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

DATA PACKAGE

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

PROJECT NAME : NYCDEP C547A - SHAFTS 17B-1 & 18B-1 STAGE 2

WALSH CONSTRUCTION COMPANY II, LLC

150 Clove Road 11th Fl

Little Falls, NJ - 07424

Phone No: 2016916000

ORDER ID : P4722

ATTENTION : Kayla Timony

Laboratory Certification ID # 20012

Alliance TECHNICAL GROUP

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Cover Page

Order ID : P4722

Project ID : NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2

Client : Walsh Construction Company II, LLC

Lab Sample Number	Client Sample Number
P4722-01	WC-1(5.5)
P4722-02	WC-1(3.5)
P4722-03	WC-1(0-6)
P4722-04	WC-1(0-6)
P4722-05	WC-1(0-6)
P4722-06	WC-2(2)
P4722-07	WC-2(4)
P4722-08	WC-2(0-6)
P4722-09	WC-2(0-6)
P4722-10	WC-2(0-6)
P4722-11	WC-3(5)
P4722-12	WC-3(3)
P4722-13	WC-3(0-6)
P4722-14	WC-3(0-6)
P4722-15	WC-3(0-6)
P4722-16	WC-1(5.5)
P4722-17	WC-1(3.5)
P4722-18	WC-2(2)
P4722-19	WC-2(4)
P4722-20	WC-3(5)
P4722-21	WC-3(3)

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: 11/26/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Walsh Construction Company II, LLC
Project Name: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Project # N/A
Chemtech Project # P4722
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 11/05/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, EPH_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SPLP BNA, SPLP Extraction, SPLP Herbicide, SPLP ICP Metals, SPLP Mercury, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA - 20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, Trivalent Chromium, TS, TVS and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624Sil MS, which is 30 meters, 0.25 mm id, 1.4 um df, Restek Cat. #13868. The Trap was supplied by Supelco, VOCARB 3000, ATOMAX XYZ Concentrator.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 met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration File ID VY020221.D met the requirements except for Acetone and Styrene are failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

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E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
Trip Blank was not provided with this set of samples.
The soil samples results are based on a dry weight basis.

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

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

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

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CASE NARRATIVE

Walsh Construction Company II, LLC
Project Name: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Project # N/A
Chemtech Project # P4722
Test Name: TCLP VOA

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 11/05/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, EPH_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SPLP BNA, SPLP Extraction, SPLP Herbicide, SPLP ICP Metals, SPLP Mercury, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA - 20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, Trivalent Chromium, TS, TVS and VOC-TCLVOA-10. This data package contains results for TCLP VOA.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.The analysis of TCLP VOA was based on method 8260D and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
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.

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Trip Blank was not provided with this set of samples.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

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

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CASE NARRATIVE

Walsh Construction Company II, LLC
Project Name: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Project # N/A
Chemtech Project # P4722
Test Name: SPLP VOA

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 11/05/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, EPH_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SPLP BNA, SPLP Extraction, SPLP Herbicide, SPLP ICP Metals, SPLP Mercury, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA - 20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, Trivalent Chromium, TS, TVS and VOC-TCLVOA-10. This data package contains results for SPLP VOA.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.The analysis of SPLP VOA was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .

The Blank Spike Duplicate for {VN1113WBSD01} with File ID: VN084823.D met requirements for all samples except for Dibromochloromethane[115%], o-Xylene[110%] are failing high but no positive hit in associate sample therefore no corrective action taken.

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

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The %RSD is greater than 20% in the Initial Calibration method (82N103024W.M) for Methyl Acetate, Acetone, Chloroethane, Chloromethane these compounds are passing on Linear Regression while, 1,4-Dichlorobenzene this compound is passing on Quadratic Regression.

The Continuous Calibration met the requirements .
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.
Trip Blank was not provided with this set of samples.

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

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

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

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CASE NARRATIVE

Walsh Construction Company II, LLC
Project Name: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Project # N/A
Chemtech Project # P4722
Test Name: Gasoline Range Organics

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 11/05/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, EPH_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SPLP BNA, SPLP Extraction, SPLP Herbicide, SPLP ICP Metals, SPLP Mercury, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA - 20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, Trivalent Chromium, TS, TVS and VOC-TCLVOA-10. This data package contains results for Gasoline Range Organics.

C. Analytical Techniques:
The analysis performed on instrument FID_B were done using GC column RTX502.2 which is 60 meters, 0.53mm ID, 3.0 um df, cat#10909.The analysis of Gasoline Range Organics was based on method 8015D.

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

Samples WC-1(0-6), WC-3(0-6) were directly run in methanol as both low level soil vials did not purge.

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

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CASE NARRATIVE

Walsh Construction Company II, LLC
Project Name: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Project # N/A
Chemtech Project # P4722
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 11/05/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, EPH_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SPLP BNA, SPLP Extraction, SPLP Herbicide, SPLP ICP Metals, SPLP Mercury, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, Trivalent Chromium, TS, TVS and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

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

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for PB164750BL [2-Fluorophenol - 113%] is marginally biased high therefore no corrective action taken.

The Internal Standards Areas met the acceptable requirements except for WC-1(0-6), WC-2(0-6) and WC-3(0-6) due to viscous matrix therefore no corrective action taken.
The Retention Times were acceptable for all samples.

The MS {P4737-01MS} with File ID: BF140300.D recoveries met the requirements for all compounds except for 2-Chlorophenol[109%], Atrazine[145%] due to matrix interference.

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The MSD {P4737-01MSD} with File ID: BF140301.D recoveries met the acceptable requirements except for 2,4,6-Trichlorophenol[118%], 2-Chlorophenol[109%], 3+4-Methylphenols[109%], Atrazine[145%] and Benzo(b)fluoranthene[127%] due to matrix interference.

The RPD met criteria .
The Blank Spike for {PB164750BS} with File ID: BF140288.D met requirements for all samples except for Hexachlorocyclopentadiene[167%] are failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.
The % RSD is greater than 20% in the Initial Calibration (8270-BF110524.M) for 2,4-Dinitrophenol, this compound is passing on Linear Regression.

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

Samples WC-1(0-6), WC-3(0-6) was diluted due to dirty and viscous matrix
Sample WC-2(0-6) was diluted due to high concentration.

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

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

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

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CASE NARRATIVE

Walsh Construction Company II, LLC
Project Name: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Project # N/A
Chemtech Project # P4722
Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 11/05/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, EPH_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SPLP BNA, SPLP Extraction, SPLP Herbicide, SPLP ICP Metals, SPLP Mercury, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA - 20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, Trivalent Chromium, TS, TVS and VOC-TCLVOA-10. This data package contains results for TCLP BNA.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_E using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe analysis of TCLP BNA was based on method 8270E and extraction was done based on method 3510 and TCLP extraction method was 1311.

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

The MS {P4739-04MS} with File ID: BE101557.D recoveries met the requirements for all compounds except for 2,4,5-Trichlorophenol[116%] and 2,4,6-Trichlorophenol[118%] due to matrix interference.

The MSD {P4739-04MSD} with File ID: BE101558.D recoveries met the acceptable requirements except for 2,4,5-Trichlorophenol[116%] and 2,4,6-Trichlorophenol[118%] due to matrix interference.

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The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

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

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

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

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

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CASE NARRATIVE

Walsh Construction Company II, LLC
Project Name: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Project # N/A
Chemtech Project # P4722
Test Name: SPLP BNA

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 11/05/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, EPH_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SPLP BNA, SPLP Extraction, SPLP Herbicide, SPLP ICP Metals, SPLP Mercury, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA - 20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TKN, Trivalent Chromium, TS, TVS and VOC-TCLVOA-10. This data package contains results for SPLP BNA.

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

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

The MS {P4722-15MS} with File ID: BE101581.D recoveries met the requirements for all compounds except for 1,2,4,5-Tetrachlorobenzene[79%], 1,4-Dioxane[36%] and Hexachloroethane[48%] due to matrix interference.

The MSD {P4722-15MSD} with File ID: BE101582.D recoveries met the acceptable requirements except for 1,2,4,5-Tetrachlorobenzene[80%] and 1,4-Dioxane[35%] due to matrix interference.

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The RPD met criteria .

The Blank Spike for {PB164886BS} with File ID: BF140394.D met requirements for all samples except for Atrazine[70%], Benzaldehyde [0%] both were poor recovery compounds therefore no corrective action taken, while Hexachlorocyclopentadiene [170%] is failing high but no positive hit in associate sample therefore no corrective action taken.

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

The % RSD is greater than 20% in the Initial Calibration (8270-BF112124.M) for Hexachlorocyclopentadiene, 2,4-Dinitrophenol, this compound is passing on Linear Regression .

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

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

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

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

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

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CASE NARRATIVE

Walsh Construction Company II, LLC
Project Name: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Project # N/A
Chemtech Project # P4722
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 11/05/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, EPH_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SPLP BNA, SPLP Extraction, SPLP Herbicide, SPLP ICP Metals, SPLP Mercury, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA - 20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, Trivalent Chromium, TS, TVS and VOC-TCLVOA-10. This data package contains results for Pesticide-TCL.

C. Analytical Techniques:
The analysis was performed on instrument ECD_L. The front column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11 The rear column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. .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 met the acceptable criteria.
The Retention Times were acceptable for all samples.

The MS recoveries for {P4720-01MS} with File ID: PL092900.D met requirements for all samples except for delta-BHC[25%] due to matrix interference.

The MSD {P4720-01MSD} with File ID: PL092901.D recoveries met requirements for all samples except for delta-BHC[25%]due to matrix interference.

The RPD met criteria .
The Blank Spike met requirements for all samples .

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The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

Samples WC-1(0-6), WC-3(0-6) were Dark brownish in matrix, therefore as precautionary measure these samples analyzed with straight 10X dilution, Due to sample nature, it was not possible to run these samples undiluted.

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.

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CASE NARRATIVE

Walsh Construction Company II, LLC
Project Name: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Project # N/A
Chemtech Project # P4722
Test Name: TCLP Pesticide

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 11/05/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, EPH_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SPLP BNA, SPLP Extraction, SPLP Herbicide, SPLP ICP Metals, SPLP Mercury, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA - 20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, Trivalent Chromium, TS, TVS and VOC-TCLVOA-10. This data package contains results for TCLP Pesticide.

C. Analytical Techniques:
The analysis was performed on instrument ECD_L. The front column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11 The rear column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. .The analysis of TCLP Pesticides was based on method 8081B and extraction was done based on method 3510 and TCLP extraction method was 1311.

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

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E. Additional Comments:

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

Walsh Construction Company II, LLC
Project Name: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Project # N/A
Chemtech Project # P4722
Test Name: SPLP Pesticide

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 11/05/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, EPH_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SPLP BNA, SPLP Extraction, SPLP Herbicide, SPLP ICP Metals, SPLP Mercury, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA - 20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, Trivalent Chromium, TS, TVS and VOC-TCLVOA-10. This data package contains results for SPLP Pesticide.

C. Analytical Techniques:
The analysis was performed on instrument ECD_L. The front column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11 The rear column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. .The analysis of SPLP Pesticides 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 met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

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E. Additional Comments:

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

Walsh Construction Company II, LLC
Project Name: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Project # N/A
Chemtech Project # P4722
Test Name: PCB

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 11/05/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, EPH_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SPLP BNA, SPLP Extraction, SPLP Herbicide, SPLP ICP Metals, SPLP Mercury, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA - 20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, Trivalent Chromium, TS, TVS and VOC-TCLVOA-10. This data package contains results for PCB.

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

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

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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.

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CASE NARRATIVE

Walsh Construction Company II, LLC
Project Name: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Project # N/A
Chemtech Project # P4722
Test Name: Herbicide

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 11/05/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, EPH_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SPLP BNA, SPLP Extraction, SPLP Herbicide, SPLP ICP Metals, SPLP Mercury, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA - 20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, Trivalent Chromium, TS, TVS and VOC-TCLVOA-10. This data package contains results for Herbicide.

C. Analytical Techniques:
The analysis was performed on instrument ECD_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 11324The analysis of Herbicides was based on method 8151A and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.

The MS {P4739-01MS} with File ID: PS028373.D recoveries met the requirements for all compounds except for Dinoseb[8%] due to matrix interference.

The MSD {P4739-01MSD} with File ID: PS028374.D recoveries met the acceptable requirements except for Dinoseb[8%]due to matrix interference.

The RPD met criteria .
The Blank Spike met requirements for all samples .

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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.

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CASE NARRATIVE

Walsh Construction Company II, LLC
Project Name: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Project # N/A
Chemtech Project # P4722
Test Name: TCLP Herbicide

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 11/05/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, EPH_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SPLP BNA, SPLP Extraction, SPLP Herbicide, SPLP ICP Metals, SPLP Mercury, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA - 20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, Trivalent Chromium, TS, TVS and VOC-TCLVOA-10. This data package contains results for TCLP Herbicide.

C. Analytical Techniques:
The analysis was performed on instrument ECD_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 11324The analysis of TCLP Herbicides was based on method 8151A and extraction was done based on method 3510 and TCLP extraction method was 1311.

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

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E. Additional Comments:

F. Manual Integration Comments:
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CASE NARRATIVE

Walsh Construction Company II, LLC
Project Name: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Project # N/A
Chemtech Project # P4722
Test Name: SPLP Herbicide

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 11/05/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, EPH_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SPLP BNA, SPLP Extraction, SPLP Herbicide, SPLP ICP Metals, SPLP Mercury, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA - 20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, Trivalent Chromium, TS, TVS and VOC-TCLVOA-10. This data package contains results for SPLP Herbicide.

C. Analytical Techniques:
The analysis was performed on instrument ECD_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 11324The analysis of SPLP Herbicides was based on method 8151A and extraction was done based on method 3541.

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

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E. Additional Comments:

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

Walsh Construction Company II, LLC
Project Name: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Project # N/A
Chemtech Project # P4722
Test Name: EPH_NF

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 11/05/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, EPH_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SPLP BNA, SPLP Extraction, SPLP Herbicide, SPLP ICP Metals, SPLP Mercury, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA - 20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, Trivalent Chromium, TS, TVS and VOC-TCLVOA-10. This data package contains results for EPH_NF.

C. Analytical Techniques:
The analysis were performed on instrument FID_C. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analysis were performed on instrument FID_E. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analysis of EPH_NFs was based on method NJEPH and extraction was done based on method 3541.

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

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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.

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CASE NARRATIVE

Walsh Construction Company II, LLC
Project Name: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Project # N/A
Chemtech Project # P4722
Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 11/05/2024.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, EPH_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SPLP BNA, SPLP Extraction, SPLP Herbicide, SPLP ICP Metals, SPLP Mercury, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA - 20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, Trivalent Chromium, TS, TVS and VOC-TCLVOA-10. This data package contains results for Metals ICP-TAL,Mercury.

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

D. QA/ QC Samples:
The Holding Times were met for all analysis.
Sample WC-1(0-6) was diluted due to high concentrations for Iron.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (JC-701-COMP-01MS) analysis met criteria for all samples except for Beryllium, Chromium, Copper, Potassium, Selenium, Vanadium due to matrix interferences.
The Matrix Spike Duplicate (JC-701-COMP-01MSD) analysis met criteria for all samples except for Beryllium, Chromium, Potassium, Selenium, Silver, Vanadium due to matrix interferences.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution (JC-701-COMP-01L) met criteria for all samples except for Aluminum, Barium, Calcium, Iron, Manganese, Zinc Due to due to due to matrix interferences.

E. Additional Comments:

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CASE NARRATIVE

Walsh Construction Company II, LLC
Project Name: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Project # N/A
Chemtech Project # P4722
Test Name: TCLP Mercury,TCLP ICP Metals,SPLP Mercury,SPLP ICP Metals

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 11/05/2024.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, EPH_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SPLP BNA, SPLP Extraction, SPLP Herbicide, SPLP ICP Metals, SPLP Mercury, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA - 20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TKN, Trivalent Chromium, TS, TVS and VOC-TCLVOA-10. This data package contains results for TCLP Mercury,TCLP ICP Metals,SPLP Mercury,SPLP ICP Metals.

C. Analytical Techniques:
The analysis of TCLP ICP Metals,SPLP ICP Metals was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of TCLP Mercury,SPLP Mercury was based on method 7470A and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples except for Barium due to sample matrix interference.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:

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CASE NARRATIVE

Walsh Construction Company II, LLC
Project Name: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Project # N/A
Chemtech Project # P4722
Test Name: Hexavalent Chromium,TS,Oil and Grease,Corrosivity,Paint Filter,Cyanide,TVS,Ammonia,COD,Trivalent Chromium,Ignitability,Reactive Cyanide,Reactive Sulfide

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 11/05/2024.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, EPH_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SPLP BNA, SPLP Extraction, SPLP Herbicide, SPLP ICP Metals, SPLP Mercury, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA - 20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, Trivalent Chromium, TS, TVS and VOC-TCLVOA-10. This data package contains results for Hexavalent Chromium,TS,Oil and Grease,Corrosivity,Paint Filter,Cyanide,TVS,Ammonia,COD,Trivalent Chromium,Ignitability,Reactive Cyanide,Reactive Sulfide.

C. Analytical Techniques:
The analysis of Ignitability was based on method 1030, The analysis of TVS was based on method 160.4, The analysis of Trivalent Chromium was based on method 6010D, The analysis of Hexavalent Chromium was based on method 7196A, The analysis of Cyanide,Reactive Cyanide was based on method 9012B, The analysis of Reactive Sulfide was based on method 9034, The analysis of Corrosivity was based on method 9045D, The analysis of Oil and Grease was based on method 9071B, The analysis of Paint Filter was based on method 9095B, The analysis of TS was based on method SM2540 B, The analysis of Ammonia was based on method SM4500-NH3 and The analysis of COD was based on method SM5220 D.

D. QA/ QC Samples:
The Holding Times were met for all samples except for WC-1(0-6) of Corrosivity & for WC-2(0-6) of Corrosivity & for WC-3(0-6) of Corrosivity due to sample receive out of hold.

The Blank Spike met requirements for all samples.

