:48	LB137613
	Beryllium	232	250	93	90 - 110	P	10/21/2025	16:48	LB137613
	Cadmium	2300	2500	92	90 - 110	P	10/21/2025	16:48	LB137613
	Calcium	23200	25000	93	90 - 110	P	10/21/2025	16:48	LB137613
	Chromium	934	1000	93	90 - 110	P	10/21/2025	16:48	LB137613
	Cobalt	2330	2500	93	90 - 110	P	10/21/2025	16:48	LB137613
	Copper	1190	1250	96	90 - 110	P	10/21/2025	16:48	LB137613
	Iron	4840	5000	97	90 - 110	P	10/21/2025	16:48	LB137613
	Lead	4640	5000	93	90 - 110	P	10/21/2025	16:48	LB137613
	Magnesium	22900	25000	92	90 - 110	P	10/21/2025	16:48	LB137613
	Manganese	2350	2500	94	90 - 110	P	10/21/2025	16:48	LB137613
	Nickel	2330	2500	93	90 - 110	P	10/21/2025	16:48	LB137613
	Potassium	24100	25000	96	90 - 110	P	10/21/2025	16:48	LB137613
	Selenium	4830	5000	97	90 - 110	P	10/21/2025	16:48	LB137613
	Silver	1210	1250	97	90 - 110	P	10/21/2025	16:48	LB137613
	Sodium	24000	25000	96	90 - 110	P	10/21/2025	16:48	LB137613
	Thallium	4900	5000	98	90 - 110	P	10/21/2025	16:48	LB137613
	Vanadium	2330	2500	93	90 - 110	P	10/21/2025	16:48	LB137613
	Zinc	2400	2500	96	90 - 110	P	10/21/2025	16:48	LB137613
CCV05	Aluminum	9540	10000	95	90 - 110	P	10/21/2025	17:37	LB137613
	Antimony	5030	5000	101	90 - 110	P	10/21/2025	17:37	LB137613
	Arsenic	4900	5000	98	90 - 110	P	10/21/2025	17:37	LB137613
	Barium	9470	10000	95	90 - 110	P	10/21/2025	17:37	LB137613
	Beryllium	234	250	94	90 - 110	P	10/21/2025	17:37	LB137613
	Cadmium	2370	2500	95	90 - 110	P	10/21/2025	17:37	LB137613
	Calcium	23800	25000	95	90 - 110	P	10/21/2025	17:37	LB137613
	Chromium	964	1000	96	90 - 110	P	10/21/2025	17:37	LB137613
	Cobalt	2390	2500	96	90 - 110	P	10/21/2025	17:37	LB137613
	Copper	1220	1250	98	90 - 110	P	10/21/2025	17:37	LB137613
	Iron	4840	5000	97	90 - 110	P	10/21/2025	17:37	LB137613
	Lead	4780	5000	96	90 - 110	P	10/21/2025	17:37	LB137613
	Magnesium	23600	25000	94	90 - 110	P	10/21/2025	17:37	LB137613
	Manganese	2360	2500	94	90 - 110	P	10/21/2025	17:37	LB137613

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2390	2500	96	90 - 110	P	10/21/2025	17:37	LB137613
	Potassium	23700	25000	95	90 - 110	P	10/21/2025	17:37	LB137613
	Selenium	5030	5000	100	90 - 110	P	10/21/2025	17:37	LB137613
	Silver	1210	1250	97	90 - 110	P	10/21/2025	17:37	LB137613
	Sodium	23100	25000	92	90 - 110	P	10/21/2025	17:37	LB137613
	Thallium	5030	5000	100	90 - 110	P	10/21/2025	17:37	LB137613
	Vanadium	2390	2500	96	90 - 110	P	10/21/2025	17:37	LB137613
	Zinc	2430	2500	97	90 - 110	P	10/21/2025	17:37	LB137613
CCV06	Aluminum	9220	10000	92	90 - 110	P	10/21/2025	18:27	LB137613
	Antimony	4900	5000	98	90 - 110	P	10/21/2025	18:27	LB137613
	Arsenic	4750	5000	95	90 - 110	P	10/21/2025	18:27	LB137613
	Barium	9370	10000	94	90 - 110	P	10/21/2025	18:27	LB137613
	Beryllium	226	250	90	90 - 110	P	10/21/2025	18:27	LB137613
	Cadmium	2270	2500	91	90 - 110	P	10/21/2025	18:27	LB137613
	Calcium	23000	25000	92	90 - 110	P	10/21/2025	18:27	LB137613
	Chromium	905	1000	90	90 - 110	P	10/21/2025	18:27	LB137613
	Cobalt	2310	2500	92	90 - 110	P	10/21/2025	18:27	LB137613
	Copper	1180	1250	95	90 - 110	P	10/21/2025	18:27	LB137613
	Iron	4730	5000	95	90 - 110	P	10/21/2025	18:27	LB137613
	Lead	4610	5000	92	90 - 110	P	10/21/2025	18:27	LB137613
	Magnesium	22800	25000	91	90 - 110	P	10/21/2025	18:27	LB137613
	Manganese	2330	2500	93	90 - 110	P	10/21/2025	18:27	LB137613
	Nickel	2300	2500	92	90 - 110	P	10/21/2025	18:27	LB137613
	Potassium	24100	25000	96	90 - 110	P	10/21/2025	18:27	LB137613
	Selenium	4870	5000	97	90 - 110	P	10/21/2025	18:27	LB137613
	Silver	1170	1250	94	90 - 110	P	10/21/2025	18:27	LB137613
	Sodium	24400	25000	98	90 - 110	P	10/21/2025	18:27	LB137613
	Thallium	4850	5000	97	90 - 110	P	10/21/2025	18:27	LB137613
	Vanadium	2320	2500	93	90 - 110	P	10/21/2025	18:27	LB137613
	Zinc	2320	2500	93	90 - 110	P	10/21/2025	18:27	LB137613
CCV07	Aluminum	9650	10000	96	90 - 110	P	10/21/2025	19:18	LB137613
	Antimony	4900	5000	98	90 - 110	P	10/21/2025	19:18	LB137613
	Arsenic	4770	5000	95	90 - 110	P	10/21/2025	19:18	LB137613
	Barium	9640	10000	96	90 - 110	P	10/21/2025	19:18	LB137613

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	236	250	94	90 - 110	P	10/21/2025	19:18	LB137613
	Cadmium	2320	2500	93	90 - 110	P	10/21/2025	19:18	LB137613
	Calcium	24100	25000	96	90 - 110	P	10/21/2025	19:18	LB137613
	Chromium	945	1000	94	90 - 110	P	10/21/2025	19:18	LB137613
	Cobalt	2350	2500	94	90 - 110	P	10/21/2025	19:18	LB137613
	Copper	1200	1250	96	90 - 110	P	10/21/2025	19:18	LB137613
	Iron	4820	5000	96	90 - 110	P	10/21/2025	19:18	LB137613
	Lead	4680	5000	94	90 - 110	P	10/21/2025	19:18	LB137613
	Magnesium	23800	25000	95	90 - 110	P	10/21/2025	19:18	LB137613
	Manganese	2410	2500	96	90 - 110	P	10/21/2025	19:18	LB137613
	Nickel	2350	2500	94	90 - 110	P	10/21/2025	19:18	LB137613
	Potassium	23500	25000	94	90 - 110	P	10/21/2025	19:18	LB137613
	Selenium	4850	5000	97	90 - 110	P	10/21/2025	19:18	LB137613
	Silver	1190	1250	95	90 - 110	P	10/21/2025	19:18	LB137613
	Sodium	22700	25000	91	90 - 110	P	10/21/2025	19:18	LB137613
	Thallium	4820	5000	96	90 - 110	P	10/21/2025	19:18	LB137613
	Vanadium	2430	2500	97	90 - 110	P	10/21/2025	19:18	LB137613
	Zinc	2370	2500	95	90 - 110	P	10/21/2025	19:18	LB137613
CCV08	Aluminum	9520	10000	95	90 - 110	P	10/21/2025	20:03	LB137613
	Antimony	5000	5000	100	90 - 110	P	10/21/2025	20:03	LB137613
	Arsenic	4850	5000	97	90 - 110	P	10/21/2025	20:03	LB137613
	Barium	9610	10000	96	90 - 110	P	10/21/2025	20:03	LB137613
	Beryllium	234	250	94	90 - 110	P	10/21/2025	20:03	LB137613
	Cadmium	2330	2500	93	90 - 110	P	10/21/2025	20:03	LB137613
	Calcium	23700	25000	95	90 - 110	P	10/21/2025	20:03	LB137613
	Chromium	915	1000	92	90 - 110	P	10/21/2025	20:03	LB137613
	Cobalt	2360	2500	94	90 - 110	P	10/21/2025	20:03	LB137613
	Copper	1210	1250	97	90 - 110	P	10/21/2025	20:03	LB137613
	Iron	4830	5000	97	90 - 110	P	10/21/2025	20:03	LB137613
	Lead	4730	5000	94	90 - 110	P	10/21/2025	20:03	LB137613
	Magnesium	23600	25000	94	90 - 110	P	10/21/2025	20:03	LB137613
	Manganese	2410	2500	96	90 - 110	P	10/21/2025	20:03	LB137613
	Nickel	2350	2500	94	90 - 110	P	10/21/2025	20:03	LB137613
	Potassium	23100	25000	93	90 - 110	P	10/21/2025	20:03	LB137613

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	4970	5000	100	90 - 110	P	10/21/2025	20:03	LB137613
	Silver	1190	1250	95	90 - 110	P	10/21/2025	20:03	LB137613
	Sodium	23300	25000	93	90 - 110	P	10/21/2025	20:03	LB137613
	Thallium	5050	5000	101	90 - 110	P	10/21/2025	20:03	LB137613
	Vanadium	2400	2500	96	90 - 110	P	10/21/2025	20:03	LB137613
	Zinc	2340	2500	94	90 - 110	P	10/21/2025	20:03	LB137613

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: AECOM **SDG No.:** Q3376

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	0.22	0.2	108	70 - 130	CV	10/20/2025	12:10	LB137583
CRI01	Aluminum	110	100	110	65 - 135	P	10/21/2025	12:54	LB137613
	Antimony	49.9	50.0	100	65 - 135	P	10/21/2025	12:54	LB137613
	Arsenic	22.2	20.0	111	65 - 135	P	10/21/2025	12:54	LB137613
	Barium	98.1	100	98	65 - 135	P	10/21/2025	12:54	LB137613
	Beryllium	6.23	6.0	104	65 - 135	P	10/21/2025	12:54	LB137613
	Cadmium	5.59	6.0	93	65 - 135	P	10/21/2025	12:54	LB137613
	Calcium	2030	2000	101	65 - 135	P	10/21/2025	12:54	LB137613
	Chromium	9.94	10.0	99	65 - 135	P	10/21/2025	12:54	LB137613
	Cobalt	28.8	30.0	96	65 - 135	P	10/21/2025	12:54	LB137613
	Copper	21.6	20.0	108	65 - 135	P	10/21/2025	12:54	LB137613
	Iron	107	100	107	65 - 135	P	10/21/2025	12:54	LB137613
	Lead	11.9	12.0	99	65 - 135	P	10/21/2025	12:54	LB137613
	Magnesium	2090	2000	105	65 - 135	P	10/21/2025	12:54	LB137613
	Manganese	20.9	20.0	104	65 - 135	P	10/21/2025	12:54	LB137613
	Nickel	38.6	40.0	96	65 - 135	P	10/21/2025	12:54	LB137613
	Potassium	1860	2000	93	65 - 135	P	10/21/2025	12:54	LB137613
	Selenium	24.3	20.0	121	65 - 135	P	10/21/2025	12:54	LB137613
	Silver	9.95	10.0	100	65 - 135	P	10/21/2025	12:54	LB137613
	Sodium	1870	2000	93	65 - 135	P	10/21/2025	12:54	LB137613
	Thallium	42.8	40.0	107	65 - 135	P	10/21/2025	12:54	LB137613
	Vanadium	35.6	40.0	89	65 - 135	P	10/21/2025	12:54	LB137613
	Zinc	41.9	40.0	105	65 - 135	P	10/21/2025	12:54	LB137613

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB78	Mercury	0.076	+/-0.2	U	0.20	CV	10/20/2025	12:03	LB137583

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB54	Mercury	0.076	+/-0.2	U	0.20	CV	10/20/2025	12:08	LB137583
CCB55	Mercury	0.076	+/-0.2	U	0.20	CV	10/20/2025	12:43	LB137583
CCB56	Mercury	0.076	+/-0.2	U	0.20	CV	10/20/2025	13:00	LB137583

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

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	11.3	+/-50	U	100	P	10/21/2025	12:50	LB137613
	Antimony	6.76	+/-25	U	50.0	P	10/21/2025	12:50	LB137613
	Arsenic	5.12	+/-10	U	20.0	P	10/21/2025	12:50	LB137613
	Barium	14.6	+/-50	U	100	P	10/21/2025	12:50	LB137613
	Beryllium	0.56	+/-3	U	6.00	P	10/21/2025	12:50	LB137613
	Cadmium	0.50	+/-3	U	6.00	P	10/21/2025	12:50	LB137613
	Calcium	234	+/-1000	U	2000	P	10/21/2025	12:50	LB137613
	Chromium	2.12	+/-5	U	10.0	P	10/21/2025	12:50	LB137613
	Cobalt	2.26	+/-15	U	30.0	P	10/21/2025	12:50	LB137613
	Copper	4.60	+/-10	U	20.0	P	10/21/2025	12:50	LB137613
	Iron	23.4	+/-50	U	100	P	10/21/2025	12:50	LB137613
	Lead	2.30	+/-6	U	12.0	P	10/21/2025	12:50	LB137613
	Magnesium	244	+/-1000	U	2000	P	10/21/2025	12:50	LB137613
	Manganese	5.94	+/-10	U	20.0	P	10/21/2025	12:50	LB137613
	Nickel	3.06	+/-20	U	40.0	P	10/21/2025	12:50	LB137613
	Potassium	918	+/-1000	U	2000	P	10/21/2025	12:50	LB137613
	Selenium	9.64	+/-10	U	20.0	P	10/21/2025	12:50	LB137613
	Silver	1.62	+/-5	U	10.0	P	10/21/2025	12:50	LB137613
	Sodium	868	+/-1000	U	2000	P	10/21/2025	12:50	LB137613
	Thallium	4.38	+/-20	U	40.0	P	10/21/2025	12:50	LB137613
	Vanadium	6.26	+/-20	U	40.0	P	10/21/2025	12:50	LB137613
	Zinc	16.7	+/-20	U	40.0	P	10/21/2025	12:50	LB137613