The Duplicate (WC-3(0-6)DUP) analysis met criteria for all samples except for Ammonia as N & The Duplicate (WC-3(0-6)DUP) analysis met criteria for all samples except for Reactive Cyanide Due to the results are below RL.
The Matrix Spike (WC-3(0-6)MS) analysis met criteria for all samples except for Oil and Grease due to matrix interferences.
The Matrix Spike Duplicate (WC-3(0-6)MSD) analysis met criteria for all samples except for Oil and Grease due to matrix interferences.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:
For COD, sample P4722-03 reported with straight 5X dilution due to the original sample was reading over range, only 5X has been reported.

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

Signature_____

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 #: P4722

	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:** 11/26/2024

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LAB CHRONICLE

OrderID:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-01	**WC-1(5.5)**	**SOIL**			**11/05/24**			**11/05/24**
			VOC-TCLVOA-10	8260D			11/08/24	
P4722-02	**WC-1(3.5)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP VOA	8260D			11/08/24	
P4722-05	**WC-1(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP VOA	8260D			11/13/24	
P4722-06	**WC-2(2)**	**SOIL**			**11/05/24**			**11/05/24**
			VOC-TCLVOA-10	8260D			11/07/24	
P4722-07	**WC-2(4)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP VOA	8260D			11/11/24	
P4722-10	**WC-2(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP VOA	8260D			11/13/24	
P4722-11	**WC-3(5)**	**SOIL**			**11/05/24**			**11/05/24**
			VOC-TCLVOA-10	8260D			11/07/24	
P4722-12	**WC-3(3)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP VOA	8260D			11/11/24	
P4722-15	**WC-3(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP VOA	8260D			11/13/24	
P4722-16	**WC-1(5.5)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP VOA	8260D			11/11/24	
P4722-17	**WC-1(3.5)**	**SOIL**			**11/05/24**			**11/05/24**
			VOC-TCLVOA-10	8260D			11/07/24	
P4722-18	**WC-2(2)**	**TCLP**			**11/05/24**			**11/05/24**

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LAB CHRONICLE

			TCLP VOA	8260D		11/11/24	
P4722-19	**WC-2(4)**	**SOIL**			**11/05/24**		**11/05/24**
			VOC-TCLVOA-10	8260D		11/07/24	
P4722-20	**WC-3(5)**	**TCLP**			**11/05/24**		**11/05/24**
			TCLP VOA	8260D		11/11/24	
P4722-21	**WC-3(3)**	**SOIL**			**11/05/24**		**11/05/24**
			VOC-TCLVOA-10	8260D		11/07/24	

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Hit Summary Sheet
SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**WC-1(5.5)**								
P4722-01	WC-1(5.5)	SOIL	Acetone		15.8		3.40	13.6	ug/Kg
P4722-01	WC-1(5.5)	SOIL	Methylene Chloride		2.00	J	1.90	5.40	ug/Kg
P4722-01	WC-1(5.5)	SOIL	2-Butanone		5.30	J	3.10	13.6	ug/Kg
P4722-01	WC-1(5.5)	SOIL	Chloroform		0.69	J	0.36	2.70	ug/Kg
P4722-01	WC-1(5.5)	SOIL	Tetrachloroethene		1.30	J	0.48	2.70	ug/Kg
			Total Voc :		25.1				
P4722-01	WC-1(5.5)	SOIL	unknown12.731	*	3.20	J	0	0	ug/Kg
P4722-01	WC-1(5.5)	SOIL	unknown13.664	*	2.90	J	0	0	ug/Kg
P4722-01	WC-1(5.5)	SOIL	Butane	*	4.20	J	0	0	ug/Kg
P4722-01	WC-1(5.5)	SOIL	cis-3-Decene	*	4.20	J	0	0	ug/Kg
			Total Tics :		14.5				
			Total Concentration:		39.6				
Client ID:	**WC-2(2)**								
P4722-06	WC-2(2)	SOIL	Bicyclo[3.1.0]hexane, 4-methyl	*	4.00	J	0	0	ug/Kg
			Total Tics :		4.00				
			Total Concentration:		4.00				
Client ID:	**WC-3(5)**								
P4722-11	WC-3(5)	SOIL	Acetone		120		5.20	20.9	ug/Kg
P4722-11	WC-3(5)	SOIL	Carbon Disulfide		1.70	J	1.10	4.20	ug/Kg
P4722-11	WC-3(5)	SOIL	2-Butanone		34.1		4.70	20.9	ug/Kg
			Total Voc :		156				
P4722-11	WC-3(5)	SOIL	unknown14.066	*	55.1	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	unknown14.651	*	110	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	unknown15.255	*	160	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	unknown15.511	*	91.3	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	Naphthalene, decahydro-	*	120	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	1-Methyldecahydronaphthalene	*	190	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	Naphthalene, decahydro-2-methl	*	170	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	Cyclohexane, 2-butyl-1,1,3-trin	*	64.0	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	Cyclohexane, 2,4-diethyl-1-met	*	70.6	J	0	0	ug/Kg
P4722-11	WC-3(5)	SOIL	trans, cis-3-Ethylbicyclo[4.4.0]	*	58.2	J	0	0	ug/Kg
			Total Tics :		1090				
			Total Concentration:		1250				
Client ID:	**WC-1(3.5)**								
P4722-17	WC-1(3.5)	SOIL	Naphthalene	*	0.95	J	0.79	2.70	ug/Kg
			Total Tics :		0.95				
			Total Concentration:		0.95				
Client ID:	**WC-3(3)**								

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Hit Summary Sheet
SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4722-21	WC-3(3)	SOIL	Tetrachloroethene	1.00	J	0.42	2.40	ug/Kg
			Total Voc :	1.00				
			Total Concentration:	1.00				

SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(5.5)	SDG No.:	P4722
Lab Sample ID:	P4722-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.4
Sample Wt/Vol:	10.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020230.D	1		11/08/24 14:02	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.90	U	0.90	2.70	ug/Kg
74-87-3	Chloromethane	0.63	U	0.63	2.70	ug/Kg
75-01-4	Vinyl Chloride	0.42	U	0.42	2.70	ug/Kg
74-83-9	Bromomethane	0.56	U	0.56	2.70	ug/Kg
75-00-3	Chloroethane	0.55	U	0.55	2.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.50	U	0.50	2.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.58	U	0.58	2.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.42	U	0.42	2.70	ug/Kg
67-64-1	Acetone	15.8		3.40	13.6	ug/Kg
75-15-0	Carbon Disulfide	0.70	U	0.70	2.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.36	U	0.36	2.70	ug/Kg
79-20-9	Methyl Acetate	0.98	U	0.98	2.70	ug/Kg
75-09-2	Methylene Chloride	2.00	J	1.90	5.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.46	U	0.46	2.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.34	U	0.34	2.70	ug/Kg
110-82-7	Cyclohexane	0.38	U	0.38	2.70	ug/Kg
78-93-3	2-Butanone	5.30	J	3.10	13.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.47	U	0.47	2.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.33	U	0.33	2.70	ug/Kg
74-97-5	Bromochloromethane	1.30	U	1.30	2.70	ug/Kg
67-66-3	Chloroform	0.69	J	0.36	2.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.42	U	0.42	2.70	ug/Kg
108-87-2	Methylcyclohexane	0.47	U	0.47	2.70	ug/Kg
71-43-2	Benzene	0.39	U	0.39	2.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.33	U	0.33	2.70	ug/Kg
79-01-6	Trichloroethene	0.41	U	0.41	2.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.36	U	0.36	2.70	ug/Kg
75-27-4	Bromodichloromethane	0.30	U	0.30	2.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.40	U	2.40	13.6	ug/Kg
108-88-3	Toluene	0.36	U	0.36	2.70	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(5.5)	SDG No.:	P4722
Lab Sample ID:	P4722-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.4
Sample Wt/Vol:	10.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020230.D	1		11/08/24 14:02	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.33	U	0.33	2.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.31	U	0.31	2.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.46	U	0.46	2.70	ug/Kg
591-78-6	2-Hexanone	2.60	U	2.60	13.6	ug/Kg
124-48-1	Dibromochloromethane	0.35	U	0.35	2.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.43	U	0.43	2.70	ug/Kg
127-18-4	Tetrachloroethene	1.30	J	0.48	2.70	ug/Kg
108-90-7	Chlorobenzene	0.40	U	0.40	2.70	ug/Kg
100-41-4	Ethyl Benzene	0.34	U	0.34	2.70	ug/Kg
179601-23-1	m/p-Xylenes	0.73	U	0.73	5.40	ug/Kg
95-47-6	o-Xylene	0.38	U	0.38	2.70	ug/Kg
100-42-5	Styrene	0.33	U	0.33	2.70	ug/Kg
75-25-2	Bromoform	0.44	U	0.44	2.70	ug/Kg
98-82-8	Isopropylbenzene	0.36	U	0.36	2.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	0.60	2.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.40	U	0.40	2.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.44	U	0.44	2.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.32	U	0.32	2.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.85	U	0.85	2.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.43	U	0.43	2.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.42	U	0.42	2.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.1		50 - 163	122%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	48.9		58 - 134	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.7		29 - 146	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	210000	7.707			
540-36-3	1,4-Difluorobenzene	445000	8.616			
3114-55-4	Chlorobenzene-d5	398000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(5.5)	SDG No.:	P4722
Lab Sample ID:	P4722-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.4
Sample Wt/Vol:	10.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020230.D	1		11/08/24 14:02	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000106-97-8	Butane	4.20	J		2.20	ug/Kg
019398-86-8	cis-3-Decene	4.20	J		12.6	ug/Kg
	unknown12.731	3.20	J		12.7	ug/Kg
	unknown13.664	2.90	J		13.7	ug/Kg

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

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

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(2)	SDG No.:	P4722
Lab Sample ID:	P4722-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.8
Sample Wt/Vol:	11.43 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020207.D	1		11/07/24 15:20	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.80	U	0.80	2.40	ug/Kg
74-87-3	Chloromethane	0.57	U	0.57	2.40	ug/Kg
75-01-4	Vinyl Chloride	0.38	U	0.38	2.40	ug/Kg
74-83-9	Bromomethane	0.50	U	0.50	2.40	ug/Kg
75-00-3	Chloroethane	0.49	U	0.49	2.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.44	U	0.44	2.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.52	U	0.52	2.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.38	U	0.38	2.40	ug/Kg
67-64-1	Acetone	3.00	U	3.00	12.2	ug/Kg
75-15-0	Carbon Disulfide	0.62	U	0.62	2.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.33	U	0.33	2.40	ug/Kg
79-20-9	Methyl Acetate	0.88	U	0.88	2.40	ug/Kg
75-09-2	Methylene Chloride	1.70	U	1.70	4.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.41	U	0.41	2.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.31	U	0.31	2.40	ug/Kg
110-82-7	Cyclohexane	0.34	U	0.34	2.40	ug/Kg
78-93-3	2-Butanone	2.80	U	2.80	12.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.42	U	0.42	2.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.30	U	0.30	2.40	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	2.40	ug/Kg
67-66-3	Chloroform	0.33	U	0.33	2.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.38	U	0.38	2.40	ug/Kg
108-87-2	Methylcyclohexane	0.42	U	0.42	2.40	ug/Kg
71-43-2	Benzene	0.35	U	0.35	2.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.30	U	0.30	2.40	ug/Kg
79-01-6	Trichloroethene	0.37	U	0.37	2.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.32	U	0.32	2.40	ug/Kg
75-27-4	Bromodichloromethane	0.27	U	0.27	2.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.10	U	2.10	12.2	ug/Kg
108-88-3	Toluene	0.33	U	0.33	2.40	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(2)	SDG No.:	P4722
Lab Sample ID:	P4722-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.8
Sample Wt/Vol:	11.43 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020207.D	1		11/07/24 15:20	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.29	U	0.29	2.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.28	U	0.28	2.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.41	U	0.41	2.40	ug/Kg
591-78-6	2-Hexanone	2.30	U	2.30	12.2	ug/Kg
124-48-1	Dibromochloromethane	0.32	U	0.32	2.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.38	U	0.38	2.40	ug/Kg
127-18-4	Tetrachloroethene	0.43	U	0.43	2.40	ug/Kg
108-90-7	Chlorobenzene	0.36	U	0.36	2.40	ug/Kg
100-41-4	Ethyl Benzene	0.30	U	0.30	2.40	ug/Kg
179601-23-1	m/p-Xylenes	0.66	U	0.66	4.90	ug/Kg
95-47-6	o-Xylene	0.34	U	0.34	2.40	ug/Kg
100-42-5	Styrene	0.29	U	0.29	2.40	ug/Kg
75-25-2	Bromoform	0.39	U	0.39	2.40	ug/Kg
98-82-8	Isopropylbenzene	0.33	U	0.33	2.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.54	U	0.54	2.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.36	U	0.36	2.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.39	U	0.39	2.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.29	U	0.29	2.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.76	U	0.76	2.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.38	U	0.38	2.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.38	U	0.38	2.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.8		50 - 163	124%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	49.5		58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		29 - 146	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	199000	7.713			
540-36-3	1,4-Difluorobenzene	428000	8.616			
3114-55-4	Chlorobenzene-d5	407000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	154000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(2)	SDG No.:	P4722
Lab Sample ID:	P4722-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.8
Sample Wt/Vol:	11.43 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020207.D	1		11/07/24 15:20	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
003387-41-5	Bicyclo[3.1.0]hexane, 4-methylene-	4.00	J		12.7	ug/Kg

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(5)	SDG No.:	P4722
Lab Sample ID:	P4722-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	71.8
Sample Wt/Vol:	8.34 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020206.D	1		11/07/24 14:57	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	4.20	ug/Kg
74-87-3	Chloromethane	0.97	U	0.97	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.64	U	0.64	4.20	ug/Kg
74-83-9	Bromomethane	0.86	U	0.86	4.20	ug/Kg
75-00-3	Chloroethane	0.84	U	0.84	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	0.76	U	0.76	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.89	U	0.89	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.65	U	0.65	4.20	ug/Kg
67-64-1	Acetone	120		5.20	20.9	ug/Kg
75-15-0	Carbon Disulfide	1.70	J	1.10	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.56	U	0.56	4.20	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.20	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.70	U	0.70	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.53	U	0.53	4.20	ug/Kg
110-82-7	Cyclohexane	0.58	U	0.58	4.20	ug/Kg
78-93-3	2-Butanone	34.1		4.70	20.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.73	U	0.73	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.51	U	0.51	4.20	ug/Kg
74-97-5	Bromochloromethane	2.00	U	2.00	4.20	ug/Kg
67-66-3	Chloroform	0.56	U	0.56	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.65	U	0.65	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.73	U	0.73	4.20	ug/Kg
71-43-2	Benzene	0.60	U	0.60	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.51	U	0.51	4.20	ug/Kg
79-01-6	Trichloroethene	0.63	U	0.63	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.55	U	0.55	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.47	U	0.47	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	20.9	ug/Kg
108-88-3	Toluene	0.56	U	0.56	4.20	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(5)	SDG No.:	P4722
Lab Sample ID:	P4722-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	71.8
Sample Wt/Vol:	8.34 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020206.D	1		11/07/24 14:57	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.50	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.48	U	0.48	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.70	U	0.70	4.20	ug/Kg
591-78-6	2-Hexanone	4.00	U	4.00	20.9	ug/Kg
124-48-1	Dibromochloromethane	0.54	U	0.54	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.66	U	0.66	4.20	ug/Kg
127-18-4	Tetrachloroethene	0.74	U	0.74	4.20	ug/Kg
108-90-7	Chlorobenzene	0.62	U	0.62	4.20	ug/Kg
100-41-4	Ethyl Benzene	0.52	U	0.52	4.20	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.30	ug/Kg
95-47-6	o-Xylene	0.58	U	0.58	4.20	ug/Kg
100-42-5	Styrene	0.50	U	0.50	4.20	ug/Kg
75-25-2	Bromoform	0.68	U	0.68	4.20	ug/Kg
98-82-8	Isopropylbenzene	0.56	U	0.56	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.92	U	0.92	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.62	U	0.62	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.67	U	0.67	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.49	U	0.49	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.66	U	0.66	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.65	U	0.65	4.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	69.3		50 - 163	139%	SPK: 50
1868-53-7	Dibromofluoromethane	55.6		54 - 147	111%	SPK: 50
2037-26-5	Toluene-d8	51.0		58 - 134	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	60.7		29 - 146	121%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	143000	7.707			
540-36-3	1,4-Difluorobenzene	298000	8.616			
3114-55-4	Chlorobenzene-d5	290000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	125000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(5)	SDG No.:	P4722
Lab Sample ID:	P4722-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	71.8
Sample Wt/Vol:	8.34 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020206.D	1		11/07/24 14:57	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000091-17-8	Naphthalene, decahydro-	120	J		13.7	ug/Kg
	unknown14.066	55.1	J		14.1	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	170	J		14.2	ug/Kg
002958-75-0	1-Methyldecahydronaphthalene	190	J		14.3	ug/Kg
	unknown14.651	110	J		14.7	ug/Kg
066660-43-3	trans, cis-3-Ethylbicyclo[4.4.0]de	58.2	J		14.8	ug/Kg
054676-39-0	Cyclohexane, 2-butyl-1,1,3-trimeth	64.0	J		15.0	ug/Kg
	unknown15.255	160	J		15.3	ug/Kg
061142-70-9	Cyclohexane, 2,4-diethyl-1-methyl-	70.6	J		15.3	ug/Kg
	unknown15.511	91.3	J		15.5	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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(3.5)	SDG No.:	P4722
Lab Sample ID:	P4722-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	79.8
Sample Wt/Vol:	11.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020209.D	1		11/07/24 16:07	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	0.88	2.70	ug/Kg
74-87-3	Chloromethane	0.62	U	0.62	2.70	ug/Kg
75-01-4	Vinyl Chloride	0.41	U	0.41	2.70	ug/Kg
74-83-9	Bromomethane	0.55	U	0.55	2.70	ug/Kg
75-00-3	Chloroethane	0.54	U	0.54	2.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.48	U	0.48	2.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.57	U	0.57	2.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.41	U	0.41	2.70	ug/Kg
67-64-1	Acetone	3.30	U	3.30	13.3	ug/Kg
75-15-0	Carbon Disulfide	0.68	U	0.68	2.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.36	U	0.36	2.70	ug/Kg
79-20-9	Methyl Acetate	0.96	U	0.96	2.70	ug/Kg
75-09-2	Methylene Chloride	1.80	U	1.80	5.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.45	U	0.45	2.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.33	U	0.33	2.70	ug/Kg
110-82-7	Cyclohexane	0.37	U	0.37	2.70	ug/Kg
78-93-3	2-Butanone	3.00	U	3.00	13.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.46	U	0.46	2.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.32	U	0.32	2.70	ug/Kg
74-97-5	Bromochloromethane	1.30	U	1.30	2.70	ug/Kg
67-66-3	Chloroform	0.36	U	0.36	2.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.41	U	0.41	2.70	ug/Kg
108-87-2	Methylcyclohexane	0.46	U	0.46	2.70	ug/Kg
71-43-2	Benzene	0.38	U	0.38	2.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.32	U	0.32	2.70	ug/Kg
79-01-6	Trichloroethene	0.40	U	0.40	2.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.35	U	0.35	2.70	ug/Kg
75-27-4	Bromodichloromethane	0.30	U	0.30	2.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.30	U	2.30	13.3	ug/Kg
108-88-3	Toluene	0.36	U	0.36	2.70	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(3.5)	SDG No.:	P4722
Lab Sample ID:	P4722-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	79.8
Sample Wt/Vol:	11.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020209.D	1		11/07/24 16:07	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.32	U	0.32	2.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.30	U	0.30	2.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.45	U	0.45	2.70	ug/Kg
591-78-6	2-Hexanone	2.50	U	2.50	13.3	ug/Kg
124-48-1	Dibromochloromethane	0.35	U	0.35	2.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.42	U	0.42	2.70	ug/Kg
127-18-4	Tetrachloroethene	0.47	U	0.47	2.70	ug/Kg
108-90-7	Chlorobenzene	0.39	U	0.39	2.70	ug/Kg
100-41-4	Ethyl Benzene	0.33	U	0.33	2.70	ug/Kg
179601-23-1	m/p-Xylenes	0.72	U	0.72	5.30	ug/Kg
95-47-6	o-Xylene	0.37	U	0.37	2.70	ug/Kg
100-42-5	Styrene	0.32	U	0.32	2.70	ug/Kg
75-25-2	Bromoform	0.43	U	0.43	2.70	ug/Kg
98-82-8	Isopropylbenzene	0.36	U	0.36	2.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.58	U	0.58	2.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.39	U	0.39	2.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.42	U	0.42	2.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.31	U	0.31	2.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.83	U	0.83	2.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	2.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.41	U	0.41	2.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.6		50 - 163	125%	SPK: 50
1868-53-7	Dibromofluoromethane	53.6		54 - 147	107%	SPK: 50
2037-26-5	Toluene-d8	49.3		58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		29 - 146	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	181000	7.713			
540-36-3	1,4-Difluorobenzene	389000	8.616			
3114-55-4	Chlorobenzene-d5	362000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(3.5)	SDG No.:	P4722
Lab Sample ID:	P4722-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	79.8
Sample Wt/Vol:	11.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020209.D	1		11/07/24 16:07	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
91-20-3	Naphthalene	0.95	J		15.1	ug/Kg

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(4)	SDG No.:	P4722
Lab Sample ID:	P4722-19	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.4
Sample Wt/Vol:	12.89 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020210.D	1		11/07/24 16:31	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.72	U	0.72	2.20	ug/Kg
74-87-3	Chloromethane	0.50	U	0.50	2.20	ug/Kg
75-01-4	Vinyl Chloride	0.33	U	0.33	2.20	ug/Kg
74-83-9	Bromomethane	0.45	U	0.45	2.20	ug/Kg
75-00-3	Chloroethane	0.44	U	0.44	2.20	ug/Kg
75-69-4	Trichlorofluoromethane	0.39	U	0.39	2.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.46	U	0.46	2.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.34	U	0.34	2.20	ug/Kg
67-64-1	Acetone	2.70	U	2.70	10.8	ug/Kg
75-15-0	Carbon Disulfide	0.56	U	0.56	2.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.29	U	0.29	2.20	ug/Kg
79-20-9	Methyl Acetate	0.78	U	0.78	2.20	ug/Kg
75-09-2	Methylene Chloride	1.50	U	1.50	4.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.36	U	0.36	2.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.27	U	0.27	2.20	ug/Kg
110-82-7	Cyclohexane	0.30	U	0.30	2.20	ug/Kg
78-93-3	2-Butanone	2.50	U	2.50	10.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.38	U	0.38	2.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.26	U	0.26	2.20	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	2.20	ug/Kg
67-66-3	Chloroform	0.29	U	0.29	2.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.34	U	0.34	2.20	ug/Kg
108-87-2	Methylcyclohexane	0.38	U	0.38	2.20	ug/Kg
71-43-2	Benzene	0.31	U	0.31	2.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.26	U	0.26	2.20	ug/Kg
79-01-6	Trichloroethene	0.33	U	0.33	2.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.29	U	0.29	2.20	ug/Kg
75-27-4	Bromodichloromethane	0.24	U	0.24	2.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.90	U	1.90	10.8	ug/Kg
108-88-3	Toluene	0.29	U	0.29	2.20	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(4)	SDG No.:	P4722
Lab Sample ID:	P4722-19	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.4
Sample Wt/Vol:	12.89 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020210.D	1		11/07/24 16:31	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.26	U	0.26	2.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.25	U	0.25	2.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.36	U	0.36	2.20	ug/Kg
591-78-6	2-Hexanone	2.10	U	2.10	10.8	ug/Kg
124-48-1	Dibromochloromethane	0.28	U	0.28	2.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.34	U	0.34	2.20	ug/Kg
127-18-4	Tetrachloroethene	0.39	U	0.39	2.20	ug/Kg
108-90-7	Chlorobenzene	0.32	U	0.32	2.20	ug/Kg
100-41-4	Ethyl Benzene	0.27	U	0.27	2.20	ug/Kg
179601-23-1	m/p-Xylenes	0.59	U	0.59	4.30	ug/Kg
95-47-6	o-Xylene	0.30	U	0.30	2.20	ug/Kg
100-42-5	Styrene	0.26	U	0.26	2.20	ug/Kg
75-25-2	Bromoform	0.35	U	0.35	2.20	ug/Kg
98-82-8	Isopropylbenzene	0.29	U	0.29	2.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.48	U	0.48	2.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.32	U	0.32	2.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.35	U	0.35	2.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.26	U	0.26	2.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.68	U	0.68	2.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.34	U	0.34	2.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.34	U	0.34	2.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	64.4		50 - 163	129%	SPK: 50
1868-53-7	Dibromofluoromethane	54.2		54 - 147	108%	SPK: 50
2037-26-5	Toluene-d8	49.8		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		29 - 146	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	180000	7.707			
540-36-3	1,4-Difluorobenzene	387000	8.616			
3114-55-4	Chlorobenzene-d5	366000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	139000	13.346			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(4)	SDG No.:	P4722
Lab Sample ID:	P4722-19	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.4
Sample Wt/Vol:	12.89 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020210.D	1		11/07/24 16:31	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(3)	SDG No.:	P4722
Lab Sample ID:	P4722-21	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	87.7
Sample Wt/Vol:	12.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020211.D	1		11/07/24 16:54	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.78	U	0.78	2.40	ug/Kg
74-87-3	Chloromethane	0.55	U	0.55	2.40	ug/Kg
75-01-4	Vinyl Chloride	0.36	U	0.36	2.40	ug/Kg
74-83-9	Bromomethane	0.49	U	0.49	2.40	ug/Kg
75-00-3	Chloroethane	0.48	U	0.48	2.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.43	U	0.43	2.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.51	U	0.51	2.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.37	U	0.37	2.40	ug/Kg
67-64-1	Acetone	2.90	U	2.90	11.8	ug/Kg
75-15-0	Carbon Disulfide	0.60	U	0.60	2.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.32	U	0.32	2.40	ug/Kg
79-20-9	Methyl Acetate	0.85	U	0.85	2.40	ug/Kg
75-09-2	Methylene Chloride	1.60	U	1.60	4.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.40	U	0.40	2.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.30	U	0.30	2.40	ug/Kg
110-82-7	Cyclohexane	0.33	U	0.33	2.40	ug/Kg
78-93-3	2-Butanone	2.70	U	2.70	11.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.41	U	0.41	2.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.29	U	0.29	2.40	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	2.40	ug/Kg
67-66-3	Chloroform	0.32	U	0.32	2.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.37	U	0.37	2.40	ug/Kg
108-87-2	Methylcyclohexane	0.41	U	0.41	2.40	ug/Kg
71-43-2	Benzene	0.34	U	0.34	2.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.29	U	0.29	2.40	ug/Kg
79-01-6	Trichloroethene	0.35	U	0.35	2.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.31	U	0.31	2.40	ug/Kg
75-27-4	Bromodichloromethane	0.26	U	0.26	2.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.10	U	2.10	11.8	ug/Kg
108-88-3	Toluene	0.32	U	0.32	2.40	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(3)	SDG No.:	P4722
Lab Sample ID:	P4722-21	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	87.7
Sample Wt/Vol:	12.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020211.D	1		11/07/24 16:54	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.28	U	0.28	2.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.27	U	0.27	2.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.40	U	0.40	2.40	ug/Kg
591-78-6	2-Hexanone	2.30	U	2.30	11.8	ug/Kg
124-48-1	Dibromochloromethane	0.31	U	0.31	2.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.37	U	0.37	2.40	ug/Kg
127-18-4	Tetrachloroethene	1.00	J	0.42	2.40	ug/Kg
108-90-7	Chlorobenzene	0.35	U	0.35	2.40	ug/Kg
100-41-4	Ethyl Benzene	0.29	U	0.29	2.40	ug/Kg
179601-23-1	m/p-Xylenes	0.64	U	0.64	4.70	ug/Kg
95-47-6	o-Xylene	0.33	U	0.33	2.40	ug/Kg
100-42-5	Styrene	0.28	U	0.28	2.40	ug/Kg
75-25-2	Bromoform	0.38	U	0.38	2.40	ug/Kg
98-82-8	Isopropylbenzene	0.32	U	0.32	2.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.52	U	0.52	2.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.35	U	0.35	2.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.38	U	0.38	2.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.28	U	0.28	2.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.74	U	0.74	2.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.37	U	0.37	2.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.37	U	0.37	2.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	65.3		50 - 163	131%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		54 - 147	109%	SPK: 50
2037-26-5	Toluene-d8	49.5		58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		29 - 146	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	175000	7.713			
540-36-3	1,4-Difluorobenzene	372000	8.616			
3114-55-4	Chlorobenzene-d5	352000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.346			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(3)	SDG No.:	P4722
Lab Sample ID:	P4722-21	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	87.7
Sample Wt/Vol:	12.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020211.D	1		11/07/24 16:54	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