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

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	11.3	+/-50	U	100	P	10/21/2025	13:54	LB137613
	Antimony	6.76	+/-25	U	50.0	P	10/21/2025	13:54	LB137613
	Arsenic	5.12	+/-10	U	20.0	P	10/21/2025	13:54	LB137613
	Barium	14.6	+/-50	U	100	P	10/21/2025	13:54	LB137613
	Beryllium	0.56	+/-3	U	6.00	P	10/21/2025	13:54	LB137613
	Cadmium	0.50	+/-3	U	6.00	P	10/21/2025	13:54	LB137613
	Calcium	234	+/-1000	U	2000	P	10/21/2025	13:54	LB137613
	Chromium	2.12	+/-5	U	10.0	P	10/21/2025	13:54	LB137613
	Cobalt	2.26	+/-15	U	30.0	P	10/21/2025	13:54	LB137613
	Copper	4.60	+/-10	U	20.0	P	10/21/2025	13:54	LB137613
	Iron	23.4	+/-50	U	100	P	10/21/2025	13:54	LB137613
	Lead	2.30	+/-6	U	12.0	P	10/21/2025	13:54	LB137613
	Magnesium	244	+/-1000	U	2000	P	10/21/2025	13:54	LB137613
	Manganese	5.94	+/-10	U	20.0	P	10/21/2025	13:54	LB137613
	Nickel	3.06	+/-20	U	40.0	P	10/21/2025	13:54	LB137613
	Potassium	918	+/-1000	U	2000	P	10/21/2025	13:54	LB137613
	Selenium	9.64	+/-10	U	20.0	P	10/21/2025	13:54	LB137613
	Silver	1.62	+/-5	U	10.0	P	10/21/2025	13:54	LB137613
	Sodium	868	+/-1000	U	2000	P	10/21/2025	13:54	LB137613
	Thallium	4.38	+/-20	U	40.0	P	10/21/2025	13:54	LB137613
	Vanadium	6.26	+/-20	U	40.0	P	10/21/2025	13:54	LB137613
	Zinc	16.7	+/-20	U	40.0	P	10/21/2025	13:54	LB137613
CCB02	Aluminum	11.3	+/-50	U	100	P	10/21/2025	15:07	LB137613
	Antimony	6.76	+/-25	U	50.0	P	10/21/2025	15:07	LB137613
	Arsenic	5.12	+/-10	U	20.0	P	10/21/2025	15:07	LB137613
	Barium	14.6	+/-50	U	100	P	10/21/2025	15:07	LB137613
	Beryllium	0.56	+/-3	U	6.00	P	10/21/2025	15:07	LB137613
	Cadmium	0.50	+/-3	U	6.00	P	10/21/2025	15:07	LB137613
	Calcium	234	+/-1000	U	2000	P	10/21/2025	15:07	LB137613
	Chromium	2.12	+/-5	U	10.0	P	10/21/2025	15:07	LB137613
	Cobalt	2.26	+/-15	U	30.0	P	10/21/2025	15:07	LB137613
	Copper	4.60	+/-10	U	20.0	P	10/21/2025	15:07	LB137613
	Iron	36.0	+/-50	J	100	P	10/21/2025	15:07	LB137613
	Lead	2.30	+/-6	U	12.0	P	10/21/2025	15:07	LB137613
	Magnesium	244	+/-1000	U	2000	P	10/21/2025	15:07	LB137613
	Manganese	5.94	+/-10	U	20.0	P	10/21/2025	15:07	LB137613
	Nickel	3.06	+/-20	U	40.0	P	10/21/2025	15:07	LB137613
	Potassium	918	+/-1000	U	2000	P	10/21/2025	15:07	LB137613
	Selenium	9.64	+/-10	U	20.0	P	10/21/2025	15:07	LB137613

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

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	1.62	+/-5	U	10.0	P	10/21/2025	15:07	LB137613
	Sodium	868	+/-1000	U	2000	P	10/21/2025	15:07	LB137613
	Thallium	4.38	+/-20	U	40.0	P	10/21/2025	15:07	LB137613
	Vanadium	6.26	+/-20	U	40.0	P	10/21/2025	15:07	LB137613
	Zinc	16.7	+/-20	U	40.0	P	10/21/2025	15:07	LB137613
CCB03	Aluminum	41.4	+/-50	J	100	P	10/21/2025	16:00	LB137613
	Antimony	6.76	+/-25	U	50.0	P	10/21/2025	16:00	LB137613
	Arsenic	5.12	+/-10	U	20.0	P	10/21/2025	16:00	LB137613
	Barium	14.6	+/-50	U	100	P	10/21/2025	16:00	LB137613
	Beryllium	0.56	+/-3	U	6.00	P	10/21/2025	16:00	LB137613
	Cadmium	0.50	+/-3	U	6.00	P	10/21/2025	16:00	LB137613
	Calcium	234	+/-1000	U	2000	P	10/21/2025	16:00	LB137613
	Chromium	2.83	+/-5	J	10.0	P	10/21/2025	16:00	LB137613
	Cobalt	2.26	+/-15	U	30.0	P	10/21/2025	16:00	LB137613
	Copper	4.60	+/-10	U	20.0	P	10/21/2025	16:00	LB137613
	Iron	43.3	+/-50	J	100	P	10/21/2025	16:00	LB137613
	Lead	2.30	+/-6	U	12.0	P	10/21/2025	16:00	LB137613
	Magnesium	244	+/-1000	U	2000	P	10/21/2025	16:00	LB137613
	Manganese	5.94	+/-10	U	20.0	P	10/21/2025	16:00	LB137613
	Nickel	3.06	+/-20	U	40.0	P	10/21/2025	16:00	LB137613
	Potassium	918	+/-1000	U	2000	P	10/21/2025	16:00	LB137613
	Selenium	9.64	+/-10	U	20.0	P	10/21/2025	16:00	LB137613
	Silver	1.62	+/-5	U	10.0	P	10/21/2025	16:00	LB137613
	Sodium	868	+/-1000	U	2000	P	10/21/2025	16:00	LB137613
	Thallium	4.38	+/-20	U	40.0	P	10/21/2025	16:00	LB137613
	Vanadium	6.26	+/-20	U	40.0	P	10/21/2025	16:00	LB137613
	Zinc	16.7	+/-20	U	40.0	P	10/21/2025	16:00	LB137613
CCB04	Aluminum	11.3	+/-50	U	100	P	10/21/2025	16:52	LB137613
	Antimony	6.76	+/-25	U	50.0	P	10/21/2025	16:52	LB137613
	Arsenic	5.12	+/-10	U	20.0	P	10/21/2025	16:52	LB137613
	Barium	14.6	+/-50	U	100	P	10/21/2025	16:52	LB137613
	Beryllium	0.56	+/-3	U	6.00	P	10/21/2025	16:52	LB137613
	Cadmium	0.50	+/-3	U	6.00	P	10/21/2025	16:52	LB137613
	Calcium	234	+/-1000	U	2000	P	10/21/2025	16:52	LB137613
	Chromium	2.12	+/-5	U	10.0	P	10/21/2025	16:52	LB137613
	Cobalt	2.26	+/-15	U	30.0	P	10/21/2025	16:52	LB137613
	Copper	4.60	+/-10	U	20.0	P	10/21/2025	16:52	LB137613
	Iron	23.4	+/-50	U	100	P	10/21/2025	16:52	LB137613
	Lead	2.30	+/-6	U	12.0	P	10/21/2025	16:52	LB137613

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

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	244	+/-1000	U	2000	P	10/21/2025	16:52	LB137613
	Manganese	5.94	+/-10	U	20.0	P	10/21/2025	16:52	LB137613
	Nickel	3.06	+/-20	U	40.0	P	10/21/2025	16:52	LB137613
	Potassium	918	+/-1000	U	2000	P	10/21/2025	16:52	LB137613
	Selenium	9.64	+/-10	U	20.0	P	10/21/2025	16:52	LB137613
	Silver	1.62	+/-5	U	10.0	P	10/21/2025	16:52	LB137613
	Sodium	868	+/-1000	U	2000	P	10/21/2025	16:52	LB137613
	Thallium	4.38	+/-20	U	40.0	P	10/21/2025	16:52	LB137613
	Vanadium	6.26	+/-20	U	40.0	P	10/21/2025	16:52	LB137613
	Zinc	16.7	+/-20	U	40.0	P	10/21/2025	16:52	LB137613
CCB05	Aluminum	16.1	+/-50	J	100	P	10/21/2025	17:41	LB137613
	Antimony	6.76	+/-25	U	50.0	P	10/21/2025	17:41	LB137613
	Arsenic	5.12	+/-10	U	20.0	P	10/21/2025	17:41	LB137613
	Barium	14.6	+/-50	U	100	P	10/21/2025	17:41	LB137613
	Beryllium	0.56	+/-3	U	6.00	P	10/21/2025	17:41	LB137613
	Cadmium	0.50	+/-3	U	6.00	P	10/21/2025	17:41	LB137613
	Calcium	234	+/-1000	U	2000	P	10/21/2025	17:41	LB137613
	Chromium	2.12	+/-5	U	10.0	P	10/21/2025	17:41	LB137613
	Cobalt	2.26	+/-15	U	30.0	P	10/21/2025	17:41	LB137613
	Copper	4.60	+/-10	U	20.0	P	10/21/2025	17:41	LB137613
	Iron	23.4	+/-50	U	100	P	10/21/2025	17:41	LB137613
	Lead	2.30	+/-6	U	12.0	P	10/21/2025	17:41	LB137613
	Magnesium	244	+/-1000	U	2000	P	10/21/2025	17:41	LB137613
	Manganese	5.94	+/-10	U	20.0	P	10/21/2025	17:41	LB137613
	Nickel	3.06	+/-20	U	40.0	P	10/21/2025	17:41	LB137613
	Potassium	918	+/-1000	U	2000	P	10/21/2025	17:41	LB137613
	Selenium	9.64	+/-10	U	20.0	P	10/21/2025	17:41	LB137613
	Silver	1.62	+/-5	U	10.0	P	10/21/2025	17:41	LB137613
	Sodium	868	+/-1000	U	2000	P	10/21/2025	17:41	LB137613
	Thallium	4.38	+/-20	U	40.0	P	10/21/2025	17:41	LB137613
	Vanadium	6.26	+/-20	U	40.0	P	10/21/2025	17:41	LB137613
	Zinc	16.7	+/-20	U	40.0	P	10/21/2025	17:41	LB137613
CCB06	Aluminum	11.4	+/-50	J	100	P	10/21/2025	18:31	LB137613
	Antimony	6.76	+/-25	U	50.0	P	10/21/2025	18:31	LB137613
	Arsenic	5.12	+/-10	U	20.0	P	10/21/2025	18:31	LB137613
	Barium	14.6	+/-50	U	100	P	10/21/2025	18:31	LB137613
	Beryllium	0.56	+/-3	U	6.00	P	10/21/2025	18:31	LB137613
	Cadmium	0.50	+/-3	U	6.00	P	10/21/2025	18:31	LB137613
	Calcium	234	+/-1000	U	2000	P	10/21/2025	18:31	LB137613

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

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	2.12	+/-5	U	10.0	P	10/21/2025	18:31	LB137613
	Cobalt	2.26	+/-15	U	30.0	P	10/21/2025	18:31	LB137613
	Copper	4.60	+/-10	U	20.0	P	10/21/2025	18:31	LB137613
	Iron	23.4	+/-50	U	100	P	10/21/2025	18:31	LB137613
	Lead	2.30	+/-6	U	12.0	P	10/21/2025	18:31	LB137613
	Magnesium	244	+/-1000	U	2000	P	10/21/2025	18:31	LB137613
	Manganese	5.94	+/-10	U	20.0	P	10/21/2025	18:31	LB137613
	Nickel	3.06	+/-20	U	40.0	P	10/21/2025	18:31	LB137613
	Potassium	956	+/-1000	J	2000	P	10/21/2025	18:31	LB137613
	Selenium	9.64	+/-10	U	20.0	P	10/21/2025	18:31	LB137613
	Silver	1.62	+/-5	U	10.0	P	10/21/2025	18:31	LB137613
	Sodium	1000	+/-1000	J	2000	P	10/21/2025	18:31	LB137613
	Thallium	4.38	+/-20	U	40.0	P	10/21/2025	18:31	LB137613
	Vanadium	6.26	+/-20	U	40.0	P	10/21/2025	18:31	LB137613
	Zinc	16.7	+/-20	U	40.0	P	10/21/2025	18:31	LB137613
CCB07	Aluminum	11.3	+/-50	U	100	P	10/21/2025	19:22	LB137613
	Antimony	6.76	+/-25	U	50.0	P	10/21/2025	19:22	LB137613
	Arsenic	5.12	+/-10	U	20.0	P	10/21/2025	19:22	LB137613
	Barium	14.6	+/-50	U	100	P	10/21/2025	19:22	LB137613
	Beryllium	0.56	+/-3	U	6.00	P	10/21/2025	19:22	LB137613
	Cadmium	0.50	+/-3	U	6.00	P	10/21/2025	19:22	LB137613
	Calcium	234	+/-1000	U	2000	P	10/21/2025	19:22	LB137613
	Chromium	2.12	+/-5	U	10.0	P	10/21/2025	19:22	LB137613
	Cobalt	2.26	+/-15	U	30.0	P	10/21/2025	19:22	LB137613
	Copper	4.60	+/-10	U	20.0	P	10/21/2025	19:22	LB137613
	Iron	23.4	+/-50	U	100	P	10/21/2025	19:22	LB137613
	Lead	2.30	+/-6	U	12.0	P	10/21/2025	19:22	LB137613
	Magnesium	244	+/-1000	U	2000	P	10/21/2025	19:22	LB137613
	Manganese	5.94	+/-10	U	20.0	P	10/21/2025	19:22	LB137613
	Nickel	3.06	+/-20	U	40.0	P	10/21/2025	19:22	LB137613
	Potassium	918	+/-1000	U	2000	P	10/21/2025	19:22	LB137613
	Selenium	9.64	+/-10	U	20.0	P	10/21/2025	19:22	LB137613
	Silver	1.62	+/-5	U	10.0	P	10/21/2025	19:22	LB137613
	Sodium	868	+/-1000	U	2000	P	10/21/2025	19:22	LB137613
	Thallium	4.38	+/-20	U	40.0	P	10/21/2025	19:22	LB137613
	Vanadium	6.26	+/-20	U	40.0	P	10/21/2025	19:22	LB137613
	Zinc	16.7	+/-20	U	40.0	P	10/21/2025	19:22	LB137613
CCB08	Aluminum	11.3	+/-50	U	100	P	10/21/2025	20:07	LB137613
	Antimony	6.76	+/-25	U	50.0	P	10/21/2025	20:07	LB137613

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

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	5.12	+/-10	U	20.0	P	10/21/2025	20:07	LB137613
	Barium	14.6	+/-50	U	100	P	10/21/2025	20:07	LB137613
	Beryllium	0.56	+/-3	U	6.00	P	10/21/2025	20:07	LB137613
	Cadmium	0.50	+/-3	U	6.00	P	10/21/2025	20:07	LB137613
	Calcium	234	+/-1000	U	2000	P	10/21/2025	20:07	LB137613
	Chromium	2.12	+/-5	U	10.0	P	10/21/2025	20:07	LB137613
	Cobalt	2.26	+/-15	U	30.0	P	10/21/2025	20:07	LB137613
	Copper	4.60	+/-10	U	20.0	P	10/21/2025	20:07	LB137613
	Iron	23.4	+/-50	U	100	P	10/21/2025	20:07	LB137613
	Lead	2.30	+/-6	U	12.0	P	10/21/2025	20:07	LB137613
	Magnesium	244	+/-1000	U	2000	P	10/21/2025	20:07	LB137613
	Manganese	5.94	+/-10	U	20.0	P	10/21/2025	20:07	LB137613
	Nickel	3.06	+/-20	U	40.0	P	10/21/2025	20:07	LB137613
	Potassium	918	+/-1000	U	2000	P	10/21/2025	20:07	LB137613
	Selenium	9.64	+/-10	U	20.0	P	10/21/2025	20:07	LB137613
	Silver	1.62	+/-5	U	10.0	P	10/21/2025	20:07	LB137613
	Sodium	868	+/-1000	U	2000	P	10/21/2025	20:07	LB137613
	Thallium	4.38	+/-20	U	40.0	P	10/21/2025	20:07	LB137613
	Vanadium	6.26	+/-20	U	40.0	P	10/21/2025	20:07	LB137613
	Zinc	16.7	+/-20	U	40.0	P	10/21/2025	20:07	LB137613

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170157BL		**WATER**		**Batch Number:**	**PB170157**		**Prep Date:**	**10/20/2025**	
	Mercury	0.076	<0.2	U	0.20	CV	10/20/2025	12:20	LB137583

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170192BL		**WATER**		**Batch Number:**	**PB170192**		**Prep Date:**	**10/21/2025**	
	Aluminum	5.67	<25	U	50.0	P	10/21/2025	17:28	LB137613
	Antimony	3.38	<12.5	U	25.0	P	10/21/2025	17:28	LB137613
	Arsenic	2.56	<5	U	10.0	P	10/21/2025	17:28	LB137613
	Barium	7.28	<25	U	50.0	P	10/21/2025	17:28	LB137613
	Beryllium	0.28	<1.5	U	3.00	P	10/21/2025	17:28	LB137613
	Cadmium	0.25	<1.5	U	3.00	P	10/21/2025	17:28	LB137613
	Calcium	117	<500	U	1000	P	10/21/2025	17:28	LB137613
	Chromium	1.06	<2.5	U	5.00	P	10/21/2025	17:28	LB137613
	Cobalt	1.13	<7.5	U	15.0	P	10/21/2025	17:28	LB137613
	Copper	2.30	<5	U	10.0	P	10/21/2025	17:28	LB137613
	Iron	11.7	<25	U	50.0	P	10/21/2025	17:28	LB137613
	Lead	1.15	<3	U	6.00	P	10/21/2025	17:28	LB137613
	Magnesium	122	<500	U	1000	P	10/21/2025	17:28	LB137613
	Manganese	2.97	<5	U	10.0	P	10/21/2025	17:28	LB137613
	Nickel	1.53	<10	U	20.0	P	10/21/2025	17:28	LB137613
	Potassium	459	<500	U	1000	P	10/21/2025	17:28	LB137613
	Selenium	4.82	<5	U	10.0	P	10/21/2025	17:28	LB137613
	Silver	0.81	<2.5	U	5.00	P	10/21/2025	17:28	LB137613
	Sodium	434	<500	U	1000	P	10/21/2025	17:28	LB137613
	Thallium	2.19	<10	U	20.0	P	10/21/2025	17:28	LB137613
	Vanadium	3.13	<10	U	20.0	P	10/21/2025	17:28	LB137613
	Zinc	8.33	<10	U	20.0	P	10/21/2025	17:28	LB137613

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Metals
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INTERFERENCE CHECK SAMPLE

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

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	231000	255000	91	216000	294000	10/21/2025	12:59	LB137613
	Antimony	-1.70			-50	50	10/21/2025	12:59	LB137613
	Arsenic	7.43			-20	20	10/21/2025	12:59	LB137613
	Barium	0.21	6.0	4	-94	106	10/21/2025	12:59	LB137613
	Beryllium	1.68			-6	6	10/21/2025	12:59	LB137613
	Cadmium	1.42	1.0	142	-5	7	10/21/2025	12:59	LB137613
	Calcium	219000	245000	89	208000	282000	10/21/2025	12:59	LB137613
	Chromium	43.7	52.0	84	42	62	10/21/2025	12:59	LB137613
	Cobalt	1.87			-30	30	10/21/2025	12:59	LB137613
	Copper	17.8	2.0	890	-18	22	10/21/2025	12:59	LB137613
	Iron	91400	101000	90	85600	116500	10/21/2025	12:59	LB137613
	Lead	-3.56			-12	12	10/21/2025	12:59	LB137613
	Magnesium	231000	255000	91	216000	294000	10/21/2025	12:59	LB137613
	Manganese	5.70	7.0	81	-13	27	10/21/2025	12:59	LB137613
	Nickel	3.80	2.0	190	-38	42	10/21/2025	12:59	LB137613
	Potassium	251			0	0	10/21/2025	12:59	LB137613
	Selenium	6.37			-20	20	10/21/2025	12:59	LB137613
	Silver	-2.89			-10	10	10/21/2025	12:59	LB137613
	Sodium	51.5			0	0	10/21/2025	12:59	LB137613
	Thallium	15.4			-40	40	10/21/2025	12:59	LB137613
	Vanadium	3.58			-40	40	10/21/2025	12:59	LB137613
	Zinc	3.44			-40	40	10/21/2025	12:59	LB137613
ICSAB01	Aluminum	242000	247000	98	209000	285000	10/21/2025	13:03	LB137613
	Antimony	578	618	94	525	711	10/21/2025	13:03	LB137613
	Arsenic	103	104	99	88.4	120	10/21/2025	13:03	LB137613
	Barium	471	537	88	437	637	10/21/2025	13:03	LB137613
	Beryllium	498	495	101	420	570	10/21/2025	13:03	LB137613
	Cadmium	974	972	100	826	1120	10/21/2025	13:03	LB137613
	Calcium	228000	235000	97	199000	271000	10/21/2025	13:03	LB137613
	Chromium	536	542	99	460	624	10/21/2025	13:03	LB137613
	Cobalt	490	476	103	404	548	10/21/2025	13:03	LB137613
	Copper	479	511	94	434	588	10/21/2025	13:03	LB137613
	Iron	97500	99300	98	84400	114500	10/21/2025	13:03	LB137613
	Lead	45.8	49.0	94	37	61	10/21/2025	13:03	LB137613
	Magnesium	242000	248000	98	210000	286000	10/21/2025	13:03	LB137613
	Manganese	469	507	92	430	584	10/21/2025	13:03	LB137613
	Nickel	973	954	102	810	1100	10/21/2025	13:03	LB137613
	Potassium	242			0	0	10/21/2025	13:03	LB137613
	Selenium	55.1	46.0	120	26	66	10/21/2025	13:03	LB137613
	Silver	203	201	101	170	232	10/21/2025	13:03	LB137613
	Sodium	95.7			0	0	10/21/2025	13:03	LB137613
	Thallium	110	108	102	68	148	10/21/2025	13:03	LB137613

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INTERFERENCE CHECK SAMPLE

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

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	469	491	96	417	565	10/21/2025	13:03	LB137613
	Zinc	1020	952	107	809	1095	10/21/2025	13:03	LB137613

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3376

contract: AECO02 **lab code:** ACE

matrix: Water **sample id:** Q3370-01 **client id:** WATER-TREATMENT DISCHARGEMS

Percent Solids for Sample: NA **Spiked ID:** Q3370-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1590		663		1000	93		P
Antimony	ug/L	75 - 125	396		25.0	U	400	99		P
Arsenic	ug/L	75 - 125	382		10.0	U	400	96		P
Barium	ug/L	75 - 125	115		23.9	J	100	91		P
Beryllium	ug/L	75 - 125	85.9		3.00	U	100	86		P
Cadmium	ug/L	75 - 125	87.9		3.00	U	100	88		P
Calcium	ug/L	75 - 125	26000		25100		500	182		P
Chromium	ug/L	75 - 125	202		15.2		200	93		P
Cobalt	ug/L	75 - 125	91.5		15.0	U	100	92		P
Copper	ug/L	75 - 125	157		17.7		150	93		P
Iron	ug/L	75 - 125	1660		185		1500	98		P
Lead	ug/L	75 - 125	423		6.00	U	500	85		P
Magnesium	ug/L	75 - 125	9690		8620		1000	107		P
Manganese	ug/L	75 - 125	101		10.6		100	90		P
Nickel	ug/L	75 - 125	244		16.9	J	250	91		P
Potassium	ug/L	75 - 125	16600		11700		5000	98		P
Selenium	ug/L	75 - 125	958		10.0	U	1000	96		P
Silver	ug/L	75 - 125	33.2		5.00	U	37.5	88		P
Sodium	ug/L	75 - 125	102000		101000		1500	37		P
Thallium	ug/L	75 - 125	828		20.0	U	1000	83		P
Vanadium	ug/L	75 - 125	139		20.0	U	150	93		P
Zinc	ug/L	75 - 125	777		661		100	116		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3376

contract: AECO02 **lab code:** ACE

matrix: Water **sample id:** Q3370-01 **client id:** WATER-TREATMENT DISCHARGEMSD

Percent Solids for Sample: NA **Spiked ID:** Q3370-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1590		663		1000	92		P
Antimony	ug/L	75 - 125	399		25.0	U	400	100		P
Arsenic	ug/L	75 - 125	383		10.0	U	400	96		P
Barium	ug/L	75 - 125	117		23.9	J	100	93		P
Beryllium	ug/L	75 - 125	87.4		3.00	U	100	87		P
Cadmium	ug/L	75 - 125	88.5		3.00	U	100	88		P
Calcium	ug/L	75 - 125	25600		25100		500	103		P
Chromium	ug/L	75 - 125	200		15.2		200	93		P
Cobalt	ug/L	75 - 125	92.2		15.0	U	100	92		P
Copper	ug/L	75 - 125	158		17.7		150	93		P
Iron	ug/L	75 - 125	1680		185		1500	100		P
Lead	ug/L	75 - 125	427		6.00	U	500	85		P
Magnesium	ug/L	75 - 125	9570		8620		1000	95		P
Manganese	ug/L	75 - 125	104		10.6		100	93		P
Nickel	ug/L	75 - 125	245		16.9	J	250	91		P
Potassium	ug/L	75 - 125	16400		11700		5000	94		P
Selenium	ug/L	75 - 125	961		10.0	U	1000	96		P
Silver	ug/L	75 - 125	33.5		5.00	U	37.5	89		P
Sodium	ug/L	75 - 125	102000		101000		1500	18		P
Thallium	ug/L	75 - 125	817		20.0	U	1000	82		P
Vanadium	ug/L	75 - 125	142		20.0	U	150	95		P
Zinc	ug/L	75 - 125	761		661		100	100		P

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metals
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MATRIX SPIKE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3376

contract: AECO02 **lab code:** ACE

matrix: Water **sample id:** Q3390-07 **client id:** 4090MS

Percent Solids for Sample: NA **Spiked ID:** Q3390-07MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	2.97		0.20	U	4.0	74	N	CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3376

contract: AECO02 **lab code:** ACE

matrix: Water **sample id:** Q3390-07 **client id:** 4090MSD

Percent Solids for Sample: NA **Spiked ID:** Q3390-07MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	2.74		0.20	U	4.0	68	N	CV

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Metals
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POST DIGEST SPIKE SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Matrix: Water **Level:** LOW **Client ID:** 4090A

Sample ID: Q3390-07 **Spiked ID:** Q3390-07A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.98		0.20	U	4.00	100		CV

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3370-01 **Client ID:** WATER-TREATMENT DISCHARGEDU

Percent Solids for Sample: NA **Duplicate ID** Q3370-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	663		656		1		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	23.9	J	22.8	J	5		P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Calcium	ug/L	20	25100		24600		2		P
Chromium	ug/L	20	15.2		15.3		1		P
Cobalt	ug/L	20	15.0	U	15.0	U			P
Copper	ug/L	20	17.7		17.6		1		P
Iron	ug/L	20	185		183		1		P
Lead	ug/L	20	6.00	U	6.00	U			P
Magnesium	ug/L	20	8620		8490		2		P
Manganese	ug/L	20	10.6		9.99	J	6		P
Nickel	ug/L	20	16.9	J	17.3	J	2		P
Potassium	ug/L	20	11700		11500		2		P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	101000		97600		3		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	20.0	U	20.0	U			P
Zinc	ug/L	20	661		667		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

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3370-01MS **Client ID:** WATER-TREATMENT DISCHARGEMS

Percent Solids for Sample: NA **Duplicate ID** Q3370-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	1590		1590		0		P
Antimony	ug/L	20	396		399		1		P
Arsenic	ug/L	20	382		383		0		P
Barium	ug/L	20	115		117		2		P
Beryllium	ug/L	20	85.9		87.4		2		P
Cadmium	ug/L	20	87.9		88.5		1		P
Calcium	ug/L	20	26000		25600		2		P
Chromium	ug/L	20	202		200		1		P
Cobalt	ug/L	20	91.5		92.2		1		P
Copper	ug/L	20	157		158		1		P
Iron	ug/L	20	1660		1680		1		P
Lead	ug/L	20	423		427		1		P
Magnesium	ug/L	20	9690		9570		1		P
Manganese	ug/L	20	101		104		3		P
Nickel	ug/L	20	244		245		0		P
Potassium	ug/L	20	16600		16400		1		P
Selenium	ug/L	20	958		961		0		P
Silver	ug/L	20	33.2		33.5		1		P
Sodium	ug/L	20	102000		102000		0		P
Thallium	ug/L	20	828		817		1		P
Vanadium	ug/L	20	139		142		2		P
Zinc	ug/L	20	777		761		2		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.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3390-07 **Client ID:** 4090DUP

Percent Solids for Sample: NA **Duplicate ID** Q3390-07DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.20	U	0.20	U			CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3390-07MS **Client ID:** 4090MSD

Percent Solids for Sample: NA **Duplicate ID** Q3390-07MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	2.97		2.74		8		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170157BS							
Mercury	ug/L	4.0	3.27		82	80 - 120	CV

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170192BS							
Aluminum	ug/L	1000	920		92	80 - 120	P
Antimony	ug/L	400	383		96	80 - 120	P
Arsenic	ug/L	400	367		92	80 - 120	P
Barium	ug/L	100	89.5		90	80 - 120	P
Beryllium	ug/L	100	93.8		94	80 - 120	P
Cadmium	ug/L	100	86.0		86	80 - 120	P
Calcium	ug/L	500	467	J	93	80 - 120	P
Chromium	ug/L	200	186		93	80 - 120	P
Cobalt	ug/L	100	89.0		89	80 - 120	P
Copper	ug/L	150	145		97	80 - 120	P
Iron	ug/L	1500	1380		92	80 - 120	P
Lead	ug/L	500	436		87	80 - 120	P
Magnesium	ug/L	1000	919	J	92	80 - 120	P
Manganese	ug/L	100	94.2		94	80 - 120	P
Nickel	ug/L	250	224		90	80 - 120	P
Potassium	ug/L	5000	4350		87	80 - 120	P
Selenium	ug/L	1000	947		95	80 - 120	P
Silver	ug/L	37.5	33.4		89	80 - 120	P
Sodium	ug/L	1500	1400		93	80 - 120	P
Thallium	ug/L	1000	898		90	80 - 120	P
Vanadium	ug/L	150	137		91	80 - 120	P
Zinc	ug/L	100	95.3		95	80 - 120	P

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ICP SERIAL DILUTIONS

SAMPLE NO.