QC SUMMARY

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Surrogate Summary

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4722-01	WC-1(5.5)	1,2-Dichloroethane-d4	50	61.1	122	50	163
		Dibromofluoromethane	50	52.4	105	54	147
		Toluene-d8	50	48.9	98	58	134
		4-Bromofluorobenzene	50	43.7	87	29	146
P4722-06	WC-2(2)	1,2-Dichloroethane-d4	50	61.8	124	50	163
		Dibromofluoromethane	50	52.7	105	54	147
		Toluene-d8	50	49.5	99	58	134
		4-Bromofluorobenzene	50	50.7	101	29	146
P4722-11	WC-3(5)	1,2-Dichloroethane-d4	50	69.3	139	50	163
		Dibromofluoromethane	50	55.6	111	54	147
		Toluene-d8	50	51.0	102	58	134
		4-Bromofluorobenzene	50	60.7	121	29	146
P4722-17	WC-1(3.5)	1,2-Dichloroethane-d4	50	62.6	125	50	163
		Dibromofluoromethane	50	53.6	107	54	147
		Toluene-d8	50	49.3	99	58	134
		4-Bromofluorobenzene	50	47.9	96	29	146
P4722-19	WC-2(4)	1,2-Dichloroethane-d4	50	64.4	129	50	163
		Dibromofluoromethane	50	54.2	108	54	147
		Toluene-d8	50	49.8	100	58	134
		4-Bromofluorobenzene	50	48.9	98	29	146
P4722-21	WC-3(3)	1,2-Dichloroethane-d4	50	65.3	131	50	163
		Dibromofluoromethane	50	54.3	109	54	147
		Toluene-d8	50	49.5	99	58	134
		4-Bromofluorobenzene	50	47.3	95	29	146
VY1107SBL01	VY1107SBL01	1,2-Dichloroethane-d4	50	55.0	110	50	163
		Dibromofluoromethane	50	52.5	105	54	147
		Toluene-d8	50	49.4	99	58	134
		4-Bromofluorobenzene	50	43.8	88	29	146
VY1107SBS01	VY1107SBS01	1,2-Dichloroethane-d4	50	52.9	106	50	163
		Dibromofluoromethane	50	52.6	105	54	147
		Toluene-d8	50	51.9	104	58	134
		4-Bromofluorobenzene	50	52.2	104	29	146
VY1107SBSD01	VY1107SBSD01	1,2-Dichloroethane-d4	50	54.1	108	50	163
		Dibromofluoromethane	50	51.8	104	54	147
		Toluene-d8	50	51.6	103	58	134
		4-Bromofluorobenzene	50	51.7	103	29	146
VY1108SBL01	VY1108SBL01	1,2-Dichloroethane-d4	50	55.5	111	50	163
		Dibromofluoromethane	50	50.6	101	54	147
		Toluene-d8	50	48.3	97	58	134
		4-Bromofluorobenzene	50	44.7	89	29	146
VY1108SBS01	VY1108SBS01	1,2-Dichloroethane-d4	50	50.8	102	50	163
		Dibromofluoromethane	50	49.9	100	54	147
		Toluene-d8	50	49.1	98	58	134
		4-Bromofluorobenzene	50	50.0	100	29	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D **Datafile :** VY020198.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1107SBS01	Dichlorodifluoromethane	20	18.5	ug/Kg	93			64	136	
	Chloromethane	20	20.8	ug/Kg	104			70	130	
	Vinyl chloride	20	21.4	ug/Kg	107			72	129	
	Bromomethane	20	22.2	ug/Kg	111			58	141	
	Chloroethane	20	22.8	ug/Kg	114			69	130	
	Trichlorofluoromethane	20	21.9	ug/Kg	110			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.5	ug/Kg	108			81	123	
	1,1-Dichloroethene	20	21.1	ug/Kg	106			79	121	
	Acetone	100	100	ug/Kg	100			60	131	
	Carbon disulfide	20	19.5	ug/Kg	98			45	154	
	Methyl tert-butyl Ether	20	21.5	ug/Kg	108			77	129	
	Methyl Acetate	20	22.4	ug/Kg	112			69	149	
	Methylene Chloride	20	20.3	ug/Kg	102			56	174	
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105			80	123	
	1,1-Dichloroethane	20	21.1	ug/Kg	106			82	123	
	Cyclohexane	20	20.0	ug/Kg	100			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	21.3	ug/Kg	106			76	129	
	cis-1,2-Dichloroethene	20	21.0	ug/Kg	105			82	123	
	Bromochloromethane	20	20.7	ug/Kg	104			80	127	
	Chloroform	20	21.5	ug/Kg	108			82	125	
	1,1,1-Trichloroethane	20	21.4	ug/Kg	107			80	126	
	Methylcyclohexane	20	19.9	ug/Kg	100			77	123	
	Benzene	20	21.0	ug/Kg	105			84	121	
	1,2-Dichloroethane	20	21.9	ug/Kg	110			81	126	
	Trichloroethene	20	20.8	ug/Kg	104			83	122	
	1,2-Dichloropropane	20	21.7	ug/Kg	109			83	122	
	Bromodichloromethane	20	20.9	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			70	135	
	Toluene	20	21.4	ug/Kg	107			83	122	
	t-1,3-Dichloropropene	20	20.7	ug/Kg	104			78	124	
	cis-1,3-Dichloropropene	20	21.3	ug/Kg	106			81	122	
	1,1,2-Trichloroethane	20	23.0	ug/Kg	115			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	21.5	ug/Kg	108			79	125	
	1,2-Dibromoethane	20	21.4	ug/Kg	107			80	125	
	Tetrachloroethene	20	21.0	ug/Kg	105			83	125	
	Chlorobenzene	20	21.0	ug/Kg	105			84	122	
	Ethyl Benzene	20	20.7	ug/Kg	104			82	124	
	m/p-Xylenes	40	42.1	ug/Kg	105			83	124	
	o-Xylene	20	21.1	ug/Kg	106			83	123	
	Styrene	20	21.4	ug/Kg	107			82	124	
	Bromoform	20	21.7	ug/Kg	109			75	127	
	Isopropylbenzene	20	21.2	ug/Kg	106			82	124	
	1,1,2,2-Tetrachloroethane	20	21.1	ug/Kg	106			77	127	
	1,3-Dichlorobenzene	20	21.5	ug/Kg	108			83	122	
	1,4-Dichlorobenzene	20	21.6	ug/Kg	108			84	121	
	1,2-Dichlorobenzene	20	21.7	ug/Kg	109			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D **Datafile :** VY020198.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1107SBS01	1,2-Dibromo-3-Chloropropane	20	21.4	ug/Kg	107			66	134	
	1,2,4-Trichlorobenzene	20	20.7	ug/Kg	104			78	127	
	1,2,3-Trichlorobenzene	20	20.0	ug/Kg	100			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D **Datafile :** VY020199.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1107SBSD01	Dichlorodifluoromethane	20	19.2	ug/Kg	96	3		64	136	20
	Chloromethane	20	19.6	ug/Kg	98	6		70	130	20
	Vinyl chloride	20	20.0	ug/Kg	100	7		72	129	20
	Bromomethane	20	20.8	ug/Kg	104	7		58	141	20
	Chloroethane	20	20.5	ug/Kg	103	10		69	130	20
	Trichlorofluoromethane	20	19.6	ug/Kg	98	12		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/Kg	100	8		81	123	20
	1,1-Dichloroethene	20	19.1	ug/Kg	96	10		79	121	20
	Acetone	100	110	ug/Kg	110	10		60	131	20
	Carbon disulfide	20	17.4	ug/Kg	87	12		45	154	20
	Methyl tert-butyl Ether	20	21.8	ug/Kg	109	1		77	129	20
	Methyl Acetate	20	22.8	ug/Kg	114	2		69	149	20
	Methylene Chloride	20	19.2	ug/Kg	96	6		56	174	20
	trans-1,2-Dichloroethene	20	19.1	ug/Kg	96	9		80	123	20
	1,1-Dichloroethane	20	20.7	ug/Kg	104	2		82	123	20
	Cyclohexane	20	17.9	ug/Kg	90	11		76	122	20
	2-Butanone	100	110	ug/Kg	110	0		69	131	20
	Carbon Tetrachloride	20	19.0	ug/Kg	95	11		76	129	20
	cis-1,2-Dichloroethene	20	19.9	ug/Kg	100	5		82	123	20
	Bromochloromethane	20	19.9	ug/Kg	100	4		80	127	20
	Chloroform	20	20.6	ug/Kg	103	5		82	125	20
	1,1,1-Trichloroethane	20	20.3	ug/Kg	102	5		80	126	20
	Methylcyclohexane	20	17.5	ug/Kg	88	13		77	123	20
	Benzene	20	19.9	ug/Kg	100	5		84	121	20
	1,2-Dichloroethane	20	21.1	ug/Kg	106	4		81	126	20
	Trichloroethene	20	19.7	ug/Kg	99	5		83	122	20
	1,2-Dichloropropane	20	20.8	ug/Kg	104	5		83	122	20
	Bromodichloromethane	20	20.6	ug/Kg	103	1		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		70	135	20
	Toluene	20	19.9	ug/Kg	100	7		83	122	20
	t-1,3-Dichloropropene	20	19.8	ug/Kg	99	5		78	124	20
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102	4		81	122	20
	1,1,2-Trichloroethane	20	21.5	ug/Kg	108	6		82	125	20
	2-Hexanone	100	110	ug/Kg	110	0		66	138	20
	Dibromochloromethane	20	21.4	ug/Kg	107	1		79	125	20
	1,2-Dibromoethane	20	21.1	ug/Kg	106	1		80	125	20
	Tetrachloroethene	20	19.7	ug/Kg	99	6		83	125	20
	Chlorobenzene	20	20.1	ug/Kg	101	4		84	122	20
	Ethyl Benzene	20	19.4	ug/Kg	97	7		82	124	20
	m/p-Xylenes	40	39.0	ug/Kg	98	7		83	124	20
	o-Xylene	20	19.4	ug/Kg	97	9		83	123	20
	Styrene	20	19.9	ug/Kg	100	7		82	124	20
	Bromoform	20	21.9	ug/Kg	110	1		75	127	20
	Isopropylbenzene	20	19.4	ug/Kg	97	9		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.1	ug/Kg	106	0		77	127	20
	1,3-Dichlorobenzene	20	20.0	ug/Kg	100	8		83	122	20
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100	8		84	121	20
	1,2-Dichlorobenzene	20	20.5	ug/Kg	103	6		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D **Datafile :** VY020199.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1107SBSD01	1,2-Dibromo-3-Chloropropane	20	20.6	ug/Kg	103	4		66	134	20
	1,2,4-Trichlorobenzene	20	19.5	ug/Kg	98	6		78	127	20
	1,2,3-Trichlorobenzene	20	19.5	ug/Kg	98	2		70	137	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D **Datafile :** VY020223.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1108SBS01	Dichlorodifluoromethane	20	17.2	ug/Kg	86			64	136	
	Chloromethane	20	18.6	ug/Kg	93			70	130	
	Vinyl chloride	20	19.3	ug/Kg	97			72	129	
	Bromomethane	20	20.2	ug/Kg	101			58	141	
	Chloroethane	20	19.9	ug/Kg	100			69	130	
	Trichlorofluoromethane	20	21.4	ug/Kg	107			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103			81	123	
	1,1-Dichloroethene	20	20.2	ug/Kg	101			79	121	
	Acetone	100	100	ug/Kg	100			60	131	
	Carbon disulfide	20	17.1	ug/Kg	86			45	154	
	Methyl tert-butyl Ether	20	21.8	ug/Kg	109			77	129	
	Methyl Acetate	20	20.8	ug/Kg	104			69	149	
	Methylene Chloride	20	18.5	ug/Kg	93			56	174	
	trans-1,2-Dichloroethene	20	20.1	ug/Kg	101			80	123	
	1,1-Dichloroethane	20	20.6	ug/Kg	103			82	123	
	Cyclohexane	20	18.5	ug/Kg	93			76	122	
	2-Butanone	100	100	ug/Kg	100			69	131	
	Carbon Tetrachloride	20	20.1	ug/Kg	101			76	129	
	cis-1,2-Dichloroethene	20	20.5	ug/Kg	103			82	123	
	Bromochloromethane	20	19.9	ug/Kg	100			80	127	
	Chloroform	20	21.1	ug/Kg	106			82	125	
	1,1,1-Trichloroethane	20	21.1	ug/Kg	106			80	126	
	Methylcyclohexane	20	18.5	ug/Kg	93			77	123	
	Benzene	20	19.8	ug/Kg	99			84	121	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			81	126	
	Trichloroethene	20	19.7	ug/Kg	99			83	122	
	1,2-Dichloropropane	20	20.5	ug/Kg	103			83	122	
	Bromodichloromethane	20	20.7	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			70	135	
	Toluene	20	19.9	ug/Kg	100			83	122	
	t-1,3-Dichloropropene	20	20.0	ug/Kg	100			78	124	
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102			81	122	
	1,1,2-Trichloroethane	20	20.5	ug/Kg	103			82	125	
	2-Hexanone	100	100	ug/Kg	100			66	138	
	Dibromochloromethane	20	20.7	ug/Kg	104			79	125	
	1,2-Dibromoethane	20	20.4	ug/Kg	102			80	125	
	Tetrachloroethene	20	20.5	ug/Kg	103			83	125	
	Chlorobenzene	20	20.1	ug/Kg	101			84	122	
	Ethyl Benzene	20	19.8	ug/Kg	99			82	124	
	m/p-Xylenes	40	40.6	ug/Kg	102			83	124	
	o-Xylene	20	20.0	ug/Kg	100			83	123	
	Styrene	20	20.7	ug/Kg	104			82	124	
	Bromoform	20	21.4	ug/Kg	107			75	127	
	Isopropylbenzene	20	20.6	ug/Kg	103			82	124	
	1,1,2,2-Tetrachloroethane	20	20.9	ug/Kg	104			77	127	
	1,3-Dichlorobenzene	20	20.8	ug/Kg	104			83	122	
	1,4-Dichlorobenzene	20	20.6	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.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D **Datafile :** VY020223.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1108SBS01	1,2-Dibromo-3-Chloropropane	20	21.5	ug/Kg	108			66	134	
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99			78	127	
	1,2,3-Trichlorobenzene	20	19.2	ug/Kg	96			70	137	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1107SBL01

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VY020197.D Lab Sample ID: VY1107SBL01

Date Analyzed: 11/07/2024 Time Analyzed: 11:19

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
VY1107SBS01	VY1107SBS01	VY020198.D	11/07/2024
VY1107SBSD01	VY1107SBSD01	VY020199.D	11/07/2024
WC-3(5)	P4722-11	VY020206.D	11/07/2024
WC-2(2)	P4722-06	VY020207.D	11/07/2024
WC-1(3.5)	P4722-17	VY020209.D	11/07/2024
WC-2(4)	P4722-19	VY020210.D	11/07/2024
WC-3(3)	P4722-21	VY020211.D	11/07/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1108SBL01

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VY020222.D Lab Sample ID: VY1108SBL01

Date Analyzed: 11/08/2024 Time Analyzed: 10:40

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
VY1108SBS01	VY1108SBS01	VY020223.D	11/08/2024
WC-1(5.5)	P4722-01	VY020230.D	11/08/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VY020074.D BFB Injection Date: 10/30/2024

Instrument ID: MSVOA_Y BFB Injection Time: 12:07

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	24
75	30.0 - 60.0% of mass 95	57.2
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	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	74.5
175	5.0 - 9.0% of mass 174	5.8 (7.8) 1
176	95.0 - 101.0% of mass 174	70.8 (95.1) 1
177	5.0 - 9.0% of mass 176	4.9 (6.9) 2

1-Value is % mass 174 2-Value is % mass 176

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
VSTDICC005	VSTDICC005	VY020075.D	10/30/2024	12:39
VSTDICC010	VSTDICC010	VY020076.D	10/30/2024	13:02
VSTDICC020	VSTDICC020	VY020077.D	10/30/2024	13:24
VSTDICCC050	VSTDICCC050	VY020078.D	10/30/2024	14:06
VSTDICC100	VSTDICC100	VY020079.D	10/30/2024	14:29
VSTDICC150	VSTDICC150	VY020080.D	10/30/2024	14:52

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VY020195.D BFB Injection Date: 11/07/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:36

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	24.8
75	30.0 - 60.0% of mass 95	57.7
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	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	71.7
175	5.0 - 9.0% of mass 174	5.8 (8.1) 1
176	95.0 - 101.0% of mass 174	70.5 (98.3) 1
177	5.0 - 9.0% of mass 176	4.6 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY020196.D	11/07/2024	10:27
VY1107SBL01	VY1107SBL01	VY020197.D	11/07/2024	11:19
VY1107SBS01	VY1107SBS01	VY020198.D	11/07/2024	11:50
VY1107SBSD01	VY1107SBSD01	VY020199.D	11/07/2024	12:13
WC-3(5)	P4722-11	VY020206.D	11/07/2024	14:57
WC-2(2)	P4722-06	VY020207.D	11/07/2024	15:20
WC-1(3.5)	P4722-17	VY020209.D	11/07/2024	16:07
WC-2(4)	P4722-19	VY020210.D	11/07/2024	16:31
WC-3(3)	P4722-21	VY020211.D	11/07/2024	16:54

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VY020220.D BFB Injection Date: 11/08/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:45

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	23
75	30.0 - 60.0% of mass 95	58.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	73.8
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	72.6 (98.4) 1
177	5.0 - 9.0% of mass 176	4.8 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY020221.D	11/08/2024	09:33
VY1108SBL01	VY1108SBL01	VY020222.D	11/08/2024	10:40
VY1108SBS01	VY1108SBS01	VY020223.D	11/08/2024	11:19
WC-1(5.5)	P4722-01	VY020230.D	11/08/2024	14:02

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VY020196.D Date Analyzed: 11/07/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:27

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	221675	7.71	394769	8.62	345161	11.41
UPPER LIMIT	443350	8.213	789538	9.116	690322	11.914
LOWER LIMIT	110838	7.213	197385	8.116	172581	10.914
EPA SAMPLE NO.						
WC-2(2)	198592	7.71	428344	8.62	407022	11.41
WC-3(5)	142540	7.71	298274	8.62	289563	11.41
WC-1(3.5)	181277	7.71	389130	8.62	362163	11.41
WC-2(4)	179581	7.71	387425	8.62	366025	11.41
WC-3(3)	175489	7.71	372455	8.62	352192	11.41
VY1107SBL01	168265	7.71	343319	8.62	313025	11.41
VY1107SBS01	202685	7.71	361864	8.62	315230	11.41
VY1107SBSD01	206563	7.71	375441	8.62	325231	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: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VY020196.D Date Analyzed: 11/07/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:27

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

	IS4 AREA #	RT #				
12 HOUR STD	165809	13.347				
UPPER LIMIT	331618	13.847				
LOWER LIMIT	82904.5	12.847				
EPA SAMPLE NO.						
WC-2(2)	153864	13.35				
WC-3(5)	125008	13.35				
WC-1(3.5)	133281	13.35				
WC-2(4)	138732	13.35				
WC-3(3)	123426	13.35				
VY1107SBL01	103250	13.35				
VY1107SBS01	144996	13.35				
VY1107SBSD01	151947	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VY020221.D Date Analyzed: 11/08/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:33

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	282936	7.71	514187	8.62	441792	11.42
UPPER LIMIT	565872	8.213	1028370	9.116	883584	11.92
LOWER LIMIT	141468	7.213	257094	8.116	220896	10.92
EPA SAMPLE NO.						
WC-1(5.5)	209744	7.71	444878	8.62	397795	11.41
VY1108SBL01	212436	7.71	452508	8.62	403401	11.42
VY1108SBS01	263593	7.71	480169	8.62	412478	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: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VY020221.D Date Analyzed: 11/08/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:33

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

	IS4 AREA #	RT #				
12 HOUR STD	208354	13.353				
UPPER LIMIT	416708	13.853				
LOWER LIMIT	104177	12.853				
EPA SAMPLE NO.						
WC-1(5.5)	127098	13.35				
VY1108SBL01	137264	13.35				
VY1108SBS01	187903	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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1107SBL01	SDG No.:	P4722
Lab Sample ID:	VY1107SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020197.D	1		11/07/24 11:19	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1107SBL01	SDG No.:	P4722
Lab Sample ID:	VY1107SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020197.D	1		11/07/24 11:19	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.0		50 - 163	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	49.4		58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.8		29 - 146	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	168000	7.713			
540-36-3	1,4-Difluorobenzene	343000	8.616			
3114-55-4	Chlorobenzene-d5	313000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	103000	13.347			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1107SBL01	SDG No.:	P4722
Lab Sample ID:	VY1107SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020197.D	1		11/07/24 11:19	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1108SBL01	SDG No.:	P4722
Lab Sample ID:	VY1108SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020222.D	1		11/08/24 10:40	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1108SBL01	SDG No.:	P4722
Lab Sample ID:	VY1108SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020222.D	1		11/08/24 10:40	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.5		50 - 163	111%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		54 - 147	101%	SPK: 50
2037-26-5	Toluene-d8	48.3		58 - 134	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.7		29 - 146	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	212000	7.713			
540-36-3	1,4-Difluorobenzene	453000	8.616			
3114-55-4	Chlorobenzene-d5	403000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.352			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1108SBL01	SDG No.:	P4722
Lab Sample ID:	VY1108SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020222.D	1		11/08/24 10:40	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1107SBS01	SDG No.:	P4722
Lab Sample ID:	VY1107SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020198.D	1		11/07/24 11:50	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.5		1.70	5.00	ug/Kg
74-87-3	Chloromethane	20.8		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.4		0.77	5.00	ug/Kg
74-83-9	Bromomethane	22.2		1.00	5.00	ug/Kg
75-00-3	Chloroethane	22.8		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.9		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.5		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.1		0.78	5.00	ug/Kg
67-64-1	Acetone	100		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.5		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.5		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	22.4		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.3		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.0		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.1		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	20.0		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.3		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.0		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	20.7		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.5		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.4		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.9		0.87	5.00	ug/Kg
71-43-2	Benzene	21.0		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.9		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	20.8		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.7		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.9		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	21.4		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1107SBS01	SDG No.:	P4722
Lab Sample ID:	VY1107SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020198.D	1		11/07/24 11:50	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.7		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.3		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	23.0		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.5		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.4		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.0		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	21.0		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.7		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.1		1.40	10.0	ug/Kg
95-47-6	o-Xylene	21.1		0.70	5.00	ug/Kg
100-42-5	Styrene	21.4		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.7		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.2		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.5		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.6		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.7		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.4		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.7		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.0		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.9		50 - 163	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	51.9		58 - 134	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		29 - 146	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	203000	7.707			
540-36-3	1,4-Difluorobenzene	362000	8.616			
3114-55-4	Chlorobenzene-d5	315000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.346			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1107SBS01	SDG No.:	P4722
Lab Sample ID:	VY1107SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020198.D	1		11/07/24 11:50	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1108SBS01	SDG No.:	P4722
Lab Sample ID:	VY1108SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020223.D	1		11/08/24 11:19	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	17.2		1.70	5.00	ug/Kg
74-87-3	Chloromethane	18.6		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.3		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.2		1.00	5.00	ug/Kg
75-00-3	Chloroethane	19.9		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.4		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.2		0.78	5.00	ug/Kg
67-64-1	Acetone	100		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.1		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.8		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	20.8		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	18.5		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.1		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.6		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.5		0.69	5.00	ug/Kg
78-93-3	2-Butanone	100		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.1		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.5		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	19.9		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.1		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.1		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.5		0.87	5.00	ug/Kg
71-43-2	Benzene	19.8		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.7		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.5		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.7		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		4.40	25.0	ug/Kg
108-88-3	Toluene	19.9		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1108SBS01	SDG No.:	P4722
Lab Sample ID:	VY1108SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020223.D	1		11/08/24 11:19	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.0		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.3		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.5		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	100		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.7		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.4		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.5		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.1		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.8		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.6		1.40	10.0	ug/Kg
95-47-6	o-Xylene	20.0		0.70	5.00	ug/Kg
100-42-5	Styrene	20.7		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.4		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.6		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.9		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.8		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.6		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.5		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.5		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.8		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.2		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		50 - 163	102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		54 - 147	100%	SPK: 50
2037-26-5	Toluene-d8	49.1		58 - 134	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		29 - 146	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	264000	7.707			
540-36-3	1,4-Difluorobenzene	480000	8.615			
3114-55-4	Chlorobenzene-d5	412000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	188000	13.346			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1108SBS01	SDG No.:	P4722
Lab Sample ID:	VY1108SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020223.D	1		11/08/24 11:19	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1107SBSD01	SDG No.:	P4722
Lab Sample ID:	VY1107SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020199.D	1		11/07/24 12:13	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.2		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.6		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.0		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.8		1.00	5.00	ug/Kg
75-00-3	Chloroethane	20.5		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.6		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.1		0.78	5.00	ug/Kg
67-64-1	Acetone	110		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.4		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.8		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	22.8		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.2		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.1		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.7		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	17.9		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.0		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.9		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	19.9		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.6		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.3		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.5		0.87	5.00	ug/Kg
71-43-2	Benzene	19.9		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.1		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.7		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.8		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.6		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	19.9		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1107SBSD01	SDG No.:	P4722
Lab Sample ID:	VY1107SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020199.D	1		11/07/24 12:13	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.8		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.3		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.5		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.4		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.1		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.7		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.1		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.4		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.0		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.4		0.70	5.00	ug/Kg
100-42-5	Styrene	19.9		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.9		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.4		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.0		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.0		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.5		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.6		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.5		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.5		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.1		50 - 163	108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		54 - 147	104%	SPK: 50
2037-26-5	Toluene-d8	51.6		58 - 134	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		29 - 146	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	207000	7.707			
540-36-3	1,4-Difluorobenzene	375000	8.616			
3114-55-4	Chlorobenzene-d5	325000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	152000	13.346			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VY1107SBSD01	SDG No.:	P4722
Lab Sample ID:	VY1107SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020199.D	1		11/07/24 12:13	VY110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_Y Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Calibration Time(s): 12:39 14:52