WATER-TREATMENT DISCHARGEL

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **Lb No.:** lb137613 **Lab Sample ID :** Q3370-01L **SDG No.:** Q3376

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	663		686		4		P
Antimony	25.0	U	125	U			P
Arsenic	10.0	U	50.0	U			P
Barium	23.9	J	250	U	100.0		P
Beryllium	3.00	U	15.0	U			P
Cadmium	3.00	U	15.0	U			P
Calcium	25100		25700		3		P
Chromium	15.2		14.7	J	3		P
Cobalt	15.0	U	75.0	U			P
Copper	17.7		18.7	J	6		P
Iron	185		179	J	3		P
Lead	6.00	U	30.0	U			P
Magnesium	8620		8820		2		P
Manganese	10.6		50.0	U	100.0		P
Nickel	16.9	J	17.0	J	0		P
Potassium	11700		15100		29		P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	101000		102000		1		P
Thallium	20.0	U	100	U			P
Vanadium	20.0	U	100	U			P
Zinc	661		669		1		P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

4090L

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **Lb No.:** lb137583 **Lab Sample ID :** Q3390-07L **SDG No.:** Q3376

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.20	U	1.00	U			CV

METAL PREPARATION & INSTRUMENT DATA

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ICP INTERELEMENT CORRECTION FACTORS

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170157**						
PB170157BL	PB170157BL	MB	WATER	10/20/2025	30.0	30.0	
PB170157BS	PB170157BS	LCS	WATER	10/20/2025	30.0	30.0	
Q3376-07	PR132-FB01-20251016	SAM	WATER	10/20/2025	30.0	30.0	
Q3390-07DUP	4090DUP	DUP	WATER	10/20/2025	30.0	30.0	
Q3390-07MS	4090MS	MS	WATER	10/20/2025	30.0	30.0	
Q3390-07MSD	4090MSD	MSD	WATER	10/20/2025	30.0	30.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170192**						
PB170192BL	PB170192BL	MB	WATER	10/21/2025	50.0	25.0	
PB170192BS	PB170192BS	LCS	WATER	10/21/2025	50.0	25.0	
Q3370-01DUP	WATER-TREATMENT DISCHARGEDUP	DUP	WATER	10/21/2025	50.0	25.0	
Q3370-01MS	WATER-TREATMENT DISCHARGEMS	MS	WATER	10/21/2025	50.0	25.0	
Q3370-01MSD	WATER-TREATMENT DISCHARGEMSD	MSD	WATER	10/21/2025	50.0	25.0	
Q3376-07	PR132-FB01-20251016	SAM	WATER	10/21/2025	50.0	25.0	

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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3376

Instrument id number: **Method:** **Run number:** LB137583

Start date: 10/20/2025 **End date:** 10/20/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1141	HG
S0.2	S0.2	1	1143	HG
S2.5	S2.5	1	1145	HG
S5	S5	1	1148	HG
S7.5	S7.5	1	1150	HG
S10	S10	1	1155	HG
ICV78	ICV78	1	1201	HG
ICB78	ICB78	1	1203	HG
CCV54	CCV54	1	1206	HG
CCB54	CCB54	1	1208	HG
CRA	CRA	1	1210	HG
PB170157BL	PB170157BL	1	1220	HG
PB170157BS	PB170157BS	1	1222	HG
Q3376-07	PR132-FB01-20251016	1	1225	HG
Q3390-07DUP	4090DUP	1	1234	HG
CCV55	CCV55	1	1241	HG
CCB55	CCB55	1	1243	HG
Q3390-07MS	4090MS	1	1246	HG
Q3390-07MSD	4090MSD	1	1248	HG
Q3390-07L	4090L	5	1250	HG
Q3390-07A	4090A	1	1253	HG
CCV56	CCV56	1	1258	HG
CCB56	CCB56	1	1300	HG

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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3376

Instrument id number: **Method:** **Run number:** LB137613

Start date: 10/21/2025 **End date:** 10/21/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1203	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1208	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	1212	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	1216	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	1221	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	1225	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1240	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	1244	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	1250	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	1254	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	1259	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	1303	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	1345	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	1354	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	1503	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	1507	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	1556	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	1600	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	1648	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	1652	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170192BL	PB170192BL	1	1728	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170192BS	PB170192BS	1	1733	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	1737	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	1741	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3370-01DUP	WATER-TREATMENT DISCHA	1	1811	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3370-01L	WATER-TREATMENT DISCHA	5	1815	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3370-01MS	WATER-TREATMENT DISCHA	1	1819	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3370-01MSD	WATER-TREATMENT DISCHA	1	1823	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	1827	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	1831	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-07	PR132-FB01-20251016	1	1840	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	1918	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	1922	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	2003	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	2007	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:	Q3376	**OrderDate:**	10/17/2025 10:34:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60699795 [illegible]
Contact:	Rob Forstner	**Location:**	DOCK,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3376-01	**PR132-S05-057082-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			Mercury	7471B		10/20/25	10/22/25	
			Metals ICP-TAL	6020B		10/20/25	10/22/25	
Q3376-02	**PR132-DP01-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			Mercury	7471B		10/20/25	10/22/25	
			Metals ICP-TAL	6020B		10/20/25	10/22/25	
Q3376-03	**PR132-COMP2-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			Mercury	7471B		10/20/25	10/22/25	
			Metals ICP-TAL	6020B		10/20/25	10/22/25	
Q3376-04	**PR132-S12-047072-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			Mercury	7471B		10/20/25	10/22/25	
			Metals ICP-TAL	6020B		10/20/25	10/22/25	
Q3376-05	**PR132-S12-020047-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			Mercury	7471B		10/20/25	10/22/25	
			Metals ICP-TAL	6020B		10/20/25	10/22/25	
Q3376-07	**PR132-FB01-20251016**	**Water**			**10/16/25**			**10/16/25**
			Mercury	7470A		10/20/25	10/20/25	
			Metals ICP-TAL	6010D		10/21/25	10/21/25	

Alliance TECHNICAL GROUP
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Hit Summary Sheet
SW-846

SDG No.: Q3376 **Order ID:** Q3376

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-S05-057082-20251016								
Q3376-01	PR132-S05-057082-20251016	SOIL	Aluminum	10100		0.56	3.12	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Antimony	0.28	J	0.070	0.31	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Arsenic	42.0		0.019	0.16	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Barium	282		0.051	1.56	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Beryllium	0.77		0.050	0.16	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Cadmium	8.61		0.028	0.16	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Calcium	5060		7.46	77.9	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Chromium	351	D	0.20	1.56	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Cobalt	9.69		0.014	0.16	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Copper	371		0.10	0.31	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Iron	28400		1.43	7.79	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Lead	456		0.050	0.16	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Magnesium	6320		3.01	77.9	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Manganese	250		0.053	0.16	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Nickel	52.6		0.067	0.16	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Mercury	6.30	D	0.13	0.23	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Potassium	2250		5.98	77.9	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Selenium	2.46		0.44	0.78	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Silver	6.19		0.040	0.16	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Sodium	5870		10.9	77.9	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Thallium	0.41		0.022	0.16	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Vanadium	41.3		0.017	0.78	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Zinc	535		0.14	0.78	mg/Kg
Client ID : PR132-DP01-20251016								
Q3376-02	PR132-DP01-20251016	SOIL	Aluminum	10700		0.60	3.33	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Antimony	0.28	J	0.075	0.33	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Arsenic	34.6		0.020	0.17	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Barium	270		0.055	1.67	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Beryllium	0.84		0.053	0.17	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Cadmium	7.63		0.030	0.17	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Calcium	3690		7.98	83.3	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Chromium	320	D	0.22	1.67	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Cobalt	9.61		0.015	0.17	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Copper	347		0.11	0.33	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Iron	27700		1.53	8.33	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Lead	499		0.053	0.17	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Magnesium	6360		3.21	83.3	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3376 **Order ID:** Q3376

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
Q3376-02	PR132-DP01-20251016	SOIL	Manganese	252		0.057	0.17	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Nickel	52.2		0.072	0.17	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Mercury	25.8	D	0.56	1.00	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Potassium	2370		6.40	83.3	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Selenium	2.56		0.47	0.83	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Silver	6.61		0.043	0.17	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Sodium	6390		11.7	83.3	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Thallium	0.41		0.023	0.17	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Vanadium	41.8		0.018	0.83	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Zinc	551		0.15	0.83	mg/Kg
Client ID :	**PR132-COMP2-20251016**							
Q3376-03	PR132-COMP2-20251016	SOIL	Aluminum	14100		0.59	3.27	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Antimony	0.25	J	0.074	0.33	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Arsenic	66.5		0.020	0.16	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Barium	459		0.054	1.64	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Beryllium	1.14		0.052	0.16	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Cadmium	12.8		0.029	0.16	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Calcium	6460		7.84	81.8	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Chromium	341	D	0.21	1.64	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Cobalt	12.6		0.015	0.16	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Copper	422		0.11	0.33	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Iron	35800		1.50	8.18	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Lead	474		0.052	0.16	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Magnesium	7840		3.16	81.8	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Manganese	402		0.056	0.16	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Nickel	53.6		0.070	0.16	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Mercury	4.61	D	0.13	0.23	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Potassium	3110		6.28	81.8	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Selenium	3.31		0.46	0.82	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Silver	5.76		0.043	0.16	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Sodium	7470		11.5	81.8	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Thallium	0.50		0.023	0.16	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Vanadium	51.8		0.018	0.82	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Zinc	576		0.15	0.82	mg/Kg
Client ID :	**PR132-S12-047072-20251016**							
Q3376-04	PR132-S12-047072-20251016	SOIL	Aluminum	13700		0.60	3.30	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Antimony	0.43		0.074	0.33	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Arsenic	45.0		0.020	0.17	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Barium	271		0.055	1.65	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3376 **Order ID:** Q3376

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
Q3376-04	PR132-S12-047072-20251016	SOIL	Beryllium	1.12		0.053	0.17	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Cadmium	15.3		0.030	0.17	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Calcium	8480		7.91	82.6	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Chromium	532	D	0.22	1.65	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Cobalt	13.6		0.015	0.17	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Copper	495		0.11	0.33	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Iron	37400		1.52	8.26	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Lead	457		0.053	0.17	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Magnesium	8580		3.19	82.6	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Manganese	335		0.056	0.17	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Nickel	91.4		0.071	0.17	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Mercury	6.51	D	0.13	0.23	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Potassium	3180		6.34	82.6	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Selenium	2.49		0.46	0.83	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Silver	5.64		0.043	0.17	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Sodium	10200		11.6	82.6	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Thallium	0.43		0.023	0.17	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Vanadium	88.2		0.018	0.83	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Zinc	700		0.15	0.83	mg/Kg
Client ID :	**PR132-S12-020047-20251016**							
Q3376-05	PR132-S12-020047-20251016	SOIL	Aluminum	6330		0.45	2.50	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Antimony	0.080	J	0.056	0.25	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Arsenic	7.86		0.015	0.13	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Barium	52.4		0.041	1.25	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Beryllium	0.74		0.040	0.13	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Cadmium	1.03		0.022	0.13	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Calcium	4870		5.98	62.4	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Chromium	49.4		0.032	0.25	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Cobalt	8.16		0.011	0.13	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Copper	103		0.081	0.25	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Iron	17500		1.15	6.24	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Lead	235		0.040	0.13	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Magnesium	7170		2.41	62.4	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Manganese	199		0.042	0.13	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Nickel	56.0		0.054	0.13	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Mercury	5.14	D	0.097	0.18	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Potassium	1500		4.79	62.4	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Selenium	0.59	J	0.35	0.62	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Silver	1.80		0.032	0.13	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Sodium	4580		8.76	62.4	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.:	Q3376	**Order ID:**	Q3376
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
Q3376-05	PR132-S12-020047-20251016	SOIL	Thallium	0.22		0.017	0.13	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Vanadium	20.6		0.014	0.62	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Zinc	259		0.11	0.62	mg/Kg

SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-057082-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	53.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10100		1	0.56	3.12	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-36-0	Antimony	0.28	J	1	0.070	0.31	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-38-2	Arsenic	42.0		1	0.019	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-39-3	Barium	282		1	0.051	1.56	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-41-7	Beryllium	0.77		1	0.050	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-43-9	Cadmium	8.61		1	0.028	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-70-2	Calcium	5060		1	7.46	77.9	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-47-3	Chromium	351	D	5	0.20	1.56	mg/Kg	10/20/25 11:50	10/22/25 20:00	6020B	SW3050
7440-48-4	Cobalt	9.69		1	0.014	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-50-8	Copper	371		1	0.10	0.31	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7439-89-6	Iron	28400		1	1.43	7.79	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7439-92-1	Lead	456	N	1	0.050	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7439-95-4	Magnesium	6320		1	3.01	77.9	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7439-96-5	Manganese	250		1	0.053	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7439-97-6	Mercury	6.30	D	10	0.13	0.23	mg/Kg	10/20/25 09:30	10/22/25 14:31	7471B	7471B
7440-02-0	Nickel	52.6		1	0.067	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-09-7	Potassium	2250		1	5.98	77.9	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7782-49-2	Selenium	2.46		1	0.44	0.78	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-22-4	Silver	6.19	N	1	0.040	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-23-5	Sodium	5870		1	10.9	77.9	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-28-0	Thallium	0.41		1	0.022	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-62-2	Vanadium	41.3		1	0.017	0.78	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-66-6	Zinc	535		1	0.14	0.78	mg/Kg	10/20/25 11:50	10/22/25 16:06	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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP01-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	53.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10700		1	0.60	3.33	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-36-0	Antimony	0.28	J	1	0.075	0.33	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-38-2	Arsenic	34.6		1	0.020	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-39-3	Barium	270		1	0.055	1.67	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-41-7	Beryllium	0.84		1	0.053	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-43-9	Cadmium	7.63		1	0.030	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-70-2	Calcium	3690		1	7.98	83.3	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-47-3	Chromium	320	D	5	0.22	1.67	mg/Kg	10/20/25 11:50	10/22/25 20:03	6020B	SW3050
7440-48-4	Cobalt	9.61		1	0.015	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-50-8	Copper	347		1	0.11	0.33	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7439-89-6	Iron	27700		1	1.53	8.33	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7439-92-1	Lead	499	N	1	0.053	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7439-95-4	Magnesium	6360		1	3.21	83.3	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7439-96-5	Manganese	252		1	0.057	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7439-97-6	Mercury	25.8	D	10	0.56	1.00	mg/Kg	10/20/25 09:30	10/22/25 14:33	7471B	7471B
7440-02-0	Nickel	52.2		1	0.072	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-09-7	Potassium	2370		1	6.40	83.3	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7782-49-2	Selenium	2.56		1	0.47	0.83	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-22-4	Silver	6.61	N	1	0.043	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-23-5	Sodium	6390		1	11.7	83.3	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-28-0	Thallium	0.41		1	0.023	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-62-2	Vanadium	41.8		1	0.018	0.83	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-66-6	Zinc	551		1	0.15	0.83	mg/Kg	10/20/25 11:50	10/22/25 16:09	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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-COMP2-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	52.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	14100		1	0.59	3.27	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-36-0	Antimony	0.25	J	1	0.074	0.33	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-38-2	Arsenic	66.5		1	0.020	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-39-3	Barium	459		1	0.054	1.64	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-41-7	Beryllium	1.14		1	0.052	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-43-9	Cadmium	12.8		1	0.029	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-70-2	Calcium	6460		1	7.84	81.8	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-47-3	Chromium	341	D	5	0.21	1.64	mg/Kg	10/20/25 11:50	10/22/25 20:06	6020B	SW3050
7440-48-4	Cobalt	12.6		1	0.015	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-50-8	Copper	422		1	0.11	0.33	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7439-89-6	Iron	35800		1	1.50	8.18	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7439-92-1	Lead	474	N	1	0.052	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7439-95-4	Magnesium	7840		1	3.16	81.8	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7439-96-5	Manganese	402		1	0.056	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7439-97-6	Mercury	4.61	D	10	0.13	0.23	mg/Kg	10/20/25 09:30	10/22/25 14:36	7471B	7471B
7440-02-0	Nickel	53.6		1	0.070	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-09-7	Potassium	3110		1	6.28	81.8	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7782-49-2	Selenium	3.31		1	0.46	0.82	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-22-4	Silver	5.76	N	1	0.043	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-23-5	Sodium	7470		1	11.5	81.8	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-28-0	Thallium	0.50		1	0.023	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-62-2	Vanadium	51.8		1	0.018	0.82	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-66-6	Zinc	576		1	0.15	0.82	mg/Kg	10/20/25 11:50	10/22/25 16:13	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
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-047072-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	51.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	13700		1	0.60	3.30	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-36-0	Antimony	0.43		1	0.074	0.33	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-38-2	Arsenic	45.0		1	0.020	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-39-3	Barium	271		1	0.055	1.65	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-41-7	Beryllium	1.12		1	0.053	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-43-9	Cadmium	15.3		1	0.030	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-70-2	Calcium	8480		1	7.91	82.6	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-47-3	Chromium	532	D	5	0.22	1.65	mg/Kg	10/20/25 11:50	10/22/25 20:09	6020B	SW3050
7440-48-4	Cobalt	13.6		1	0.015	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-50-8	Copper	495		1	0.11	0.33	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7439-89-6	Iron	37400		1	1.52	8.26	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7439-92-1	Lead	457	N	1	0.053	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7439-95-4	Magnesium	8580		1	3.19	82.6	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7439-96-5	Manganese	335		1	0.056	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7439-97-6	Mercury	6.51	D	10	0.13	0.23	mg/Kg	10/20/25 09:30	10/22/25 14:39	7471B	7471B
7440-02-0	Nickel	91.4		1	0.071	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-09-7	Potassium	3180		1	6.34	82.6	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7782-49-2	Selenium	2.49		1	0.46	0.83	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-22-4	Silver	5.64	N	1	0.043	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-23-5	Sodium	10200		1	11.6	82.6	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-28-0	Thallium	0.43		1	0.023	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-62-2	Vanadium	88.2		1	0.018	0.83	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-66-6	Zinc	700		1	0.15	0.83	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050

U = Not Detected
LOQ = Limit of Quantitation
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LOD = Limit of Detection
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J = Estimated Value
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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-020047-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	66.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6330		1	0.45	2.50	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-36-0	Antimony	0.080	J	1	0.056	0.25	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-38-2	Arsenic	7.86		1	0.015	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-39-3	Barium	52.4		1	0.041	1.25	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-41-7	Beryllium	0.74		1	0.040	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-43-9	Cadmium	1.03		1	0.022	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-70-2	Calcium	4870		1	5.98	62.4	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-47-3	Chromium	49.4		1	0.032	0.25	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-48-4	Cobalt	8.16		1	0.011	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-50-8	Copper	103		1	0.081	0.25	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7439-89-6	Iron	17500		1	1.15	6.24	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7439-92-1	Lead	235	N	1	0.040	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7439-95-4	Magnesium	7170		1	2.41	62.4	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7439-96-5	Manganese	199		1	0.042	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7439-97-6	Mercury	5.14	D	10	0.097	0.18	mg/Kg	10/20/25 09:30	10/22/25 14:47	7471B	7471B
7440-02-0	Nickel	56.0		1	0.054	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-09-7	Potassium	1500		1	4.79	62.4	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7782-49-2	Selenium	0.59	J	1	0.35	0.62	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-22-4	Silver	1.80	N	1	0.032	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-23-5	Sodium	4580		1	8.76	62.4	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-28-0	Thallium	0.22		1	0.017	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-62-2	Vanadium	20.6		1	0.014	0.62	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-66-6	Zinc	259		1	0.11	0.62	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050

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LOD = Limit of Detection
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METAL CALIBRATION DATA

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV79	Mercury	3.76	4.0	94	90 - 110	CV	10/20/2025	14:21	LB137584

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV57	Mercury	5.10	5.0	102	90 - 110	CV	10/20/2025	14:26	LB137584
CCV58	Mercury	4.95	5.0	99	90 - 110	CV	10/20/2025	15:05	LB137584
CCV59	Mercury	4.90	5.0	98	90 - 110	CV	10/20/2025	15:40	LB137584
CCV60	Mercury	4.94	5.0	99	90 - 110	CV	10/20/2025	16:17	LB137584
CCV61	Mercury	5.03	5.0	101	90 - 110	CV	10/21/2025	08:57	LB137584

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

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.:** Q3376

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.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	1540	1600	96	90 - 110	P	10/22/2025	12:38	LB137619
	Antimony	422	400	106	90 - 110	P	10/22/2025	12:38	LB137619
	Arsenic	362	400	90	90 - 110	P	10/22/2025	12:38	LB137619
	Barium	1640	1600	103	90 - 110	P	10/22/2025	12:38	LB137619
	Beryllium	42.9	40.0	107	90 - 110	P	10/22/2025	12:38	LB137619
	Cadmium	215	200	107	90 - 110	P	10/22/2025	12:38	LB137619
	Calcium	4260	4000	106	90 - 110	P	10/22/2025	12:38	LB137619
	Chromium	160	160	100	90 - 110	P	10/22/2025	12:38	LB137619
	Cobalt	406	400	101	90 - 110	P	10/22/2025	12:38	LB137619
	Copper	189	200	95	90 - 110	P	10/22/2025	12:38	LB137619
	Iron	863	800	108	90 - 110	P	10/22/2025	12:38	LB137619
	Lead	383	400	96	90 - 110	P	10/22/2025	12:38	LB137619
	Magnesium	3720	4000	93	90 - 110	P	10/22/2025	12:38	LB137619
	Manganese	363	400	91	90 - 110	P	10/22/2025	12:38	LB137619
	Nickel	404	400	101	90 - 110	P	10/22/2025	12:38	LB137619
	Potassium	4110	4000	103	90 - 110	P	10/22/2025	12:38	LB137619
	Selenium	417	400	104	90 - 110	P	10/22/2025	12:38	LB137619
	Silver	213	200	106	90 - 110	P	10/22/2025	12:38	LB137619
	Sodium	4030	4000	101	90 - 110	P	10/22/2025	12:38	LB137619
	Thallium	389	400	97	90 - 110	P	10/22/2025	12:38	LB137619
	Vanadium	402	400	101	90 - 110	P	10/22/2025	12:38	LB137619
	Zinc	380	400	95	90 - 110	P	10/22/2025	12:38	LB137619

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

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.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	50200	50000	100	90 - 110	P	10/22/2025	13:27	LB137619
	Antimony	504	500	101	90 - 110	P	10/22/2025	13:27	LB137619
	Arsenic	491	500	98	90 - 110	P	10/22/2025	13:27	LB137619
	Barium	2490	2500	100	90 - 110	P	10/22/2025	13:27	LB137619
	Beryllium	490	500	98	90 - 110	P	10/22/2025	13:27	LB137619
	Cadmium	482	500	96	90 - 110	P	10/22/2025	13:27	LB137619
	Calcium	241000	250000	96	90 - 110	P	10/22/2025	13:27	LB137619
	Chromium	489	500	98	90 - 110	P	10/22/2025	13:27	LB137619
	Cobalt	499	500	100	90 - 110	P	10/22/2025	13:27	LB137619
	Copper	4850	5000	97	90 - 110	P	10/22/2025	13:27	LB137619
	Iron	129000	125000	103	90 - 110	P	10/22/2025	13:27	LB137619
	Lead	2470	2500	99	90 - 110	P	10/22/2025	13:27	LB137619
	Magnesium	252000	250000	101	90 - 110	P	10/22/2025	13:27	LB137619
	Manganese	4970	5000	99	90 - 110	P	10/22/2025	13:27	LB137619
	Nickel	481	500	96	90 - 110	P	10/22/2025	13:27	LB137619
	Potassium	126000	125000	101	90 - 110	P	10/22/2025	13:27	LB137619
	Selenium	460	500	92	90 - 110	P	10/22/2025	13:27	LB137619
	Silver	495	500	99	90 - 110	P	10/22/2025	13:27	LB137619
	Sodium	252000	250000	101	90 - 110	P	10/22/2025	13:27	LB137619
	Thallium	502	500	100	90 - 110	P	10/22/2025	13:27	LB137619
	Vanadium	506	500	101	90 - 110	P	10/22/2025	13:27	LB137619
	Zinc	4780	5000	96	90 - 110	P	10/22/2025	13:27	LB137619
CCV02	Aluminum	50600	50000	101	90 - 110	P	10/22/2025	14:11	LB137619
	Antimony	515	500	103	90 - 110	P	10/22/2025	14:11	LB137619
	Arsenic	488	500	98	90 - 110	P	10/22/2025	14:11	LB137619
	Barium	2590	2500	104	90 - 110	P	10/22/2025	14:11	LB137619
	Beryllium	504	500	101	90 - 110	P	10/22/2025	14:11	LB137619
	Cadmium	497	500	99	90 - 110	P	10/22/2025	14:11	LB137619
	Calcium	251000	250000	100	90 - 110	P	10/22/2025	14:11	LB137619
	Chromium	494	500	99	90 - 110	P	10/22/2025	14:11	LB137619
	Cobalt	494	500	99	90 - 110	P	10/22/2025	14:11	LB137619
	Copper	4940	5000	99	90 - 110	P	10/22/2025	14:11	LB137619
	Iron	129000	125000	103	90 - 110	P	10/22/2025	14:11	LB137619
	Lead	2550	2500	102	90 - 110	P	10/22/2025	14:11	LB137619

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

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

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

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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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

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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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

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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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

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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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

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.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.19	0.2	95	70 - 130	CV	10/20/2025	14:35	LB137584
CRA	Mercury	0.17	0.2	86	70 - 130	CV	10/22/2025	11:39	LB137610
CRI01	Aluminum	20.9	20.0	105	70 - 130	P	10/22/2025	13:33	LB137619
	Antimony	2.06	2.0	103	70 - 130	P	10/22/2025	13:33	LB137619
	Arsenic	1.12	1.0	112	70 - 130	P	10/22/2025	13:33	LB137619
	Barium	9.63	10.0	96	70 - 130	P	10/22/2025	13:33	LB137619
	Beryllium	1.08	1.0	108	70 - 130	P	10/22/2025	13:33	LB137619
	Cadmium	0.86	1.0	86	70 - 130	P	10/22/2025	13:33	LB137619
	Calcium	532	500	106	70 - 130	P	10/22/2025	13:33	LB137619
	Chromium	1.99	2.0	100	70 - 130	P	10/22/2025	13:33	LB137619
	Cobalt	1.05	1.0	105	50 - 150	P	10/22/2025	13:33	LB137619
	Copper	2.06	2.0	103	70 - 130	P	10/22/2025	13:33	LB137619
	Iron	60.0	50.0	120	70 - 130	P	10/22/2025	13:33	LB137619
	Lead	0.86	1.0	86	70 - 130	P	10/22/2025	13:33	LB137619
	Magnesium	489	500	98	70 - 130	P	10/22/2025	13:33	LB137619
	Manganese	1.05	1.0	105	50 - 150	P	10/22/2025	13:33	LB137619
	Nickel	1.13	1.0	113	70 - 130	P	10/22/2025	13:33	LB137619
	Potassium	537	500	108	70 - 130	P	10/22/2025	13:33	LB137619
	Selenium	4.66	5.0	93	70 - 130	P	10/22/2025	13:33	LB137619
	Silver	1.12	1.0	112	70 - 130	P	10/22/2025	13:33	LB137619
	Sodium	532	500	106	70 - 130	P	10/22/2025	13:33	LB137619
	Thallium	1.00	1.0	100	70 - 130	P	10/22/2025	13:33	LB137619
	Vanadium	4.93	5.0	99	70 - 130	P	10/22/2025	13:33	LB137619
	Zinc	5.85	5.0	117	50 - 150	P	10/22/2025	13:33	LB137619

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB79	Mercury	0.076	+/-0.2	U	0.20	CV	10/20/2025	14:23	LB137584