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

LAB FILE ID: RRF005 = VY020075.D RRF010 = VY020076.D RRF020 = VY020077.D
RRF050 = VY020078.D RRF100 = VY020079.D RRF150 = VY020080.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.507	0.488	0.482	0.381	0.456	0.463	0.463	9.5
Chloromethane	0.831	0.835	0.791	0.683	0.731	0.728	0.767	8.1
Vinyl Chloride	0.867	0.874	0.835	0.754	0.809	0.799	0.823	5.5
Bromomethane	0.631	0.574	0.545	0.480	0.521	0.528	0.546	9.5
Chloroethane	0.562	0.555	0.546	0.486	0.527	0.511	0.531	5.5
Trichlorofluoromethane	1.025	1.018	1.037	0.927	1.012	1.014	1.005	3.9
1,1,2-Trichlorotrifluoroethane	0.597	0.584	0.567	0.509	0.561	0.565	0.564	5.3
1,1-Dichloroethene	0.534	0.578	0.536	0.493	0.543	0.552	0.540	5.1
Acetone	0.134	0.138	0.138	0.140	0.165	0.155	0.145	8.5
Carbon Disulfide	1.790	1.835	1.806	1.674	1.832	1.837	1.796	3.5
Methyl tert-butyl Ether	1.229	1.344	1.376	1.241	1.483	1.471	1.357	8
Methyl Acetate	0.314	0.357	0.351	0.317	0.362	0.342	0.340	6
Methylene Chloride	0.807	0.716	0.641	0.555	0.597	0.597	0.652	14.3
trans-1,2-Dichloroethene	0.611	0.618	0.613	0.564	0.616	0.628	0.609	3.7
1,1-Dichloroethane	1.155	1.209	1.189	1.070	1.194	1.200	1.170	4.5
Cyclohexane	1.284	1.206	1.138	0.986	1.093	1.088	1.132	9.1
2-Butanone	0.187	0.197	0.192	0.179	0.219	0.206	0.197	7.3
Carbon Tetrachloride	0.467	0.491	0.499	0.462	0.519	0.524	0.494	5.2
cis-1,2-Dichloroethene	0.646	0.714	0.715	0.646	0.740	0.736	0.700	6.1
Bromochloromethane	0.572	0.562	0.527	0.505	0.553	0.567	0.548	4.8
Chloroform	1.141	1.170	1.186	1.068	1.196	1.203	1.161	4.3
1,1,1-Trichloroethane	0.986	1.026	1.009	0.950	1.041	1.069	1.013	4.1
Methylcyclohexane	0.603	0.602	0.631	0.578	0.665	0.661	0.623	5.6
Benzene	1.414	1.405	1.455	1.325	1.504	1.498	1.433	4.7
1,2-Dichloroethane	0.379	0.391	0.402	0.365	0.425	0.418	0.397	5.8
Trichloroethene	0.328	0.331	0.332	0.307	0.348	0.346	0.332	4.4
1,2-Dichloropropane	0.323	0.331	0.357	0.320	0.363	0.364	0.343	6
Bromodichloromethane	0.459	0.476	0.487	0.451	0.526	0.522	0.487	6.4
4-Methyl-2-Pentanone	0.190	0.223	0.238	0.219	0.269	0.252	0.232	11.9
Toluene	0.803	0.859	0.900	0.833	0.953	0.953	0.884	7.1

* 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.

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_Y Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Calibration Time(s): 12:39 14:52

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

LAB FILE ID: RRF005 = VY020075.D RRF010 = VY020076.D RRF020 = VY020077.D
RRF050 = VY020078.D RRF100 = VY020079.D RRF150 = VY020080.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.369	0.400	0.436	0.401	0.486	0.487	0.430	11.3
cis-1,3-Dichloropropene	0.446	0.485	0.518	0.484	0.573	0.573	0.513	10
1,1,2-Trichloroethane	0.206	0.225	0.235	0.216	0.257	0.248	0.231	8.4
2-Hexanone	0.131	0.161	0.168	0.158	0.198	0.182	0.166	13.7
Dibromochloromethane	0.256	0.281	0.300	0.273	0.332	0.326	0.295	10.3
1,2-Dibromoethane	0.203	0.214	0.215	0.196	0.233	0.228	0.215	6.7
Tetrachloroethene	0.326	0.316	0.344	0.307	0.344	0.343	0.330	4.8
Chlorobenzene	1.024	1.044	1.094	0.993	1.114	1.124	1.065	5
Ethyl Benzene	1.886	1.934	2.015	1.876	2.114	2.124	1.992	5.5
m/p-Xylenes	0.685	0.693	0.742	0.692	0.779	0.782	0.729	6.2
o-Xylene	0.652	0.662	0.686	0.649	0.745	0.745	0.690	6.5
Styrene	0.985	1.080	1.154	1.093	1.259	1.273	1.141	9.8
Bromoform	0.151	0.162	0.173	0.165	0.202	0.195	0.175	11.4
Isopropylbenzene	4.065	3.829	3.995	3.685	4.099	4.293	3.994	5.3
1,1,2,2-Tetrachloroethane	0.716	0.707	0.698	0.624	0.727	0.719	0.699	5.4
1,3-Dichlorobenzene	1.659	1.521	1.680	1.509	1.703	1.774	1.641	6.4
1,4-Dichlorobenzene	1.680	1.604	1.653	1.487	1.666	1.716	1.634	5
1,2-Dichlorobenzene	1.391	1.384	1.460	1.310	1.483	1.530	1.426	5.6
1,2-Dibromo-3-Chloropropane	0.107	0.104	0.106	0.092	0.114	0.112	0.106	7.6
1,2,4-Trichlorobenzene	0.652	0.708	0.784	0.693	0.865	0.895	0.766	12.8
1,2,3-Trichlorobenzene	0.578	0.606	0.653	0.575	0.737	0.754	0.650	12.1
1,2-Dichloroethane-d4	0.608	0.657	0.578	0.586	0.668	0.647	0.624	6.1
Dibromofluoromethane	0.305	0.317	0.300	0.305	0.340	0.340	0.318	5.7
Toluene-d8	1.187	1.251	1.187	1.224	1.380	1.364	1.265	6.8
4-Bromofluorobenzene	0.371	0.402	0.376	0.399	0.463	0.454	0.411	9.5

* 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.

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_Y Calibration Date/Time: 11/07/2024 10:27

Lab File ID: VY020196.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:39 14:52

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.463	0.423		-8.64	20
Chloromethane	0.767	0.852	0.1	11.08	20
Vinyl Chloride	0.823	0.900		9.36	20
Bromomethane	0.546	0.606		10.99	20
Chloroethane	0.531	0.598		12.62	20
Trichlorofluoromethane	1.005	1.058		5.27	20
1,1,2-Trichlorotrifluoroethane	0.564	0.594		5.32	20
1,1-Dichloroethene	0.540	0.561		3.89	20
Acetone	0.145	0.174		20	20
Carbon Disulfide	1.796	1.821		1.39	20
Methyl tert-butyl Ether	1.357	1.514		11.57	20
Methyl Acetate	0.340	0.370		8.82	20
Methylene Chloride	0.652	0.639		-1.99	20
trans-1,2-Dichloroethene	0.609	0.650		6.73	20
1,1-Dichloroethane	1.170	1.292	0.1	10.43	20
Cyclohexane	1.132	1.113		-1.68	20
2-Butanone	0.197	0.224		13.71	20
Carbon Tetrachloride	0.494	0.543		9.92	20
cis-1,2-Dichloroethene	0.700	0.773		10.43	20
Bromochloromethane	0.548	0.557		1.64	20
Chloroform	1.161	1.286		10.77	20
1,1,1-Trichloroethane	1.013	1.115		10.07	20
Methylcyclohexane	0.623	0.646		3.69	20
Benzene	1.433	1.588		10.82	20
1,2-Dichloroethane	0.397	0.446		12.34	20
Trichloroethene	0.332	0.359		8.13	20
1,2-Dichloropropane	0.343	0.388		13.12	20
Bromodichloromethane	0.487	0.550		12.94	20
4-Methyl-2-Pentanone	0.232	0.265		14.22	20
Toluene	0.884	0.985		11.43	20
t-1,3-Dichloropropene	0.430	0.500		16.28	20
cis-1,3-Dichloropropene	0.513	0.595		15.98	20
1,1,2-Trichloroethane	0.231	0.264		14.29	20
2-Hexanone	0.166	0.195		17.47	20
Dibromochloromethane	0.295	0.339		14.91	20
1,2-Dibromoethane	0.215	0.239		11.16	20
Tetrachloroethene	0.330	0.366		10.91	20
Chlorobenzene	1.065	1.193	0.3	12.02	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: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_Y Calibration Date/Time: 11/07/2024 10:27

Lab File ID: VY020196.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:39 14:52

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.992	2.235		12.2	20
m/p-Xylenes	0.729	0.825		13.17	20
o-Xylene	0.690	0.788		14.2	20
Styrene	1.141	1.335		17	20
Bromoform	0.175	0.204	0.1	16.57	20
Isopropylbenzene	3.994	4.361		9.19	20
1,1,2,2-Tetrachloroethane	0.699	0.750	0.3	7.3	20
1,3-Dichlorobenzene	1.641	1.834		11.76	20
1,4-Dichlorobenzene	1.634	1.787		9.36	20
1,2-Dichlorobenzene	1.426	1.588		11.36	20
1,2-Dibromo-3-Chloropropane	0.106	0.116		9.43	20
1,2,4-Trichlorobenzene	0.766	0.830		8.35	20
1,2,3-Trichlorobenzene	0.650	0.689		6	20
1,2-Dichloroethane-d4	0.624	0.663		6.25	20
Dibromofluoromethane	0.318	0.343		7.86	20
Toluene-d8	1.265	1.320		4.35	20
4-Bromofluorobenzene	0.411	0.446		8.52	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: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_Y Calibration Date/Time: 11/08/2024 09:33

Lab File ID: VY020221.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:39 14:52

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.463	0.412		-11.02	20
Chloromethane	0.767	0.758	0.1	-1.17	20
Vinyl Chloride	0.823	0.902		9.6	20
Bromomethane	0.546	0.575		5.31	20
Chloroethane	0.531	0.600		12.99	20
Trichlorofluoromethane	1.005	1.166		16.02	20
1,1,2-Trichlorotrifluoroethane	0.564	0.638		13.12	20
1,1-Dichloroethene	0.540	0.596		10.37	20
Acetone	0.145	0.177		22.07	20
Carbon Disulfide	1.796	1.901		5.85	20
Methyl tert-butyl Ether	1.357	1.510		11.27	20
Methyl Acetate	0.340	0.345		1.47	20
Methylene Chloride	0.652	0.630		-3.37	20
trans-1,2-Dichloroethene	0.609	0.682		11.99	20
1,1-Dichloroethane	1.170	1.333	0.1	13.93	20
Cyclohexane	1.132	1.185		4.68	20
2-Butanone	0.197	0.214		8.63	20
Carbon Tetrachloride	0.494	0.582		17.81	20
cis-1,2-Dichloroethene	0.700	0.800		14.29	20
Bromochloromethane	0.548	0.552		0.73	20
Chloroform	1.161	1.349		16.19	20
1,1,1-Trichloroethane	1.013	1.203		18.76	20
Methylcyclohexane	0.623	0.708		13.64	20
Benzene	1.433	1.608		12.21	20
1,2-Dichloroethane	0.397	0.432		8.82	20
Trichloroethene	0.332	0.376		13.25	20
1,2-Dichloropropane	0.343	0.385		12.24	20
Bromodichloromethane	0.487	0.557		14.37	20
4-Methyl-2-Pentanone	0.232	0.242		4.31	20
Toluene	0.884	1.030		16.52	20
t-1,3-Dichloropropene	0.430	0.481		11.86	20
cis-1,3-Dichloropropene	0.513	0.573		11.7	20
1,1,2-Trichloroethane	0.231	0.255		10.39	20
2-Hexanone	0.166	0.179		7.83	20
Dibromochloromethane	0.295	0.334		13.22	20
1,2-Dibromoethane	0.215	0.231		7.44	20
Tetrachloroethene	0.330	0.386		16.97	20
Chlorobenzene	1.065	1.227	0.3	15.21	20

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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_Y Calibration Date/Time: 11/08/2024 09:33

Lab File ID: VY020221.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:39 14:52

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.992	2.350		17.97	20
m/p-Xylenes	0.729	0.859		17.83	20
o-Xylene	0.690	0.808		17.1	20
Styrene	1.141	1.371		20.16	20
Bromoform	0.175	0.201	0.1	14.86	20
Isopropylbenzene	3.994	4.721		18.2	20
1,1,2,2-Tetrachloroethane	0.699	0.726	0.3	3.86	20
1,3-Dichlorobenzene	1.641	1.877		14.38	20
1,4-Dichlorobenzene	1.634	1.830		11.99	20
1,2-Dichlorobenzene	1.426	1.635		14.66	20
1,2-Dibromo-3-Chloropropane	0.106	0.107		0.94	20
1,2,4-Trichlorobenzene	0.766	0.872		13.84	20
1,2,3-Trichlorobenzene	0.650	0.716		10.15	20
1,2-Dichloroethane-d4	0.624	0.603		-3.37	20
Dibromofluoromethane	0.318	0.309		-2.83	20
Toluene-d8	1.265	1.242		-1.82	20
4-Bromofluorobenzene	0.411	0.414		0.73	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:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-02	**WC-1(3.5)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP VOA	8260D			11/08/24	
P4722-07	**WC-2(4)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP VOA	8260D			11/11/24	
P4722-12	**WC-3(3)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP VOA	8260D			11/11/24	
P4722-16	**WC-1(5.5)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP VOA	8260D			11/11/24	
P4722-18	**WC-2(2)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP VOA	8260D			11/11/24	
P4722-20	**WC-3(5)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP VOA	8260D			11/11/24	

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Hit Summary Sheet
SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**WC-1(3.5)**							
P4722-02	WC-1(3.5)	TCLP	2-Butanone	7.40	J	1.30	25.0	ug/L
			Total Voc :	7.40				
			Total Concentration:	7.40				
Client ID:	**WC-2(4)**							
P4722-07	WC-2(4)	TCLP	2-Butanone	8.30	J	1.30	25.0	ug/L
			Total Voc :	8.30				
			Total Concentration:	8.30				
Client ID:	**WC-3(3)**							
P4722-12	WC-3(3)	TCLP	2-Butanone	8.00	J	1.30	25.0	ug/L
			Total Voc :	8.00				
			Total Concentration:	8.00				
Client ID:	**WC-1(5.5)**							
P4722-16	WC-1(5.5)	TCLP	2-Butanone	9.00	J	1.30	25.0	ug/L
			Total Voc :	9.00				
			Total Concentration:	9.00				
Client ID:	**WC-2(2)**							
P4722-18	WC-2(2)	TCLP	2-Butanone	7.40	J	1.30	25.0	ug/L
			Total Voc :	7.40				
			Total Concentration:	7.40				
Client ID:	**WC-3(5)**							
P4722-20	WC-3(5)	TCLP	2-Butanone	11.1	J	1.30	25.0	ug/L
			Total Voc :	11.1				
			Total Concentration:	11.1				

SAMPLE DATA

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(3.5)	SDG No.:	P4722
Lab Sample ID:	P4722-02	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084754.D	1		11/08/24 16:56	VN110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	7.40	J	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.7		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	48.5		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	173000	8.224			
540-36-3	1,4-Difluorobenzene	305000	9.1			
3114-55-4	Chlorobenzene-d5	285000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.788			

U = Not Detected
LOQ = Limit of Quantitation
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N = Presumptive Evidence of a Compound
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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(4)	SDG No.:	P4722
Lab Sample ID:	P4722-07	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084770.D	1		11/11/24 14:30	VN111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	8.30	J	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.9		74 - 125	96%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	48.0		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	159000	8.218			
540-36-3	1,4-Difluorobenzene	275000	9.1			
3114-55-4	Chlorobenzene-d5	255000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	116000	13.788			

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(3)	SDG No.:	P4722
Lab Sample ID:	P4722-12	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084771.D	1		11/11/24 14:54	VN111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	8.00	J	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.9		74 - 125	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	47.7		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	166000	8.224			
540-36-3	1,4-Difluorobenzene	286000	9.1			
3114-55-4	Chlorobenzene-d5	267000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	113000	13.788			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(5.5)	SDG No.:	P4722
Lab Sample ID:	P4722-16	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084772.D	1		11/11/24 15:18	VN111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	9.00	J	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	48.4		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	167000	8.224			
540-36-3	1,4-Difluorobenzene	290000	9.1			
3114-55-4	Chlorobenzene-d5	269000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.788			

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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(2)	SDG No.:	P4722
Lab Sample ID:	P4722-18	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084773.D	1		11/11/24 15:42	VN111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	7.40	J	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	48.5		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		77 - 121	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	172000	8.218			
540-36-3	1,4-Difluorobenzene	301000	9.1			
3114-55-4	Chlorobenzene-d5	280000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	128000	13.794			