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB57	Mercury	0.076	+/-0.2	U	0.20	CV	10/20/2025	14:28	LB137584
CCB58	Mercury	0.076	+/-0.2	U	0.20	CV	10/20/2025	15:08	LB137584
CCB59	Mercury	0.076	+/-0.2	U	0.20	CV	10/20/2025	15:43	LB137584
CCB60	Mercury	0.076	+/-0.2	U	0.20	CV	10/20/2025	16:20	LB137584
CCB61	Mercury	0.076	+/-0.2	U	0.20	CV	10/21/2025	09:00	LB137584

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

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.:** Q3376

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.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	13:16	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	13:16	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	13:16	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	13:16	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	13:16	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	13:16	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	13:16	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	13:16	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	13:16	LB137619

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

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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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	14:18	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	14:18	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	14:18	LB137619
CCB03	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	15:05	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	15:05	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	15:05	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	15:05	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	15:05	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	15:05	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	15:05	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	15:05	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	15:05	LB137619
CCB04	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	16:00	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	16:00	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	16:00	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	16:00	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	16:00	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	16:00	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	16:00	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

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.:** Q3376

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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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

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.:** Q3376

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.:** Q3376

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170170BL		**SOLID**		**Batch Number:**	**PB170170**		**Prep Date:**	**10/20/2025**	
	Mercury	0.0080	<0.014	U	0.014	CV	10/20/2025	14:42	LB137584

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Metals
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PREPARATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

Instrument: P7

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170158BL		**SOLID**		**Batch Number:**	**PB170158**		**Prep Date:**	**10/20/2025**	
	Aluminum	0.36	<1	U	2.00	P	10/22/2025	15:20	LB137619
	Antimony	0.045	<0.1	U	0.20	P	10/22/2025	15:20	LB137619
	Arsenic	0.012	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Barium	0.033	<0.5	U	1.00	P	10/22/2025	15:20	LB137619
	Beryllium	0.032	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Cadmium	0.018	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Calcium	4.79	<25	U	50.0	P	10/22/2025	15:20	LB137619
	Chromium	0.026	<0.1	U	0.20	P	10/22/2025	15:20	LB137619
	Cobalt	0.0090	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Copper	0.065	<0.1	U	0.20	P	10/22/2025	15:20	LB137619
	Iron	0.92	<2.5	U	5.00	P	10/22/2025	15:20	LB137619
	Lead	0.032	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Magnesium	1.93	<25	U	50.0	P	10/22/2025	15:20	LB137619
	Manganese	0.034	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Nickel	0.043	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Potassium	3.84	<25	U	50.0	P	10/22/2025	15:20	LB137619
	Selenium	0.28	<0.25	U	0.50	P	10/22/2025	15:20	LB137619
	Silver	0.026	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Sodium	7.02	<25	U	50.0	P	10/22/2025	15:20	LB137619
	Thallium	0.014	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Vanadium	0.011	<0.25	U	0.50	P	10/22/2025	15:20	LB137619
	Zinc	0.090	<0.25	U	0.50	P	10/22/2025	15:20	LB137619

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Metals
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INTERFERENCE CHECK SAMPLE

Client: AECOM **SDG No.:** Q3376

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.:** Q3376

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.:** Q3376

contract: AECO02 **lab code:** ACE

matrix: Solid **sample id:** Q3374-05 **client id:** TP-5-WCMS

Percent Solids for Sample: 93.1 **Spiked ID:** Q3374-05MS **Percent Solids for Spike Sample:** 93.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.27		0.013	U	0.28	96		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3376

contract: AECO02 **lab code:** ACE

matrix: Solid **sample id:** Q3374-05 **client id:** TP-5-WCMSD

Percent Solids for Sample: 93.1 **Spiked ID:** Q3374-05MSD **Percent Solids for Spike Sample:** 93.1

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.27		0.013	U	0.28	96		CV

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metals
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MATRIX SPIKE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3376

contract: AECO02 **lab code:** ACE

matrix: Solid **sample id:** Q3376-05 **client id:** PR132-S12-020047-20251016MS

Percent Solids for Sample: 66.8 **Spiked ID:** Q3376-05MS **Percent Solids for Spike Sample:** 66.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	7710		6330		1300	109		P
Antimony	mg/Kg	75 - 125	60.1		0.080	J	63.4	95		P
Arsenic	mg/Kg	75 - 125	62.1		7.86		63.4	85		P
Barium	mg/Kg	75 - 125	337		52.4		320	90		P
Beryllium	mg/Kg	75 - 125	57.5		0.74		63.4	89		P
Cadmium	mg/Kg	75 - 125	61.4		1.03		63.4	95		P
Calcium	mg/Kg	75 - 125	11100		4870		6300	99		P
Chromium	mg/Kg	75 - 125	116		49.4		63.4	106		P
Cobalt	mg/Kg	75 - 125	65.6		8.16		63.4	91		P
Copper	mg/Kg	75 - 125	646		103		630	86		P
Iron	mg/Kg	75 - 125	21200		17500		3200	116		P
Lead	mg/Kg	75 - 125	455		235		320	69	N	P
Magnesium	mg/Kg	75 - 125	13400		7170		6300	98		P
Manganese	mg/Kg	75 - 125	753		199		630	87		P
Nickel	mg/Kg	75 - 125	115		56.0		63.4	93		P
Potassium	mg/Kg	75 - 125	4290		1500		3200	88		P
Selenium	mg/Kg	75 - 125	51.5		0.59	J	63.4	80		P
Silver	mg/Kg	75 - 125	11.9		1.80		63.4	16	N	P
Sodium	mg/Kg	75 - 125	11000		4580		6300	101		P
Thallium	mg/Kg	75 - 125	58.8		0.22		63.4	92		P
Vanadium	mg/Kg	75 - 125	80.1		20.6		63.4	94		P
Zinc	mg/Kg	75 - 125	794		259		630	84		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3376

contract: AECO02 **lab code:** ACE

matrix: Solid **sample id:** Q3376-05 **client id:** PR132-S12-020047-20251016MSD

Percent Solids for Sample: 66.8 **Spiked ID:** Q3376-05MSD **Percent Solids for Spike Sample:** 66.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	7900		6330		1300	122		P
Antimony	mg/Kg	75 - 125	60.9		0.080	J	64.5	94		P
Arsenic	mg/Kg	75 - 125	63.1		7.86		64.5	86		P
Barium	mg/Kg	75 - 125	341		52.4		320	90		P
Beryllium	mg/Kg	75 - 125	59.8		0.74		64.5	92		P
Cadmium	mg/Kg	75 - 125	61.3		1.03		64.5	93		P
Calcium	mg/Kg	75 - 125	11300		4870		6500	100		P
Chromium	mg/Kg	75 - 125	119		49.4		64.5	108		P
Cobalt	mg/Kg	75 - 125	66.4		8.16		64.5	90		P
Copper	mg/Kg	75 - 125	657		103		650	86		P
Iron	mg/Kg	75 - 125	21600		17500		3200	127		P
Lead	mg/Kg	75 - 125	473		235		320	74	N	P
Magnesium	mg/Kg	75 - 125	13500		7170		6500	99		P
Manganese	mg/Kg	75 - 125	765		199		650	88		P
Nickel	mg/Kg	75 - 125	116		56.0		64.5	93		P
Potassium	mg/Kg	75 - 125	4350		1500		3200	88		P
Selenium	mg/Kg	75 - 125	53.6		0.59	J	64.5	82		P
Silver	mg/Kg	75 - 125	12.1		1.80		64.5	16	N	P
Sodium	mg/Kg	75 - 125	11100		4580		6500	101		P
Thallium	mg/Kg	75 - 125	60.8		0.22		64.5	94		P
Vanadium	mg/Kg	75 - 125	81.7		20.6		64.5	95		P
Zinc	mg/Kg	75 - 125	801		259		650	84		P

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Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Level:** LOW **Client ID:** PR132-S12-020047-20251016A

Sample ID: Q3376-05 **Spiked ID:** Q3376-05A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Lead	mg/Kg	75 - 125	520		235		310	92		P
Silver	mg/Kg	75 - 125	11.0		1.80		62.4	15	N	P

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Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3374-05 **Client ID:** TP-5-WCDUP

Percent Solids for Sample: 93.1 **Duplicate ID** Q3374-05DUP **Percent Solids for Spike Sample:** 93.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.013	U	0.013	U			CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3374-05MS **Client ID:** TP-5-WCMSD

Percent Solids for Sample: 93.1 **Duplicate ID** Q3374-05MSD **Percent Solids for Spike Sample:** 93.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.27		0.27		1		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3376-05 **Client ID:** PR132-S12-020047-20251016DUP

Percent Solids for Sample: 66.8 **Duplicate ID** Q3376-05DUP **Percent Solids for Spike Sample:** 66.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	6330		6790		7		P
Antimony	mg/Kg	20	0.080	J	0.11	J	35		P
Arsenic	mg/Kg	20	7.86		8.25		5		P
Barium	mg/Kg	20	52.4		60.7		15		P
Beryllium	mg/Kg	20	0.74		0.76		3		P
Cadmium	mg/Kg	20	1.03		1.12		8		P
Calcium	mg/Kg	20	4870		5140		5		P
Chromium	mg/Kg	20	49.4		53.0		7		P
Cobalt	mg/Kg	20	8.16		8.77		7		P
Copper	mg/Kg	20	103		110		7		P
Iron	mg/Kg	20	17500		18900		8		P
Lead	mg/Kg	20	235		245		4		P
Magnesium	mg/Kg	20	7170		7670		7		P
Manganese	mg/Kg	20	199		214		7		P
Nickel	mg/Kg	20	56.0		60.0		7		P
Potassium	mg/Kg	20	1500		1610		7		P
Selenium	mg/Kg	20	0.59	J	0.52	J	14		P
Silver	mg/Kg	20	1.80		1.87		4		P
Sodium	mg/Kg	20	4580		4920		7		P
Thallium	mg/Kg	20	0.22		0.19		14		P
Vanadium	mg/Kg	20	20.6		21.9		6		P
Zinc	mg/Kg	20	259		278		7		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3376-05MS **Client ID:** PR132-S12-020047-20251016MSD

Percent Solids for Sample: 66.8 **Duplicate ID** Q3376-05MSD **Percent Solids for Spike Sample:** 66.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	7710		7900		2		P
Antimony	mg/Kg	20	60.1		60.9		1		P
Arsenic	mg/Kg	20	62.1		63.1		2		P
Barium	mg/Kg	20	337		341		1		P
Beryllium	mg/Kg	20	57.5		59.8		4		P
Cadmium	mg/Kg	20	61.4		61.3		0		P
Calcium	mg/Kg	20	11100		11300		2		P
Chromium	mg/Kg	20	116		119		3		P
Cobalt	mg/Kg	20	65.6		66.4		1		P
Copper	mg/Kg	20	646		657		2		P
Iron	mg/Kg	20	21200		21600		2		P
Lead	mg/Kg	20	455		473		4		P
Magnesium	mg/Kg	20	13400		13500		1		P
Manganese	mg/Kg	20	753		765		2		P
Nickel	mg/Kg	20	115		116		1		P
Potassium	mg/Kg	20	4290		4350		1		P
Selenium	mg/Kg	20	51.5		53.6		4		P
Silver	mg/Kg	20	11.9		12.1		2		P
Sodium	mg/Kg	20	11000		11100		1		P
Thallium	mg/Kg	20	58.8		60.8		3		P
Vanadium	mg/Kg	20	80.1		81.7		2		P
Zinc	mg/Kg	20	794		801		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170158BS							
Aluminum	mg/Kg	1000	1060		106	80 - 120	P
Antimony	mg/Kg	50.0	52.3		105	80 - 120	P
Arsenic	mg/Kg	50.0	50.6		101	80 - 120	P
Barium	mg/Kg	250	255		102	80 - 120	P
Beryllium	mg/Kg	50.0	51.4		103	80 - 120	P
Cadmium	mg/Kg	50.0	51.8		104	80 - 120	P
Calcium	mg/Kg	5000	5220		104	80 - 120	P
Chromium	mg/Kg	50.0	58.9		118	80 - 120	P
Cobalt	mg/Kg	50.0	51.5		103	80 - 120	P
Copper	mg/Kg	500	524		105	80 - 120	P
Iron	mg/Kg	2500	2800		112	80 - 120	P
Lead	mg/Kg	250	255		102	80 - 120	P
Magnesium	mg/Kg	5000	5250		105	80 - 120	P
Manganese	mg/Kg	500	514		103	80 - 120	P
Nickel	mg/Kg	50.0	56.1		112	80 - 120	P
Potassium	mg/Kg	2500	2610		104	80 - 120	P
Selenium	mg/Kg	50.0	51.3		103	80 - 120	P
Silver	mg/Kg	50.0	42.1		84	80 - 120	P
Sodium	mg/Kg	5000	5280		106	80 - 120	P
Thallium	mg/Kg	50.0	51.5		103	80 - 120	P
Vanadium	mg/Kg	50.0	51.3		103	80 - 120	P
Zinc	mg/Kg	500	531		106	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170170BS							
Mercury	mg/Kg	0.28	0.26		94	80 - 120	CV

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
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

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.: Q3376
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.: Q3376
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
ZZZZZZ	ZZZZZZ	1449										
CCV03	CCV03	1454	90		100		102		96		101	
CCB03	CCB03	1505	89		99		101		100		100	
ZZZZZZ	ZZZZZZ	1514										
ZZZZZZ	ZZZZZZ	1517										
PB170158BL	PB170158BL	1520	89		96		98		98		99	
PB170158BS	PB170158BS	1524	92		98		100		97		101	
ZZZZZZ	ZZZZZZ	1527										
ZZZZZZ	ZZZZZZ	1530										
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										
Q3376-01	PR132-S05-01	1606	94		109		122		100		103	
Q3376-02	PR132-DP01-	1609	93		108		121		101		103	
Q3376-03	PR132-COMP2	1613	94		112		129		99		103	
Q3376-04	PR132-S12-01	1616	91		109		125		96		102	
Q3376-05	PR132-S12-01	1619	90		105		114		99		102	
Q3376-05L	PR132-S12-01	1625	89		100		103		100		101	
Q3376-05MSD	PR132-S12-01	1631	90		103		113		96		103	
Q3376-05DUP	PR132-S12-01	1640	93		106		116		99		104	
Q3376-05MS	PR132-S12-01	1643	95		107		118		98		105	
CCV05	CCV05	1646	94		102		103		99		105	
CCB05	CCB05	1655	87		95		98		98		100	
Q3376-05A	PR132-S12-01	1700	93		106		116		97		104	
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
ZZZZZZ	ZZZZZZ	1744										
CCV06	CCV06	1759	85		95		97		93		102	
CCB06	CCB06	1810	82		90		93		94		97	
ZZZZZZ	ZZZZZZ	1815										
ZZZZZZ	ZZZZZZ	1818										
ZZZZZZ	ZZZZZZ	1821										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	84		94		98		93		99	
CCB07	CCB07	1849	80		90		94		95		96	
ZZZZZZ	ZZZZZZ	1912										
ZZZZZZ	ZZZZZZ	1915										
ZZZZZZ	ZZZZZZ	1918										
ZZZZZZ	ZZZZZZ	1922										
ZZZZZZ	ZZZZZZ	1925										
ZZZZZZ	ZZZZZZ	1928										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	84		92		96		92		98	
CCB08	CCB08	1952	78		89		92		92		94	
ZZZZZZ	ZZZZZZ	1957										
Q3376-01	PR132-S05-02	2000	80		91		96		91		96	
Q3376-02	PR132-DP01-	2003	82		93		98		94		96	
Q3376-03	PR132-COMP2	2006	83		95		99		94		97	
Q3376-04	PR132-S12-02	2009	81		93		102		95		97	
ZZZZZZ	ZZZZZZ	2012										
ZZZZZZ	ZZZZZZ	2016										
ZZZZZZ	ZZZZZZ	2019										
ZZZZZZ	ZZZZZZ	2022										
ZZZZZZ	ZZZZZZ	2025										
CCV09	CCV09	2028	83		92		94		91		97	
CCB09	CCB09	2031	80		89		92		91		95	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
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.: Q3376
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
ZZZZZZ	ZZZZZZ	1449										
CCV03	CCV03	1454	101		101		96		104		103	
CCB03	CCB03	1505	97		100		99		102		102	
ZZZZZZ	ZZZZZZ	1514										
ZZZZZZ	ZZZZZZ	1517										
PB170158BL	PB170158BL	1520	95		97		97		101		100	
PB170158BS	PB170158BS	1524	96		97		97		100		102	
ZZZZZZ	ZZZZZZ	1527										
ZZZZZZ	ZZZZZZ	1530										
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										
Q3376-01	PR132-S05-01	1606	110		121		100		106		106	
Q3376-02	PR132-DP01-	1609	109		122		100		105		104	
Q3376-03	PR132-COMP2	1613	113		128		99		106		105	
Q3376-04	PR132-S12-01	1616	111		124		97		104		105	
Q3376-05	PR132-S12-01	1619	106		116		98		104		104	
Q3376-05L	PR132-S12-01	1625	102		104		100		103		103	
Q3376-05MSD	PR132-S12-01	1631	105		114		96		103		103	
Q3376-05DUP	PR132-S12-01	1640	107		119		101		108		108	
Q3376-05MS	PR132-S12-01	1643	108		118		99		107		107	
CCV05	CCV05	1646	103		102		99		107		108	
CCB05	CCB05	1655	94		98		98		101		102	
Q3376-05A	PR132-S12-01	1700	106		115		101		109		107	
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										

Internal Standard %RI Limit: 70 - 130

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
ZZZZZZ	ZZZZZZ	1744										
CCV06	CCV06	1759	96		96		93		102		102	
CCB06	CCB06	1810	89		93		93		97		97	
ZZZZZZ	ZZZZZZ	1815										
ZZZZZZ	ZZZZZZ	1818										
ZZZZZZ	ZZZZZZ	1821										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	95		95		92		99		100	
CCB07	CCB07	1849	90		94		95		97		96	
ZZZZZZ	ZZZZZZ	1912										
ZZZZZZ	ZZZZZZ	1915										
ZZZZZZ	ZZZZZZ	1918										
ZZZZZZ	ZZZZZZ	1922										
ZZZZZZ	ZZZZZZ	1925										
ZZZZZZ	ZZZZZZ	1928										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	93		95		91		100		100	
CCB08	CCB08	1952	89		93		93		95		95	
ZZZZZZ	ZZZZZZ	1957										
Q3376-01	PR132-S05-02	2000	92		98		94		98		96	
Q3376-02	PR132-DP01-	2003	93		98		95		97		98	
Q3376-03	PR132-COMP2	2006	95		99		94		98		99	
Q3376-04	PR132-S12-02	2009	95		100		94		97		97	
ZZZZZZ	ZZZZZZ	2012										
ZZZZZZ	ZZZZZZ	2016										
ZZZZZZ	ZZZZZZ	2019										
ZZZZZZ	ZZZZZZ	2022										
ZZZZZZ	ZZZZZZ	2025										
CCV09	CCV09	2028	92		93		90		98		98	
CCB09	CCB09	2031	89		94		93		97		96	

Internal Standard %RI Limit: 70 - 130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1154	100		100							
S2	S2	1157	98		99							
S3	S3	1204	97		99							
S4	S4	1207	99		100							
S5	S5	1210	99		99							
S6	S6	1213	101		102							
S7	S7	1216	102		103							
S8	S8	1219	103		95							
ICV01	ICV01	1238	100		100							
LLICV01	LLICV01	1312	97		96							
ICB01	ICB01	1316	97		95							
ICSA01	ICSA01	1320	101		98							
ICSAB01	ICSAB01	1323	105		100							
CCV01	CCV01	1327	106		100							
CCB01	CCB01	1330	99		97							
CRI01	CRI01	1333	101		99							
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	104		98							
CCB02	CCB02	1418	101		99							
ZZZZZZ	ZZZZZZ	1421										
ZZZZZZ	ZZZZZZ	1424										
ZZZZZZ	ZZZZZZ	1427										
ZZZZZZ	ZZZZZZ	1430										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1443										
ZZZZZZ	ZZZZZZ	1446										
ZZZZZZ	ZZZZZZ	1449										
CCV03	CCV03	1454	101		94							
CCB03	CCB03	1505	100		97							
ZZZZZZ	ZZZZZZ	1514										
ZZZZZZ	ZZZZZZ	1517										
PB170158BL	PB170158BL	1520	99		99							
PB170158BS	PB170158BS	1524	102		99							
ZZZZZZ	ZZZZZZ	1527										
ZZZZZZ	ZZZZZZ	1530										
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										
Q3376-01	PR132-S05-05	1606	103		107							
Q3376-02	PR132-DP01-2	1609	104		105							
Q3376-03	PR132-COMP2-	1613	102		106							
Q3376-04	PR132-S12-04	1616	100		101							
Q3376-05	PR132-S12-02	1619	102		96							
Q3376-05L	PR132-S12-02	1625	99		97							
Q3376-05MSD	PR132-S12-02	1631	102		98							
Q3376-05DUP	PR132-S12-02	1640	105		103							
Q3376-05MS	PR132-S12-02	1643	105		102							
CCV05	CCV05	1646	107		99							
CCB05	CCB05	1655	100		98							
Q3376-05A	PR132-S12-02	1700	105		102							
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										
ZZZZZZ	ZZZZZZ	1744										
CCV06	CCV06	1759	101		94							
CCB06	CCB06	1810	97		95							
ZZZZZZ	ZZZZZZ	1815										
ZZZZZZ	ZZZZZZ	1818										
ZZZZZZ	ZZZZZZ	1821										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	100		93							
CCB07	CCB07	1849	96		95							
ZZZZZZ	ZZZZZZ	1912										
ZZZZZZ	ZZZZZZ	1915										
ZZZZZZ	ZZZZZZ	1918										
ZZZZZZ	ZZZZZZ	1922										
ZZZZZZ	ZZZZZZ	1925										
ZZZZZZ	ZZZZZZ	1928										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	100		93							
CCB08	CCB08	1952	93		93							
ZZZZZZ	ZZZZZZ	1957										
Q3376-01	PR132-S05-05	2000	95		94							
Q3376-02	PR132-DP01-2	2003	97		95							
Q3376-03	PR132-COMP2-	2006	96		95							
Q3376-04	PR132-S12-04	2009	96		93							
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.: Q3376
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	2019										
ZZZZZZ	ZZZZZZ	2022										
ZZZZZZ	ZZZZZZ	2025										
CCV09	CCV09	2028	98		91							
CCB09	CCB09	2031	93		92							

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1154	100									
S2	S2	1157	101									
S3	S3	1204	99									
S4	S4	1207	97									
S5	S5	1210	97									
S6	S6	1213	98									
S7	S7	1216	97									
S8	S8	1219	94									
ICV01	ICV01	1238	102									
LLICV01	LLICV01	1312	97									
ICB01	ICB01	1316	99									
ICSA01	ICSA01	1320	95									
ICSAB01	ICSAB01	1323	99									
CCV01	CCV01	1327	96									
CCB01	CCB01	1330	98									
CRI01	CRI01	1333	99									
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	97									
CCB02	CCB02	1418	100									
ZZZZZZ	ZZZZZZ	1421										
ZZZZZZ	ZZZZZZ	1424										
ZZZZZZ	ZZZZZZ	1427										
ZZZZZZ	ZZZZZZ	1430										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1443										
ZZZZZZ	ZZZZZZ	1446										
ZZZZZZ	ZZZZZZ	1449										
CCV03	CCV03	1454	93									
CCB03	CCB03	1505	99									
ZZZZZZ	ZZZZZZ	1514										
ZZZZZZ	ZZZZZZ	1517										
PB170158BL	PB170158BL	1520	96									
PB170158BS	PB170158BS	1524	97									
ZZZZZZ	ZZZZZZ	1527										
ZZZZZZ	ZZZZZZ	1530										
ZZZZZZ	ZZZZZZ	1533										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
CCV04	CCV04	1545	93									
CCB04	CCB04	1600	95									
ZZZZZZ	ZZZZZZ	1603										
Q3376-01	PR132-S05-05	1606	106									
Q3376-02	PR132-DP01-2	1609	104									
Q3376-03	PR132-COMP2-	1613	105									
Q3376-04	PR132-S12-04	1616	100									
Q3376-05	PR132-S12-02	1619	97									
Q3376-05L	PR132-S12-02	1625	97									
Q3376-05MSD	PR132-S12-02	1631	97									
Q3376-05DUP	PR132-S12-02	1640	102									
Q3376-05MS	PR132-S12-02	1643	100									
CCV05	CCV05	1646	97									
CCB05	CCB05	1655	96									
Q3376-05A	PR132-S12-02	1700	100									
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										
ZZZZZZ	ZZZZZZ	1744										
CCV06	CCV06	1759	93									
CCB06	CCB06	1810	93									
ZZZZZZ	ZZZZZZ	1815										
ZZZZZZ	ZZZZZZ	1818										
ZZZZZZ	ZZZZZZ	1821										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	91									
CCB07	CCB07	1849	93									
ZZZZZZ	ZZZZZZ	1912										
ZZZZZZ	ZZZZZZ	1915										
ZZZZZZ	ZZZZZZ	1918										
ZZZZZZ	ZZZZZZ	1922										
ZZZZZZ	ZZZZZZ	1925										
ZZZZZZ	ZZZZZZ	1928										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	89									
CCB08	CCB08	1952	93									
ZZZZZZ	ZZZZZZ	1957										
Q3376-01	PR132-S05-05	2000	93									
Q3376-02	PR132-DP01-2	2003	92									
Q3376-03	PR132-COMP2-	2006	95									
Q3376-04	PR132-S12-04	2009	93									
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.: Q3376

Instrument ID: P7 Start Date : 10/22/2025

Run Number: LB137619 End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	2019										
ZZZZZZ	ZZZZZZ	2022										
ZZZZZZ	ZZZZZZ	2025										
CCV09	CCV09	2028	88									
CCB09	CCB09	2031	93									

Internal Standard %RI Limit: 70 -130

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

TP-5-WCL

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **Lb No.:** lb137584 **Lab Sample ID :** Q3374-05L **SDG No.:** Q3376

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.013	U	0.065	U			CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

PR132-S12-020047-20251016L

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **Lb No.:** lb137619 **Lab Sample ID :** Q3376-05L **SDG No.:** Q3376

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	6330		6750		7		P
Antimony	0.080	J	1.25	U	100.0		P
Arsenic	7.86		9.08		15		P
Barium	52.4		54.1		3		P
Beryllium	0.74		0.74		1		P
Cadmium	1.03		1.01		2		P
Calcium	4870		5220		7		P
Chromium	49.4		52.2		6		P
Cobalt	8.16		8.63		6		P
Copper	103		107		4		P
Iron	17500		18600		6		P
Lead	235		229		3		P
Magnesium	7170		7570		6		P
Manganese	199		209		5		P
Nickel	56.0		60.2		7		P
Potassium	1500		1630		9		P
Selenium	0.59	J	3.12	U	100.0		P
Silver	1.80		1.84		3		P
Sodium	4580		4760		4		P
Thallium	0.22		0.23	J	5		P
Vanadium	20.6		21.5		4		P
Zinc	259		280		8		P

METAL PREPARATION & INSTRUMENT DATA

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170158**						
PB170158BL	PB170158BL	MB	SOLID	10/20/2025	1.00	100.0	100.00
PB170158BS	PB170158BS	LCS	SOLID	10/20/2025	1.00	100.0	100.00
Q3376-01	PR132-S05-057082-20251016	SAM	SOLID	10/20/2025	1.20	100.0	53.50
Q3376-02	PR132-DP01-20251016	SAM	SOLID	10/20/2025	1.12	100.0	53.60
Q3376-03	PR132-COMP2-20251016	SAM	SOLID	10/20/2025	1.16	100.0	52.70
Q3376-04	PR132-S12-047072-20251016	SAM	SOLID	10/20/2025	1.18	100.0	51.30
Q3376-05	PR132-S12-020047-20251016	SAM	SOLID	10/20/2025	1.20	100.0	66.80
Q3376-05DUP	PR132-S12-020047-20251016DUP	DUP	SOLID	10/20/2025	1.14	100.0	66.80
Q3376-05MS	PR132-S12-020047-20251016MS	MS	SOLID	10/20/2025	1.18	100.0	66.80
Q3376-05MSD	PR132-S12-020047-20251016MSD	MSD	SOLID	10/20/2025	1.16	100.0	66.80

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Metals
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SAMPLE PREPARATION SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170170**						
PB170170BL	PB170170BL	MB	SOLID	10/20/2025	0.50	35.0	100.00
PB170170BS	PB170170BS	LCS	SOLID	10/20/2025	0.50	35.0	100.00
Q3374-05DUP	TP-5-WCDUP	DUP	SOLID	10/20/2025	0.58	35.0	93.10
Q3374-05MS	TP-5-WCMS	MS	SOLID	10/20/2025	0.53	35.0	93.10
Q3374-05MSD	TP-5-WCMSD	MSD	SOLID	10/20/2025	0.53	35.0	93.10
Q3376-01	PR132-S05-057082-20251016	SAM	SOLID	10/20/2025	0.56	35.0	53.50
Q3376-02	PR132-DP01-20251016	SAM	SOLID	10/20/2025	0.13	35.0	53.60
Q3376-03	PR132-COMP2-20251016	SAM	SOLID	10/20/2025	0.57	35.0	52.70
Q3376-04	PR132-S12-047072-20251016	SAM	SOLID	10/20/2025	0.60	35.0	51.30
Q3376-05	PR132-S12-020047-20251016	SAM	SOLID	10/20/2025	0.60	35.0	66.80