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

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(5)	SDG No.:	P4722
Lab Sample ID:	P4722-20	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084774.D	1		11/11/24 16:06	VN111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	11.1	J	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	48.0		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	170000	8.218			
540-36-3	1,4-Difluorobenzene	300000	9.1			
3114-55-4	Chlorobenzene-d5	275000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	126000	13.788			

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QC SUMMARY

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

Surrogate Summary

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4722-02	WC-1(3.5)	1,2-Dichloroethane-d4	50	49.8	99	74	125
		Dibromofluoromethane	50	49.1	98	75	124
		Toluene-d8	50	48.5	97	86	113
		4-Bromofluorobenzene	50	50.3	101	77	121
P4722-07	WC-2(4)	1,2-Dichloroethane-d4	50	47.9	96	74	125
		Dibromofluoromethane	50	48.3	97	75	124
		Toluene-d8	50	48.0	96	86	113
		4-Bromofluorobenzene	50	50.1	100	77	121
P4722-12	WC-3(3)	1,2-Dichloroethane-d4	50	47.9	96	74	125
		Dibromofluoromethane	50	49.0	98	75	124
		Toluene-d8	50	47.7	95	86	113
		4-Bromofluorobenzene	50	48.4	97	77	121
P4722-16	WC-1(5.5)	1,2-Dichloroethane-d4	50	49.4	99	74	125
		Dibromofluoromethane	50	48.6	97	75	124
		Toluene-d8	50	48.4	97	86	113
		4-Bromofluorobenzene	50	48.7	97	77	121
P4722-18	WC-2(2)	1,2-Dichloroethane-d4	50	48.7	97	74	125
		Dibromofluoromethane	50	49.4	99	75	124
		Toluene-d8	50	48.5	97	86	113
		4-Bromofluorobenzene	50	49.0	98	77	121
P4722-20	WC-3(5)	1,2-Dichloroethane-d4	50	49.3	99	74	125
		Dibromofluoromethane	50	48.2	96	75	124
		Toluene-d8	50	48.0	96	86	113
		4-Bromofluorobenzene	50	48.3	97	77	121

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Surrogate Summary

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VN1108WBL01	VN1108WBL01	1,2-Dichloroethane-d4	50	48.7	97	74	125
		Dibromofluoromethane	50	48.9	98	75	124
		Toluene-d8	50	45.6	91	86	113
		4-Bromofluorobenzene	50	45.9	92	77	121
VN1108WBS01	VN1108WBS01	1,2-Dichloroethane-d4	50	46.2	92	74	125
		Dibromofluoromethane	50	47.6	95	75	124
		Toluene-d8	50	47.1	94	86	113
		4-Bromofluorobenzene	50	50.6	101	77	121
VN1108WBSD0	VN1108WBSD01	1,2-Dichloroethane-d4	50	47.7	95	74	125
		Dibromofluoromethane	50	47.1	94	75	124
		Toluene-d8	50	47.3	95	86	113
		4-Bromofluorobenzene	50	46.8	94	77	121
VN1111WBL01	VN1111WBL01	1,2-Dichloroethane-d4	50	48.0	96	74	125
		Dibromofluoromethane	50	49.1	98	75	124
		Toluene-d8	50	45.9	92	86	113
		4-Bromofluorobenzene	50	48.1	96	77	121
VN1111WBS01	VN1111WBS01	1,2-Dichloroethane-d4	50	41.8	84	74	125
		Dibromofluoromethane	50	46.0	92	75	124
		Toluene-d8	50	44.8	90	86	113
		4-Bromofluorobenzene	50	46.7	93	77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260-Low **Datafile :** VN084740.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1108WBS01	Vinyl chloride	20	16.2	ug/L	81			65	117	
	1,1-Dichloroethene	20	16.7	ug/L	84			74	110	
	2-Butanone	100	100	ug/L	100			65	122	
	Carbon Tetrachloride	20	19.0	ug/L	95			77	113	
	Chloroform	20	18.8	ug/L	94			79	113	
	Benzene	20	17.7	ug/L	89			82	109	
	1,2-Dichloroethane	20	19.1	ug/L	96			80	115	
	Trichloroethene	20	18.3	ug/L	92			77	113	
	Tetrachloroethene	20	18.3	ug/L	92			67	123	
	Chlorobenzene	20	17.6	ug/L	88			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260-Low **Datafile :** VN084741.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1108WBSD01	Vinyl chloride	20	17.6	ug/L	88	8		65	117	20
	1,1-Dichloroethene	20	17.9	ug/L	90	7		74	110	20
	2-Butanone	100	110	ug/L	110	10		65	122	20
	Carbon Tetrachloride	20	19.1	ug/L	96	1		77	113	20
	Chloroform	20	19.2	ug/L	96	2		79	113	20
	Benzene	20	18.6	ug/L	93	4		82	109	20
	1,2-Dichloroethane	20	19.4	ug/L	97	1		80	115	20
	Trichloroethene	20	18.7	ug/L	94	2		77	113	20
	Tetrachloroethene	20	19.2	ug/L	96	4		67	123	20
	Chlorobenzene	20	18.3	ug/L	92	4		82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260-Low **Datafile :** VN084766.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1111WBS01	Vinyl chloride	20	15.4	ug/L	77			65	117	
	1,1-Dichloroethene	20	16.1	ug/L	81			74	110	
	2-Butanone	100	86.1	ug/L	86			65	122	
	Carbon Tetrachloride	20	19.0	ug/L	95			77	113	
	Chloroform	20	17.7	ug/L	89			79	113	
	Benzene	20	17.5	ug/L	88			82	109	
	1,2-Dichloroethane	20	18.3	ug/L	92			80	115	
	Trichloroethene	20	17.6	ug/L	88			77	113	
	Tetrachloroethene	20	18.4	ug/L	92			67	123	
	Chlorobenzene	20	17.8	ug/L	89			82	109	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1108WBL01

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VN084739.D Lab Sample ID: VN1108WBL01

Date Analyzed: 11/08/2024 Time Analyzed: 10:44

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1108WBS01	VN1108WBS01	VN084740.D	11/08/2024
VN1108WBSD01	VN1108WBSD01	VN084741.D	11/08/2024
WC-1(3.5)	P4722-02	VN084754.D	11/08/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1111WBL01

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VN084765.D Lab Sample ID: VN1111WBL01

Date Analyzed: 11/11/2024 Time Analyzed: 12:30

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1111WBS01	VN1111WBS01	VN084766.D	11/11/2024
WC-2(4)	P4722-07	VN084770.D	11/11/2024
WC-3(3)	P4722-12	VN084771.D	11/11/2024
WC-1(5.5)	P4722-16	VN084772.D	11/11/2024
WC-2(2)	P4722-18	VN084773.D	11/11/2024
WC-3(5)	P4722-20	VN084774.D	11/11/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VN084569.D BFB Injection Date: 10/30/2024

Instrument ID: MSVOA_N BFB Injection Time: 10:42

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.5
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	7.2
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	70.1 (95.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.9) 2

1-Value is % mass 174 2-Value is % mass 176

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
VSTDICC100	VSTDICC100	VN084570.D	10/30/2024	11:46
VSTDICCC050	VSTDICCC050	VN084571.D	10/30/2024	12:09
VSTDICC020	VSTDICC020	VN084572.D	10/30/2024	12:33
VSTDICC010	VSTDICC010	VN084573.D	10/30/2024	12:57
VSTDICC005	VSTDICC005	VN084574.D	10/30/2024	13:21
VSTDICC001	VSTDICC001	VN084575.D	10/30/2024	13:45

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VN084736.D BFB Injection Date: 11/08/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:18

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.2
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	6.4
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	78.5
175	5.0 - 9.0% of mass 174	6.6 (8.4) 1
176	95.0 - 101.0% of mass 174	77.7 (99) 1
177	5.0 - 9.0% of mass 176	4.8 (6.2) 2

1-Value is % mass 174 2-Value is % mass 176

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
VSTDCCC050	VSTDCCC050	VN084737.D	11/08/2024	09:39
VN1108WBL01	VN1108WBL01	VN084739.D	11/08/2024	10:44
VN1108WBS01	VN1108WBS01	VN084740.D	11/08/2024	11:19
VN1108WBSD01	VN1108WBSD01	VN084741.D	11/08/2024	11:43
WC-1(3.5)	P4722-02	VN084754.D	11/08/2024	16:56

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VN084762.D BFB Injection Date: 11/11/2024

Instrument ID: MSVOA_N BFB Injection Time: 10:21

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.1
75	30.0 - 60.0% of mass 95	47.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	73.1
175	5.0 - 9.0% of mass 174	5.8 (8) 1
176	95.0 - 101.0% of mass 174	71.4 (97.6) 1
177	5.0 - 9.0% of mass 176	4.6 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084763.D	11/11/2024	10:54
VN1111WBL01	VN1111WBL01	VN084765.D	11/11/2024	12:30
VN1111WBS01	VN1111WBS01	VN084766.D	11/11/2024	12:54
WC-2(4)	P4722-07	VN084770.D	11/11/2024	14:30
WC-3(3)	P4722-12	VN084771.D	11/11/2024	14:54
WC-1(5.5)	P4722-16	VN084772.D	11/11/2024	15:18
WC-2(2)	P4722-18	VN084773.D	11/11/2024	15:42
WC-3(5)	P4722-20	VN084774.D	11/11/2024	16:06

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VN084737.D Date Analyzed: 11/08/2024

Instrument ID: MSVOA_N Time Analyzed: 09:39

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	183021	8.22	298323	9.10	261810	11.87
UPPER LIMIT	366042	8.718	596646	9.6	523620	12.365
LOWER LIMIT	91510.5	7.718	149162	8.6	130905	11.365
EPA SAMPLE NO.						
WC-1(3.5)	173136	8.22	304734	9.10	285280	11.87
VN1108WBL01	170398	8.22	297081	9.10	255691	11.87
VN1108WBS01	174962	8.22	291201	9.10	262615	11.87
VN1108WBSD01	163813	8.22	277196	9.09	246235	11.87

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: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VN084737.D Date Analyzed: 11/08/2024

Instrument ID: MSVOA_N Time Analyzed: 09:39

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

	IS4 AREA #	RT #				
12 HOUR STD	135765	13.788				
UPPER LIMIT	271530	14.288				
LOWER LIMIT	67882.5	13.288				
EPA SAMPLE NO.						
WC-1(3.5)	132176	13.79				
VN1108WBL01	113797	13.79				
VN1108WBS01	135553	13.79				
VN1108WBSD01	120765	13.79				

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: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VN084763.D Date Analyzed: 11/11/2024

Instrument ID: MSVOA_N Time Analyzed: 10:54

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	166446	8.22	270648	9.10	238712	11.87
UPPER LIMIT	332892	8.718	541296	9.6	477424	12.365
LOWER LIMIT	83223	7.718	135324	8.6	119356	11.365
EPA SAMPLE NO.						
WC-2(4)	158827	8.22	275321	9.10	255227	11.87
WC-3(3)	166359	8.22	285540	9.10	266633	11.87
WC-1(5.5)	166984	8.22	289915	9.10	269271	11.87
WC-2(2)	171996	8.22	301059	9.10	280468	11.87
WC-3(5)	169890	8.22	299832	9.10	275305	11.87
VN1111WBL01	167136	8.22	283115	9.10	253987	11.87
VN1111WBS01	167933	8.22	269161	9.10	238228	11.87

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: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VN084763.D Date Analyzed: 11/11/2024

Instrument ID: MSVOA_N Time Analyzed: 10:54

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

	IS4 AREA #	RT #				
12 HOUR STD	124434	13.788				
UPPER LIMIT	248868	14.288				
LOWER LIMIT	62217	13.288				
EPA SAMPLE NO.						
WC-2(4)	116241	13.79				
WC-3(3)	113376	13.79				
WC-1(5.5)	115191	13.79				
WC-2(2)	127677	13.79				
WC-3(5)	126299	13.79				
VN1111WBL01	115446	13.79				
VN1111WBS01	123082	13.79				

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:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VN1108WBL01	SDG No.:	P4722
Lab Sample ID:	VN1108WBL01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084739.D	1		11/08/24 10:44	VN110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	45.6		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		77 - 121	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	170000	8.218			
540-36-3	1,4-Difluorobenzene	297000	9.1			
3114-55-4	Chlorobenzene-d5	256000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	114000	13.788			

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:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VN1111WBL01	SDG No.:	P4722
Lab Sample ID:	VN1111WBL01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084765.D	1		11/11/24 12:30	VN111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.0		74 - 125	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	45.9		86 - 113	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.1		77 - 121	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	167000	8.224			
540-36-3	1,4-Difluorobenzene	283000	9.1			
3114-55-4	Chlorobenzene-d5	254000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.788			

U = Not Detected
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VN1108WBS01	SDG No.:	P4722
Lab Sample ID:	VN1108WBS01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084740.D	1		11/08/24 11:19	VN110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	16.2		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.7		0.26	1.00	ug/L
78-93-3	2-Butanone	100		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.0		0.25	1.00	ug/L
67-66-3	Chloroform	18.8		0.26	1.00	ug/L
71-43-2	Benzene	17.7		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.1		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.3		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	18.3		0.25	1.00	ug/L
108-90-7	Chlorobenzene	17.6		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.2		74 - 125	92%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		75 - 124	95%	SPK: 50
2037-26-5	Toluene-d8	47.1		86 - 113	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	175000	8.218			
540-36-3	1,4-Difluorobenzene	291000	9.1			
3114-55-4	Chlorobenzene-d5	263000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	136000	13.788			

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

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VN1111WBS01	SDG No.:	P4722
Lab Sample ID:	VN1111WBS01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084766.D	1		11/11/24 12:54	VN111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	15.4		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.1		0.26	1.00	ug/L
78-93-3	2-Butanone	86.1		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.0		0.25	1.00	ug/L
67-66-3	Chloroform	17.7		0.26	1.00	ug/L
71-43-2	Benzene	17.5		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.24	1.00	ug/L
79-01-6	Trichloroethene	17.6		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	18.4		0.25	1.00	ug/L
108-90-7	Chlorobenzene	17.8		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.8		74 - 125	84%	SPK: 50
1868-53-7	Dibromofluoromethane	46.0		75 - 124	92%	SPK: 50
2037-26-5	Toluene-d8	44.8		86 - 113	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		77 - 121	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	168000	8.224			
540-36-3	1,4-Difluorobenzene	269000	9.1			
3114-55-4	Chlorobenzene-d5	238000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.794			

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A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VN1108WBSD01	SDG No.:	P4722
Lab Sample ID:	VN1108WBSD01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084741.D	1		11/08/24 11:43	VN110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	17.6		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.9		0.26	1.00	ug/L
78-93-3	2-Butanone	110		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.1		0.25	1.00	ug/L
67-66-3	Chloroform	19.2		0.26	1.00	ug/L
71-43-2	Benzene	18.6		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.4		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.7		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.3		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.7		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1		75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	47.3		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		77 - 121	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	164000	8.218			
540-36-3	1,4-Difluorobenzene	277000	9.094			
3114-55-4	Chlorobenzene-d5	246000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.788			

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CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

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

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Vinyl Chloride	0.613	0.605	0.623	0.636	0.651	0.581	0.618	4
1,1-Dichloroethene	0.548	0.538	0.560	0.575	0.552	0.644	0.569	6.8
2-Butanone	0.316	0.315	0.348	0.338	0.370	0.334	0.337	6.1
Carbon Tetrachloride	0.530	0.514	0.532	0.548	0.537	0.488	0.525	4
Chloroform	1.099	1.086	1.142	1.154	1.222	1.025	1.121	6
Benzene	1.494	1.448	1.509	1.507	1.546	1.540	1.507	2.4
1,2-Dichloroethane	0.488	0.494	0.493	0.492	0.503	0.459	0.488	3.1
Trichloroethene	0.339	0.335	0.345	0.338	0.341	0.387	0.348	5.7
Tetrachloroethene	0.326	0.313	0.333	0.347	0.351	0.325	0.333	4.3
Chlorobenzene	1.068	1.061	1.149	1.123	1.165	1.146	1.119	3.9
1,2-Dichloroethane-d4	0.689	0.721	0.708	0.722	0.771		0.722	4.2
Dibromofluoromethane	0.334	0.344	0.326	0.336	0.353		0.338	3.1
Toluene-d8	1.267	1.303	1.216	1.231	1.217		1.247	3
4-Bromofluorobenzene	0.481	0.493	0.450	0.451	0.454		0.466	4.3

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_N Calibration Date/Time: 11/08/2024 09:39

Lab File ID: VN084737.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.618	0.547		-11.49	20
1,1-Dichloroethene	0.569	0.508		-10.72	20
2-Butanone	0.337	0.361		7.12	20
Carbon Tetrachloride	0.525	0.529		0.76	20
Chloroform	1.121	1.095		-2.32	20
Benzene	1.507	1.426		-5.38	20
1,2-Dichloroethane	0.488	0.484		-0.82	20
Trichloroethene	0.348	0.335		-3.74	20
Tetrachloroethene	0.333	0.341		2.4	20
Chlorobenzene	1.119	1.084	0.3	-3.13	20
1,2-Dichloroethane-d4	0.722	0.672		-6.93	20
Dibromofluoromethane	0.338	0.337		-0.3	20
Toluene-d8	1.247	1.241		-0.48	20
4-Bromofluorobenzene	0.466	0.466		0	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_N Calibration Date/Time: 11/11/2024 10:54