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metals
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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3376

Instrument id number: **Method:** **Run number:** LB137584

Start date: 10/20/2025 **End date:** 10/21/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1358	HG
S0.2	S0.2	1	1401	HG
S2.5	S2.5	1	1403	HG
S5	S5	1	1405	HG
S7.5	S7.5	1	1408	HG
S10	S10	1	1417	HG
ICV79	ICV79	1	1421	HG
ICB79	ICB79	1	1423	HG
CCV57	CCV57	1	1426	HG
CCB57	CCB57	1	1428	HG
CRA	CRA	1	1435	HG
PB170170BL	PB170170BL	1	1442	HG
PB170170BS	PB170170BS	1	1448	HG
Q3374-05DUP	TP-5-WCDUP	1	1455	HG
Q3374-05MS	TP-5-WCMS	1	1500	HG
Q3374-05MSD	TP-5-WCMSD	1	1502	HG
CCV58	CCV58	1	1505	HG
CCB58	CCB58	1	1508	HG
CCV59	CCV59	1	1540	HG
CCB59	CCB59	1	1543	HG
CCV60	CCV60	1	1617	HG
CCB60	CCB60	1	1620	HG
Q3374-05L	TP-5-WCL	5	1634	HG
CCV61	CCV61	1	0857	HG
CCB61	CCB61	1	0900	HG

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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3376

Instrument id number: **Method:** **Run number:** LB137610

Start date: 10/22/2025 **End date:** 10/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1113	HG
S0.2	S0.2	1	1116	HG
S2.5	S2.5	1	1118	HG
S5	S5	1	1120	HG
S7.5	S7.5	1	1123	HG
S10	S10	1	1125	HG
ICV83	ICV83	1	1129	HG
ICB83	ICB83	1	1131	HG
CCV71	CCV71	1	1134	HG
CCB71	CCB71	1	1136	HG
CRA	CRA	1	1139	HG
CCV72	CCV72	1	1214	HG
CCB72	CCB72	1	1216	HG
CCV73	CCV73	1	1248	HG
CCB73	CCB73	1	1254	HG
CCV74	CCV74	1	1323	HG
CCB74	CCB74	1	1326	HG
CCV75	CCV75	1	1411	HG
CCB75	CCB75	1	1413	HG
Q3376-01	PR132-S05-057082-20251016	10	1431	HG
Q3376-02	PR132-DP01-20251016	10	1433	HG
Q3376-03	PR132-COMP2-20251016	10	1436	HG
Q3376-04	PR132-S12-047072-20251016	10	1439	HG
CCV76	CCV76	1	1442	HG
CCB76	CCB76	1	1444	HG
Q3376-05	PR132-S12-020047-20251016	10	1447	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.:** Q3376
Instrument id number: **Method:** **Run number:** LB137619
Start date: 10/22/2025 **End date:** 10/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1154	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1157	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1204	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1207	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1210	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1213	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1216	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1219	Al,Ca,Fe,K,Mg,Na
ICV01	ICV01	1	1238	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1312	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1316	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1320	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1323	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1327	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1330	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1333	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1411	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1418	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1454	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1505	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170158BL	PB170158BL	1	1520	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170158BS	PB170158BS	1	1524	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
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
Q3376-01	PR132-S05-057082-20251016	1	1606	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-02	PR132-DP01-20251016	1	1609	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-03	PR132-COMP2-20251016	1	1613	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-04	PR132-S12-047072-20251016	1	1616	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-05	PR132-S12-020047-20251016	1	1619	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-05L	PR132-S12-020047-20251016L	5	1625	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-05MSD	PR132-S12-020047-20251016M	1	1631	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-05DUP	PR132-S12-020047-20251016DU	1	1640	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-05MS	PR132-S12-020047-20251016M	1	1643	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1646	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1655	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-05A	PR132-S12-020047-20251016A	1	1700	Ag,Pb
CCV06	CCV06	1	1759	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1810	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1841	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1849	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
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

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metals
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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3376

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
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
Q3376-01	PR132-S05-057082-20251016	5	2000	Cr
Q3376-02	PR132-DP01-20251016	5	2003	Cr
Q3376-03	PR132-COMP2-20251016	5	2006	Cr
Q3376-04	PR132-S12-047072-20251016	5	2009	Cr
CCV09	CCV09	1	2028	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	2031	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV10	CCV10	1	2103	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB10	CCB10	1	2106	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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LAB CHRONICLE

OrderID:	Q3376	**OrderDate:**	10/17/2025 10:34:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60697095.171208
Contact:	Rob Forstner	**Location:**	Soil,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3376-01	**PR132-S05-057082-20251016**	**SOIL**			**10/16/25 10:35**			**10/16/25**
			Hexavalent Chromium	7196A		10/21/25	10/21/25 15:54	
			TOC	Lloyd Kahn			10/21/25 10:45	
Q3376-02	**PR132-DP01-20251016**	**SOIL**			**10/16/25 10:50**			**10/16/25**
			Hexavalent Chromium	7196A		10/21/25	10/21/25 15:55	
			TOC	Lloyd Kahn			10/21/25 11:08	
Q3376-03	**PR132-COMP2-20251016**	**SOIL**			**10/16/25 12:50**			**10/16/25**
			Hexavalent Chromium	7196A		10/21/25	10/21/25 15:55	
			TOC	Lloyd Kahn			10/21/25 11:34	
Q3376-04	**PR132-S12-047072-20251016**	**SOIL**			**10/16/25 13:25**			**10/16/25**
			Hexavalent Chromium	7196A		10/21/25	10/21/25 15:57	
			TOC	Lloyd Kahn			10/21/25 11:55	
Q3376-05	**PR132-S12-020047-20251016**	**SOIL**			**10/16/25 13:15**			**10/16/25**
			Hexavalent Chromium	7196A		10/21/25	10/21/25 15:57	

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LAB CHRONICLE

			TOC	Lloyd Kahn		10/21/25 12:11	
Q3376-07	**PR132-FB01-20251016**	**WATER**			**10/16/25 13:55**		**10/16/25**
			Hexavalent Chromium	7196A		10/17/25 12:47	

SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25 10:35
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-057082-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-01	Matrix:	SOIL
		% Solid:	53.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.73	U	1	0.13	0.73	mg/Kg	10/21/25 12:00	10/21/25 15:54	7196A
TOC	38400	OR	1	43.4	250	mg/Kg		10/21/25 10:45	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25 10:50
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP01-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-02	Matrix:	SOIL
		% Solid:	53.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.74	U	1	0.13	0.74	mg/Kg	10/21/25 12:00	10/21/25 15:55	7196A
TOC	38200	OR	1	43.4	250	mg/Kg		10/21/25 11:08	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25 12:50
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-COMP2-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-03	Matrix:	SOIL
		% Solid:	52.7

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	10/21/25 12:00	10/21/25 15:55	7196A
TOC	34300	OR	1	43.4	250	mg/Kg		10/21/25 11:34	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25 13:25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-047072-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-04	Matrix:	SOIL
		% Solid:	51.3

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	10/21/25 12:00	10/21/25 15:57	7196A
TOC	31100	OR	1	43.4	250	mg/Kg		10/21/25 11:55	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25 13:15
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-020047-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-05	Matrix:	SOIL
		% Solid:	66.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.59	U	1	0.10	0.59	mg/Kg	10/21/25 12:00	10/21/25 15:57	7196A
TOC	23900	OR	1	43.4	250	mg/Kg		10/21/25 12:11	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25 13:55
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-FB01-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-07	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Dissolved Hexavalent Chromium	0.010	U	1	0.0030	0.010	mg/L		10/17/25 12:47	7196A

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

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

Initial and Continuing Calibration Verification

Client:	AECOM	**SDG No.:**	Q3376
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**RunNo.:**	LB137578

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.504	0.5	101	90-110	10/17/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	10/17/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.501	0.5	100	90-110	10/17/2025

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Initial and Continuing Calibration Verification

Client:	AECOM	**SDG No.:**	Q3376
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.:**	Q3376
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**RunNo.:**	LB137601

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.495	0.5	99	90-110	10/21/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.496	0.5	99	90-110	10/21/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.491	0.5	98	90-110	10/21/2025
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.496	0.5	99	90-110	10/21/2025
Sample ID: CCV4						
Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	10/21/2025

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Initial and Continuing Calibration Blank Summary

Client: AECOM **SDG No.:** Q3376

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 **RunNo.:** LB137578

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	10/17/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/17/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/17/2025

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Initial and Continuing Calibration Blank Summary

Client:	AECOM	**SDG No.:**	Q3376
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.:**	Q3376
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**RunNo.:**	LB137601

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/21/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/21/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/21/2025
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/21/2025
Sample ID: CCB4							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/21/2025

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Preparation Blank Summary

Client: AECOM **SDG No.:** Q3376

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: **lb137578BL**							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.003	0.01	10/17/2025
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: **PB170189BL**							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	10/21/2025

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Matrix Spike Summary

Client: Core Environmental Consultants and Services, Inc. **SDG No.:** Q3346

Project: NYPA-Zeltmann Power plant-HSRG 7B **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: Core Environmental Consultants and Services, Inc. **SDG No.:** Q3346

Project: NYPA-Zeltmann Power plant-HSRG 7B **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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Matrix Spike Summary

Client: Core Environmental Consultants and Services, Inc. **SDG No.:** Q3346

Project: NYPA-Zeltmann Power plant-HSRG 7B **Sample ID:** Q3403-01

Client ID: MH-18MS **Percent Solids for Spike Sample:** 91.1

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	1360		0.076	U	1410	40	96		10/21/2025

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Matrix Spike Summary

Client: Core Environmental Consultants and Services, Inc. **SDG No.:** Q3346

Project: NYPA-Zeltmann Power plant-HSRG 7B **Sample ID:** Q3403-01

Client ID: MH-18MS **Percent Solids for Spike Sample:** 91.1

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	40.4		0.076	U	43.9	2	92		10/21/2025

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Matrix Spike Summary

Client: Core Environmental Consultants and Services, Inc. **SDG No.:** Q3346

Project: NYPA-Zeltmann Power plant-HSRG 7B **Sample ID:** Q3403-01

Client ID: MH-18MS **Percent Solids for Spike Sample:** 91.1

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	38.1		0.076	U	43.9	2	87		10/21/2025

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Duplicate Sample Summary

Client: Core Environmental Consultants and Services, Inc.
SDG No.: Q3346
Project: NYPA-Zeltmann Power plant-HSRG 7B
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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Duplicate Sample Summary

Client: Core Environmental Consultants and Services, Inc.
SDG No.: Q3346
Project: NYPA-Zeltmann Power plant-HSRG 7B
Sample ID: Q3403-01
Client ID: MH-18DUP
Percent Solids for Spike Sample: 91.1

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.076	U	0.076	U	1	0		10/21/2025

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Laboratory Control Sample Summary

Client:	AECOM	**SDG No.:**	Q3376
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**Run No.:**	LB137578

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID lb137578BS								
Hexavalent Chromium	mg/L	0.5	0.51		102	1	90-111	10/17/2025

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Laboratory Control Sample Summary

Client:	AECOM	**SDG No.:**	Q3376
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.:**	Q3376
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.:**	Q3376
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**Run No.:**	LB137601

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB170189BS								
Hexavalent Chromium	mg/Kg	20	19.8		99	1	84-110	10/21/2025

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO.
QUOTE NO. Q3376
COC Number 2045167Q3376 12 12.1

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 Island
PROJECT MANAGER: Rob Forstner
e-mail: robert.forstner@aecom.com
PHONE: 212-377-8721 FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#:
ADDRESS: 605 3rd Ave
CITY New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner PHONE: 212-377-8721

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☒ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1: SVOCs 2: Pesticides-TCL 3: Mercury-Metals 4: PCBs/Hexachrome 5: Dioxin 6: Grain Size 7: TOC 8: VOCs 9:

PRESERVATIVES

COMMENTS

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

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	Methanol 8	9
1.	PR132-SO5-057082-20251016	S		X	10/16	1035	11	X	X	X	X	X	X	X	X	
2.	PR132-DP01-20251016	S		X	10/16	1050	11	X	X	X	X	X	X	X	X	
3.	PR132-COMP2-20251016	S	X		10/16	1250	11	X	X	X	X	X	X	X	X	
4.	PR132-SI2-047072-20251016	S		X	10/16	1325	11	X	X	X	X	X	X	X	X	
5.	PR132-SI2-020047-20251016	S		X	10/16	1315	11	X	X	X	X	X	X	X	X	
6.	PR132-FB01-20251016	A			10/16	1355	1	X	X	X	X	X			X	
7.	Temp Blank	A													X	
8.																
9.																
10.																

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Jim Aldersen	10/16/25 1650	1. 1650 10-16-25
2.	DATE/TIME:	2.
3.	DATE/TIME: 10-16-25 1805	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3376 AECO02
Client Name : AECOM
Client Contact : Rob Forstner
Invoice Name : AECOM
Invoice Contact : Rob Forstner

Order Date : 10/17/2025 10:34:00 AM
Project Name : AE1-CTY 3.2.Z-PR-DOCK
Receive DateTime : 10/16/2025 6:15:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff : 10/17/2025 1:53:32 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3376-01	PR132-S05-057082-20251016	Solid	10/16/2025	10:35					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3376-02	PR132-DP01-20251016	Solid	10/16/2025	10:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3376-03	PR132-COMP2-20251016	Solid	10/16/2025	12:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3376-04	PR132-S12-047072-20251016	Solid	10/16/2025	13:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3376-05	PR132-S12-020047-20251016	Solid	10/16/2025	13:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3376-07	PR132-FB01-20251016	Water	10/16/2025	13:55					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q3376 AECO02	**Order Date :**	10/17/2025 10:34:00 AM	**Project Mgr :**	Yazmeen
Client Name :	AECOM	**Project Name :**	AE1-CTY 3.2.Z-PR-DOCK	**Report Type :**	NYS ASP A
Client Contact :	Rob Forstner	**Receive DateTime :**	10/17/2025 6:15:00 PM	**EDD Type :**	EQUIS
Invoice Name :	AECOM	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Rob Forstner			**Date Signoff :**	10/17/2025 1:53:32 PM

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

Relinguished By : _____
Date / Time : 10/17/25 14:10

Received By : _____
Date / Time : 10/17/25 14:10

Storage Area : VOA Refridgerator Room

Rg #6
Rg #2
Rg #5