Lab File ID: VN084763.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.618	0.542		-12.3	20
1,1-Dichloroethene	0.569	0.521		-8.44	20
2-Butanone	0.337	0.376		11.57	20
Carbon Tetrachloride	0.525	0.542		3.24	20
Chloroform	1.121	1.129		0.71	20
Benzene	1.507	1.478		-1.92	20
1,2-Dichloroethane	0.488	0.503		3.07	20
Trichloroethene	0.348	0.337		-3.16	20
Tetrachloroethene	0.333	0.338		1.5	20
Chlorobenzene	1.119	1.110	0.3	-0.8	20
1,2-Dichloroethane-d4	0.722	0.679		-5.96	20
Dibromofluoromethane	0.338	0.342		1.18	20
Toluene-d8	1.247	1.214		-2.65	20
4-Bromofluorobenzene	0.466	0.484		3.86	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:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-02	**WC-1(3.5)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP VOA	8260D			11/08/24	
P4722-05	**WC-1(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP VOA	8260D			11/13/24	
P4722-07	**WC-2(4)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP VOA	8260D			11/11/24	
P4722-10	**WC-2(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP VOA	8260D			11/13/24	
P4722-12	**WC-3(3)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP VOA	8260D			11/11/24	
P4722-15	**WC-3(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP VOA	8260D			11/13/24	
P4722-16	**WC-1(5.5)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP VOA	8260D			11/11/24	
P4722-18	**WC-2(2)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP VOA	8260D			11/11/24	
P4722-20	**WC-3(5)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP VOA	8260D			11/11/24	

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**WC-1(0-6)**							
P4722-05	WC-1(0-6)	WATER	Acetone	7.40	J	1.40	25.0	ug/L
P4722-05	WC-1(0-6)	WATER	Methylene Chloride	3.20	J	0.32	5.00	ug/L
P4722-05	WC-1(0-6)	WATER	1,2,4-Trichlorobenzene	1.00	J	0.42	5.00	ug/L
P4722-05	WC-1(0-6)	WATER	1,2,3-Trichlorobenzene	1.10	J	0.51	5.00	ug/L
			Total Voc :	12.7				
			Total Concentration:	12.7				
Client ID:	**WC-2(0-6)**							
P4722-10	WC-2(0-6)	WATER	Acetone	6.10	J	1.40	25.0	ug/L
P4722-10	WC-2(0-6)	WATER	Methylene Chloride	15.5		0.32	5.00	ug/L
			Total Voc :	21.6				
			Total Concentration:	21.6				
Client ID:	**WC-3(0-6)**							
P4722-15	WC-3(0-6)	WATER	Methylene Chloride	1.30	J	0.32	5.00	ug/L
			Total Voc :	1.30				
			Total Concentration:	1.30				

SAMPLE DATA

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

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	SPLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084824.D	1		11/13/24 14:24	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	5.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	5.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
67-64-1	Acetone	7.40	J	1.40	25.0	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	5.00	ug/L
75-09-2	Methylene Chloride	3.20	J	0.32	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	5.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	5.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	5.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	25.0	ug/L
108-88-3	Toluene	0.18	U	0.18	5.00	ug/L

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	SPLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084824.D	1		11/13/24 14:24	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	25.0	ug/L
124-48-1	Dibromochloromethane	0.18	UQ	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	5.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	10.0	ug/L
95-47-6	o-Xylene	0.14	UQ	0.14	5.00	ug/L
100-42-5	Styrene	0.16	U	0.16	5.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	5.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	J	0.42	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.10	J	0.51	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	45.8		86 - 113	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		77 - 121	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	159000	8.218			
540-36-3	1,4-Difluorobenzene	275000	9.094			
3114-55-4	Chlorobenzene-d5	235000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	107000	13.788			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	SPLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084824.D	1		11/13/24 14:24	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	SPLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084825.D	1		11/13/24 14:48	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	5.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	5.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
67-64-1	Acetone	6.10	J	1.40	25.0	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	5.00	ug/L
75-09-2	Methylene Chloride	15.5		0.32	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	5.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	5.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	5.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	25.0	ug/L
108-88-3	Toluene	0.18	U	0.18	5.00	ug/L

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	SPLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084825.D	1		11/13/24 14:48	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	25.0	ug/L
124-48-1	Dibromochloromethane	0.18	UQ	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	5.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	10.0	ug/L
95-47-6	o-Xylene	0.14	UQ	0.14	5.00	ug/L
100-42-5	Styrene	0.16	U	0.16	5.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	5.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.9		74 - 125	96%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	45.9		86 - 113	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3		77 - 121	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	172000	8.218			
540-36-3	1,4-Difluorobenzene	295000	9.094			
3114-55-4	Chlorobenzene-d5	255000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	118000	13.788			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	SPLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084825.D	1		11/13/24 14:48	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-15	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	SPLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084826.D	1		11/13/24 15:12	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	5.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	5.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
67-64-1	Acetone	1.40	U	1.40	25.0	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	5.00	ug/L
75-09-2	Methylene Chloride	1.30	J	0.32	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	5.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	5.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	5.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	25.0	ug/L
108-88-3	Toluene	0.18	U	0.18	5.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-15	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	SPLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084826.D	1		11/13/24 15:12	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	25.0	ug/L
124-48-1	Dibromochloromethane	0.18	UQ	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	5.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	10.0	ug/L
95-47-6	o-Xylene	0.14	UQ	0.14	5.00	ug/L
100-42-5	Styrene	0.16	U	0.16	5.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	5.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.5		74 - 125	93%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	45.9		86 - 113	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.8		77 - 121	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	181000	8.218			
540-36-3	1,4-Difluorobenzene	309000	9.1			
3114-55-4	Chlorobenzene-d5	269000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	122000	13.788			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-15	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	SPLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084826.D	1		11/13/24 15:12	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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,
Fax : 908 789 8922

Surrogate Summary

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4722-05	WC-1(0-6)	1,2-Dichloroethane-d4	50	48.3	97	74	125
		Dibromofluoromethane	50	47.8	96	75	124
		Toluene-d8	50	45.8	92	86	113
		4-Bromofluorobenzene	50	46.8	94	77	121
P4722-10	WC-2(0-6)	1,2-Dichloroethane-d4	50	47.9	96	74	125
		Dibromofluoromethane	50	48.4	97	75	124
		Toluene-d8	50	45.9	92	86	113
		4-Bromofluorobenzene	50	46.3	93	77	121
P4722-15	WC-3(0-6)	1,2-Dichloroethane-d4	50	46.5	93	74	125
		Dibromofluoromethane	50	48.3	97	75	124
		Toluene-d8	50	45.9	92	86	113
		4-Bromofluorobenzene	50	44.8	90	77	121

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Surrogate Summary

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VN1113WBL01	VN1113WBL01	1,2-Dichloroethane-d4	50	49.5	99	74	125
		Dibromofluoromethane	50	50.0	100	75	124
		Toluene-d8	50	46.6	93	86	113
		4-Bromofluorobenzene	50	45.8	92	77	121
VN1113WBS01	VN1113WBS01	1,2-Dichloroethane-d4	50	46.4	93	74	125
		Dibromofluoromethane	50	49.9	100	75	124
		Toluene-d8	50	49.2	98	86	113
		4-Bromofluorobenzene	50	51.2	102	77	121
VN1113WBSD0	VN1113WBSD01	1,2-Dichloroethane-d4	50	45.4	91	74	125
		Dibromofluoromethane	50	48.6	97	75	124
		Toluene-d8	50	47.8	96	86	113
		4-Bromofluorobenzene	50	51.0	102	77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260-Low **Datafile :** VN084822.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1113WBS01	Dichlorodifluoromethane	20	17.7	ug/L	89			69	116	
	Chloromethane	20	15.0	ug/L	75			65	116	
	Vinyl chloride	20	20.1	ug/L	101			65	117	
	Bromomethane	20	19.6	ug/L	98			58	125	
	Chloroethane	20	20.9	ug/L	104			56	128	
	Trichlorofluoromethane	20	18.3	ug/L	92			73	115	
	1,1,2-Trichlorotrifluoroethane	20	18.4	ug/L	92			80	112	
	1,1-Dichloroethene	20	17.5	ug/L	88			74	110	
	Acetone	100	89.8	ug/L	90			60	125	
	Carbon disulfide	20	15.6	ug/L	78			64	112	
	Methyl tert-butyl Ether	20	18.8	ug/L	94			78	114	
	Methyl Acetate	20	13.3	ug/L	67			67	125	
	Methylene Chloride	20	17.5	ug/L	88			72	114	
	trans-1,2-Dichloroethene	20	17.5	ug/L	88			75	108	
	1,1-Dichloroethane	20	18.0	ug/L	90			78	112	
	Cyclohexane	20	18.1	ug/L	91			75	110	
	2-Butanone	100	91.6	ug/L	92			65	122	
	Carbon Tetrachloride	20	20.1	ug/L	101			77	113	
	cis-1,2-Dichloroethene	20	18.3	ug/L	92			77	110	
	Bromochloromethane	20	20.9	ug/L	104			70	124	
	Chloroform	20	18.9	ug/L	95			79	113	
	1,1,1-Trichloroethane	20	18.9	ug/L	95			80	108	
	Methylcyclohexane	20	19.8	ug/L	99			72	115	
	Benzene	20	18.5	ug/L	93			82	109	
	1,2-Dichloroethane	20	19.0	ug/L	95			80	115	
	Trichloroethene	20	19.2	ug/L	96			77	113	
	1,2-Dichloropropane	20	19.3	ug/L	97			83	111	
	Bromodichloromethane	20	19.3	ug/L	97			83	110	
	4-Methyl-2-Pentanone	100	98.0	ug/L	98			74	118	
	Toluene	20	20.0	ug/L	100			82	110	
	t-1,3-Dichloropropene	20	18.2	ug/L	91			79	110	
	cis-1,3-Dichloropropene	20	19.2	ug/L	96			82	110	
	1,1,2-Trichloroethane	20	19.5	ug/L	98			83	112	
	2-Hexanone	100	99.3	ug/L	99			73	117	
	Dibromochloromethane	20	19.6	ug/L	98			82	110	
	1,2-Dibromoethane	20	19.1	ug/L	96			81	110	
	Tetrachloroethene	20	20.6	ug/L	103			67	123	
	Chlorobenzene	20	18.9	ug/L	95			82	109	
	Ethyl Benzene	20	19.7	ug/L	99			83	109	
	m/p-Xylenes	40	39.9	ug/L	100			82	110	
	o-Xylene	20	20.9	ug/L	104			83	109	
	Styrene	20	19.8	ug/L	99			80	111	
	Bromoform	20	19.5	ug/L	98			79	109	
	Isopropylbenzene	20	19.1	ug/L	96			83	112	
	1,1,2,2-Tetrachloroethane	20	17.5	ug/L	88			76	118	
	1,3-Dichlorobenzene	20	16.9	ug/L	85			82	108	
	1,4-Dichlorobenzene	20	18.5	ug/L	93			82	107	
	1,2-Dichlorobenzene	20	17.8	ug/L	89			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260-Low **Datafile :** VN084822.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1113WBS01	1,2-Dibromo-3-Chloropropane	20	16.2	ug/L	81			68	112	
	1,2,4-Trichlorobenzene	20	16.1	ug/L	81			75	113	
	1,2,3-Trichlorobenzene	20	15.7	ug/L	79			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260-Low **Datafile :** VN084823.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1113WBSD01	Dichlorodifluoromethane	20	20.5	ug/L	103	15		69	116	20
	Chloromethane	20	17.0	ug/L	85	13		65	116	20
	Vinyl chloride	20	21.9	ug/L	110	9		65	117	20
	Bromomethane	20	21.4	ug/L	107	9		58	125	20
	Chloroethane	20	22.6	ug/L	113	8		56	128	20
	Trichlorofluoromethane	20	20.9	ug/L	104	12		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/L	106	14		80	112	20
	1,1-Dichloroethene	20	19.8	ug/L	99	12		74	110	20
	Acetone	100	100	ug/L	100	11		60	125	20
	Carbon disulfide	20	18.2	ug/L	91	15		64	112	20
	Methyl tert-butyl Ether	20	21.4	ug/L	107	13		78	114	20
	Methyl Acetate	20	16.3	ug/L	81	19		67	125	20
	Methylene Chloride	20	20.5	ug/L	103	16		72	114	20
	trans-1,2-Dichloroethene	20	20.1	ug/L	101	14		75	108	20
	1,1-Dichloroethane	20	20.1	ug/L	101	12		78	112	20
	Cyclohexane	20	20.4	ug/L	102	11		75	110	20
	2-Butanone	100	100	ug/L	100	8		65	122	20
	Carbon Tetrachloride	20	21.9	ug/L	110	9		77	113	20
	cis-1,2-Dichloroethene	20	20.5	ug/L	103	11		77	110	20
	Bromochloromethane	20	20.9	ug/L	104	0		70	124	20
	Chloroform	20	21.5	ug/L	108	13		79	113	20
	1,1,1-Trichloroethane	20	21.0	ug/L	105	10		80	108	20
	Methylcyclohexane	20	21.8	ug/L	109	10		72	115	20
	Benzene	20	20.7	ug/L	104	11		82	109	20
	1,2-Dichloroethane	20	21.5	ug/L	108	13		80	115	20
	Trichloroethene	20	22.3	ug/L	112	15		77	113	20
	1,2-Dichloropropane	20	21.0	ug/L	105	8		83	111	20
	Bromodichloromethane	20	21.4	ug/L	107	10		83	110	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	12		74	118	20
	Toluene	20	21.4	ug/L	107	7		82	110	20
	t-1,3-Dichloropropene	20	20.5	ug/L	103	12		79	110	20
	cis-1,3-Dichloropropene	20	21.0	ug/L	105	9		82	110	20
	1,1,2-Trichloroethane	20	21.2	ug/L	106	8		83	112	20
	2-Hexanone	100	110	ug/L	110	11		73	117	20
	Dibromochloromethane	20	23.0	ug/L	115	16	*	82	110	20
	1,2-Dibromoethane	20	20.8	ug/L	104	8		81	110	20
	Tetrachloroethene	20	22.0	ug/L	110	7		67	123	20
	Chlorobenzene	20	20.5	ug/L	103	8		82	109	20
	Ethyl Benzene	20	21.0	ug/L	105	6		83	109	20
	m/p-Xylenes	40	42.9	ug/L	107	7		82	110	20
	o-Xylene	20	22.0	ug/L	110	6	*	83	109	20
	Styrene	20	21.5	ug/L	108	9		80	111	20
	Bromoform	20	21.7	ug/L	109	11		79	109	20
	Isopropylbenzene	20	19.9	ug/L	100	4		83	112	20
	1,1,2,2-Tetrachloroethane	20	18.8	ug/L	94	7		76	118	20
	1,3-Dichlorobenzene	20	18.4	ug/L	92	8		82	108	20
	1,4-Dichlorobenzene	20	19.7	ug/L	99	6		82	107	20
	1,2-Dichlorobenzene	20	18.6	ug/L	93	4		82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260-Low **Datafile :** VN084823.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1113WBSD01	1,2-Dibromo-3-Chloropropane	20	19.1	ug/L	96	17		68	112	20
	1,2,4-Trichlorobenzene	20	17.8	ug/L	89	9		75	113	20
	1,2,3-Trichlorobenzene	20	17.3	ug/L	86	8		76	114	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1113WBL01

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VN084817.D Lab Sample ID: VN1113WBL01

Date Analyzed: 11/13/2024 Time Analyzed: 10:50

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1113WBS01	VN1113WBS01	VN084822.D	11/13/2024
VN1113WBSD01	VN1113WBSD01	VN084823.D	11/13/2024
WC-1(0-6)	P4722-05	VN084824.D	11/13/2024
WC-2(0-6)	P4722-10	VN084825.D	11/13/2024
WC-3(0-6)	P4722-15	VN084826.D	11/13/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VN084569.D BFB Injection Date: 10/30/2024

Instrument ID: MSVOA_N BFB Injection Time: 10:42

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.5
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	7.2
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	70.1 (95.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.9) 2

1-Value is % mass 174 2-Value is % mass 176

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
VSTDICC100	VSTDICC100	VN084570.D	10/30/2024	11:46
VSTDICCC050	VSTDICCC050	VN084571.D	10/30/2024	12:09
VSTDICC020	VSTDICC020	VN084572.D	10/30/2024	12:33
VSTDICC010	VSTDICC010	VN084573.D	10/30/2024	12:57
VSTDICC005	VSTDICC005	VN084574.D	10/30/2024	13:21
VSTDICC001	VSTDICC001	VN084575.D	10/30/2024	13:45

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VN084814.D BFB Injection Date: 11/13/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:53

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.2
75	30.0 - 60.0% of mass 95	50.4
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	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	76.3
175	5.0 - 9.0% of mass 174	5.7 (7.5) 1
176	95.0 - 101.0% of mass 174	75.8 (99.3) 1
177	5.0 - 9.0% of mass 176	5 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084815.D	11/13/2024	09:52
VN1113WBL01	VN1113WBL01	VN084817.D	11/13/2024	10:50
VN1113WBS01	VN1113WBS01	VN084822.D	11/13/2024	13:24
VN1113WBSD01	VN1113WBSD01	VN084823.D	11/13/2024	14:00
WC-1(0-6)	P4722-05	VN084824.D	11/13/2024	14:24
WC-2(0-6)	P4722-10	VN084825.D	11/13/2024	14:48
WC-3(0-6)	P4722-15	VN084826.D	11/13/2024	15:12

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VN084815.D Date Analyzed: 11/13/2024

Instrument ID: MSVOA_N Time Analyzed: 09:52

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	176295	8.22	281546	9.09	243058	11.87
UPPER LIMIT	352590	8.718	563092	9.594	486116	12.365
LOWER LIMIT	88147.5	7.718	140773	8.594	121529	11.365
EPA SAMPLE NO.						
WC-1(0-6)	158761	8.22	275207	9.09	235054	11.87
WC-2(0-6)	172472	8.22	295434	9.09	255475	11.87
WC-3(0-6)	181188	8.22	309126	9.10	268522	11.87
VN1113WBL01	177026	8.22	303081	9.09	266497	11.87
VN1113WBS01	193540	8.22	311172	9.10	273249	11.87
VN1113WBSD01	144835	8.22	235271	9.10	211677	11.87

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: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: VN084815.D Date Analyzed: 11/13/2024

Instrument ID: MSVOA_N Time Analyzed: 09:52

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

	IS4 AREA #	RT #				
12 HOUR STD	126719	13.788				
UPPER LIMIT	253438	14.288				
LOWER LIMIT	63359.5	13.288				
EPA SAMPLE NO.						
WC-1(0-6)	107145	13.79				
WC-2(0-6)	118407	13.79				
WC-3(0-6)	121632	13.79				
VN1113WBL01	115573	13.79				
VN1113WBS01	141208	13.79				
VN1113WBSD01	110546	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VN1113WBL01	SDG No.:	P4722
Lab Sample ID:	VN1113WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	SPLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084817.D	1		11/13/24 10:50	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VN1113WBL01	SDG No.:	P4722
Lab Sample ID:	VN1113WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	SPLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084817.D	1		11/13/24 10:50	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	46.6		86 - 113	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.8		77 - 121	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	177000	8.218			
540-36-3	1,4-Difluorobenzene	303000	9.094			
3114-55-4	Chlorobenzene-d5	266000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	116000	13.788			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VN1113WBL01	SDG No.:	P4722
Lab Sample ID:	VN1113WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	SPLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084817.D	1		11/13/24 10:50	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VN1113WBS01	SDG No.:	P4722
Lab Sample ID:	VN1113WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	SPLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084822.D	1		11/13/24 13:24	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.7		0.21	1.00	ug/L
74-87-3	Chloromethane	15.0		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	20.1		0.34	1.00	ug/L
74-83-9	Bromomethane	19.6		1.40	5.00	ug/L
75-00-3	Chloroethane	20.9		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.3		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.4		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.5		0.26	1.00	ug/L
67-64-1	Acetone	89.8		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	15.6		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.8		0.16	1.00	ug/L
79-20-9	Methyl Acetate	13.3		0.60	1.00	ug/L
75-09-2	Methylene Chloride	17.5		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.5		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.1		1.60	5.00	ug/L
78-93-3	2-Butanone	91.6		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.1		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.3		0.25	1.00	ug/L
74-97-5	Bromochloromethane	20.9		0.18	1.00	ug/L
67-66-3	Chloroform	18.9		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.9		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	19.8		0.19	1.00	ug/L
71-43-2	Benzene	18.5		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.0		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.3		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	19.3		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.0		0.75	5.00	ug/L
108-88-3	Toluene	20.0		0.18	1.00	ug/L

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VN1113WBS01	SDG No.:	P4722
Lab Sample ID:	VN1113WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	SPLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084822.D	1		11/13/24 13:24	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.2		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.2		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.5		0.21	1.00	ug/L
591-78-6	2-Hexanone	99.3		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.6		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.1		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	20.6		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.9		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	19.7		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	39.9		0.31	2.00	ug/L
95-47-6	o-Xylene	20.9		0.14	1.00	ug/L
100-42-5	Styrene	19.8		0.16	1.00	ug/L
75-25-2	Bromoform	19.5		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.1		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.5		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	16.9		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.5		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.8		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.2		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.1		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.7		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.4		74 - 125	93%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	49.2		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		77 - 121	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	194000	8.224			
540-36-3	1,4-Difluorobenzene	311000	9.1			
3114-55-4	Chlorobenzene-d5	273000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.788			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VN1113WBS01	SDG No.:	P4722
Lab Sample ID:	VN1113WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	SPLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084822.D	1		11/13/24 13:24	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VN1113WBSD01	SDG No.:	P4722
Lab Sample ID:	VN1113WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	SPLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084823.D	1		11/13/24 14:00	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.5		0.21	1.00	ug/L
74-87-3	Chloromethane	17.0		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	21.9		0.34	1.00	ug/L
74-83-9	Bromomethane	21.4		1.40	5.00	ug/L
75-00-3	Chloroethane	22.6		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.9		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.8		0.26	1.00	ug/L
67-64-1	Acetone	100		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	18.2		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.4		0.16	1.00	ug/L
79-20-9	Methyl Acetate	16.3		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.5		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.1		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.1		0.23	1.00	ug/L
110-82-7	Cyclohexane	20.4		1.60	5.00	ug/L
78-93-3	2-Butanone	100		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.9		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.5		0.25	1.00	ug/L
74-97-5	Bromochloromethane	20.9		0.18	1.00	ug/L
67-66-3	Chloroform	21.5		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.0		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	21.8		0.19	1.00	ug/L
71-43-2	Benzene	20.7		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.5		0.24	1.00	ug/L
79-01-6	Trichloroethene	22.3		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.0		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	21.4		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	5.00	ug/L
108-88-3	Toluene	21.4		0.18	1.00	ug/L

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VN1113WBSD01	SDG No.:	P4722
Lab Sample ID:	VN1113WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	SPLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084823.D	1		11/13/24 14:00	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.5		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.0		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.2		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	23.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.8		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	22.0		0.25	1.00	ug/L
108-90-7	Chlorobenzene	20.5		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	21.0		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	42.9		0.31	2.00	ug/L
95-47-6	o-Xylene	22.0		0.14	1.00	ug/L
100-42-5	Styrene	21.5		0.16	1.00	ug/L
75-25-2	Bromoform	21.7		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.9		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.8		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.4		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.7		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.6		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.8		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.3		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.4		74 - 125	91%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	47.8		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		77 - 121	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	145000	8.218			
540-36-3	1,4-Difluorobenzene	235000	9.1			
3114-55-4	Chlorobenzene-d5	212000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.788			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VN1113WBSD01	SDG No.:	P4722
Lab Sample ID:	VN1113WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	SPLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084823.D	1		11/13/24 14:00	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

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

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.571	0.552	0.552	0.598	0.594	0.581	0.575	3.4
Chloromethane	0.658	0.672	0.725	0.871	0.995	1.789	0.952	45.2
Vinyl Chloride	0.613	0.605	0.623	0.636	0.651	0.581	0.618	4
Bromomethane	0.292	0.296	0.310	0.336	0.405		0.328	14.2
Chloroethane	0.378	0.376	0.413	0.426	0.475	0.863	0.488	38.3
Trichlorofluoromethane	0.971	0.959	1.017	1.022	1.070	1.071	1.018	4.7
1,1,2-Trichlorotrifluoroethane	0.566	0.557	0.571	0.585	0.588	0.586	0.575	2.2
1,1-Dichloroethene	0.548	0.538	0.560	0.575	0.552	0.644	0.569	6.8
Acetone	0.209	0.204	0.213	0.223	0.241	0.338	0.238	21.3
Carbon Disulfide	1.604	1.603	1.700	1.714	1.784	2.117	1.753	10.9
Methyl tert-butyl Ether	1.773	1.758	1.802	1.779	1.786	1.572	1.745	4.9
Methyl Acetate	0.731	0.749	0.954	1.044	1.266	2.291	1.172	49.7
Methylene Chloride	0.604	0.602	0.633	0.658	0.714	0.600	0.635	7.1
trans-1,2-Dichloroethene	0.565	0.563	0.596	0.600	0.584	0.601	0.585	2.9
1,1-Dichloroethane	1.067	1.066	1.114	1.127	1.203	1.033	1.102	5.5
Cyclohexane	0.956	0.938	0.956	1.043	1.093		0.997	6.8
2-Butanone	0.316	0.315	0.348	0.338	0.370	0.334	0.337	6.1
Carbon Tetrachloride	0.530	0.514	0.532	0.548	0.537	0.488	0.525	4
cis-1,2-Dichloroethene	0.675	0.662	0.697	0.685	0.705	0.673	0.683	2.4
Bromochloromethane	0.483	0.511	0.388	0.415	0.408	0.429	0.439	10.8
Chloroform	1.099	1.086	1.142	1.154	1.222	1.025	1.121	6
1,1,1-Trichloroethane	1.000	0.991	1.046	1.073	1.032	0.980	1.021	3.5
Methylcyclohexane	0.546	0.509	0.495	0.487	0.458	0.371	0.478	12.5
Benzene	1.494	1.448	1.509	1.507	1.546	1.540	1.507	2.4
1,2-Dichloroethane	0.488	0.494	0.493	0.492	0.503	0.459	0.488	3.1
Trichloroethene	0.339	0.335	0.345	0.338	0.341	0.387	0.348	5.7
1,2-Dichloropropane	0.356	0.348	0.358	0.357	0.373	0.330	0.354	4
Bromodichloromethane	0.528	0.521	0.526	0.522	0.529	0.530	0.526	0.7
4-Methyl-2-Pentanone	0.424	0.423	0.416	0.417	0.412	0.344	0.406	7.6
Toluene	0.923	0.899	0.919	0.902	0.891	0.757	0.882	7.1

* 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: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

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

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.552	0.543	0.538	0.532	0.547	0.555	0.544	1.6
cis-1,3-Dichloropropene	0.592	0.581	0.582	0.569	0.584	0.548	0.576	2.7
1,1,2-Trichloroethane	0.336	0.329	0.334	0.342	0.342	0.309	0.332	3.7
2-Hexanone	0.314	0.312	0.301	0.297	0.294	0.256	0.296	7.1
Dibromochloromethane	0.404	0.394	0.391	0.393	0.377	0.312	0.378	8.9
1,2-Dibromoethane	0.340	0.333	0.341	0.335	0.355	0.336	0.340	2.4
Tetrachloroethene	0.326	0.313	0.333	0.347	0.351	0.325	0.333	4.3
Chlorobenzene	1.068	1.061	1.149	1.123	1.165	1.146	1.119	3.9
Ethyl Benzene	1.957	1.891	1.928	1.880	1.849	1.697	1.867	4.9
m/p-Xylenes	0.737	0.728	0.737	0.701	0.683	0.654	0.707	4.8
o-Xylene	0.703	0.690	0.701	0.679	0.645	0.550	0.661	8.9
Styrene	1.223	1.205	1.206	1.144	1.093	1.050	1.154	6.1
Bromoform	0.287	0.295	0.298	0.289	0.302	0.286	0.293	2.3
Isopropylbenzene	3.558	3.570	3.701	3.605	3.402	3.188	3.504	5.2
1,1,2,2-Tetrachloroethane	1.052	1.073	1.163	1.190	1.317	1.222	1.170	8.4
1,3-Dichlorobenzene	1.642	1.668	1.770	1.802	1.884	2.264	1.838	12.3
1,4-Dichlorobenzene	1.646	1.674	1.782	1.867	1.879	2.773	1.937	21.7
1,2-Dichlorobenzene	1.601	1.618	1.748	1.732	1.879	2.021	1.766	9.1
1,2-Dibromo-3-Chloropropane	0.204	0.217	0.229	0.226	0.274	0.272	0.237	12.3
1,2,4-Trichlorobenzene	0.852	0.865	0.895	0.881	0.956	1.353	0.967	19.9
1,2,3-Trichlorobenzene	0.832	0.841	0.953	0.877	0.939	1.189	0.939	14.1
1,2-Dichloroethane-d4	0.689	0.721	0.708	0.722	0.771		0.722	4.2
Dibromofluoromethane	0.334	0.344	0.326	0.336	0.353		0.338	3.1
Toluene-d8	1.267	1.303	1.216	1.231	1.217		1.247	3
4-Bromofluorobenzene	0.481	0.493	0.450	0.451	0.454		0.466	4.3

* 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 CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_N Calibration Date/Time: 11/13/2024 09:52

Lab File ID: VN084815.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.575	0.546		-5.04	20
Chloromethane	0.952	0.608	0.1	-36.13	20
Vinyl Chloride	0.618	0.665		7.61	20
Bromomethane	0.328	0.336		2.44	20
Chloroethane	0.488	0.417		-14.55	20
Trichlorofluoromethane	1.018	1.038		1.97	20
1,1,2-Trichlorotrifluoroethane	0.575	0.578		0.52	20
1,1-Dichloroethene	0.569	0.539		-5.27	20
Acetone	0.238	0.205		-13.87	20
Carbon Disulfide	1.753	1.531		-12.66	20
Methyl tert-butyl Ether	1.745	1.800		3.15	20
Methyl Acetate	1.172	0.631		-46.16	20
Methylene Chloride	0.635	0.600		-5.51	20
trans-1,2-Dichloroethene	0.585	0.566		-3.25	20
1,1-Dichloroethane	1.102	1.068	0.1	-3.09	20
Cyclohexane	0.997	0.913		-8.43	20
2-Butanone	0.337	0.325		-3.56	20
Carbon Tetrachloride	0.525	0.567		8	20
cis-1,2-Dichloroethene	0.683	0.673		-1.46	20
Bromochloromethane	0.439	0.474		7.97	20
Chloroform	1.121	1.116		-0.45	20
1,1,1-Trichloroethane	1.021	1.034		1.27	20
Methylcyclohexane	0.478	0.545		14.02	20
Benzene	1.507	1.535		1.86	20
1,2-Dichloroethane	0.488	0.515		5.53	20
Trichloroethene	0.348	0.357		2.59	20
1,2-Dichloropropane	0.354	0.368		3.95	20
Bromodichloromethane	0.526	0.545		3.61	20
4-Methyl-2-Pentanone	0.406	0.412		1.48	20
Toluene	0.882	0.942		6.8	20
t-1,3-Dichloropropene	0.544	0.546		0.37	20
cis-1,3-Dichloropropene	0.576	0.603		4.69	20
1,1,2-Trichloroethane	0.332	0.345		3.92	20
2-Hexanone	0.296	0.312		5.41	20
Dibromochloromethane	0.378	0.403		6.61	20
1,2-Dibromoethane	0.340	0.339		-0.29	20
Tetrachloroethene	0.333	0.370		11.11	20
Chlorobenzene	1.119	1.142	0.3	2.06	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: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: MSVOA_N Calibration Date/Time: 11/13/2024 09:52

Lab File ID: VN084815.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.867	2.028		8.62	20
m/p-Xylenes	0.707	0.777		9.9	20
o-Xylene	0.661	0.751		13.62	20
Styrene	1.154	1.259		9.1	20
Bromoform	0.293	0.315	0.1	7.51	20
Isopropylbenzene	3.504	3.640		3.88	20
1,1,2,2-Tetrachloroethane	1.170	1.056	0.3	-9.74	20
1,3-Dichlorobenzene	1.838	1.698		-7.62	20
1,4-Dichlorobenzene	1.937	1.702		-12.13	20
1,2-Dichlorobenzene	1.766	1.640		-7.14	20
1,2-Dibromo-3-Chloropropane	0.237	0.194		-18.14	20
1,2,4-Trichlorobenzene	0.967	0.823		-14.89	20
1,2,3-Trichlorobenzene	0.939	0.834		-11.18	20
1,2-Dichloroethane-d4	0.722	0.681		-5.68	20
Dibromofluoromethane	0.338	0.348		2.96	20
Toluene-d8	1.247	1.247		0	20
4-Bromofluorobenzene	0.466	0.482		3.43	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:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-03	**WC-1(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Gasoline Range Organics	8015D			11/08/24	
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-03DL	**WC-1(0-6)DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-08	**WC-2(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Gasoline Range Organics	8015D			11/07/24	
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-08DL	**WC-2(0-6)DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-13	**WC-3(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Gasoline Range Organics	8015D			11/08/24	
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-13DL	**WC-3(0-6)DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH_NF	NJEPH		11/07/24	11/08/24	

SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-03	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	93.8 Decanted:
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031165.D	50	11/08/24 11:15	FB110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	985	J	412	2400	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.9		50 - 150	85%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-08	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	90.1 Decanted:
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031151.D	1	11/07/24 22:57	FB110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	8.00	U	8.00	49.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	10.0		50 - 150	50%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-13	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86.6 Decanted:
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031156.D	50	11/08/24 1:10	FB110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	447	U	447	2600	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.9		50 - 150	84%	SPK: 20

Comments:

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

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

QC SUMMARY

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SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: Walsh Construction Company II, LLC

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF1107S1	86				0
VBF1107S2	92				0
BSF1107S1	80				0
WC-2(0-6)	50				0
WC-3(0-6)	84				0
WC-3(0-6)MS	69				0
WC-3(0-6)MSD	89				0
WC-1(0-6)	85				0

	QC LIMITS
AAA-TFT	For Water : 50-150 For Soil : 50-150

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate Diluted Out

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SOIL GASOLINE RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Walsh Construction Company II, LLC

Lab Code: CHEM **Cas No:** P4722 **SAS No :** P4722 **SDG No:** P4722

Client SampleID : WC-3(0-6)MS **Datafile:** FB031157.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
GRO	10331	0	9302	90%		50-150

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SOIL GASOLINE RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Walsh Construction Company II, LLC

Lab Code: CHEM **Cas No:** P4722 **SAS No :** P4722 **SDG No:** P4722

Client SampleID : WC-3(0-6)MSD **Datafile:** FB031158.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
GRO	10229	0	10011	98%		50-150

MS/MSD % Recovery RPD : 8.4

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SOIL GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICAT

Lab Name: Chemtech **Client:** Walsh Construction Company II, LLC

Lab Code: CHEM **Cas No:** P4722 **SAS No :** P4722 **SDG No:** P4722

Matrix Spike - EPA Sample No : BSF1107S1 **Datafile:** FB031130.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	169	94	50-150

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF1107S1

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: FB031128.D Lab Sample ID: VBF1107S1

Date Analyzed: 11/07/24 Time Analyzed: 10:54

GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: FB

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF1107S1	BSF1107S1	FB031130.D	11/07/24
WC-2(0-6)	P4722-08	FB031151.D	11/07/24

COMMENTS:

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

METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF1107S2

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: FB031129.D Lab Sample ID: VBF1107S2

Date Analyzed: 11/07/24 Time Analyzed: 11:21

GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: FB

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WC-3(0-6)	P4722-13	FB031156.D	11/08/24
WC-3(0-6)MS	P4722-13MS	FB031157.D	11/08/24
WC-3(0-6)MSD	P4722-13MSD	FB031158.D	11/08/24
WC-1(0-6)	P4722-03	FB031165.D	11/08/24

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VBF1107S1	SDG No.:	P4722
Lab Sample ID:	VBF1107S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031128.D	1	11/07/24 10:54	FB110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	8.00	U	8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.2		50 - 150	86%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	VBF1107S2	SDG No.:	P4722
Lab Sample ID:	VBF1107S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031129.D	50	11/07/24 11:21	FB110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	386	U	386	2250	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.3		50 - 150	92%	SPK: 20

Comments:

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

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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:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	BSF1107S1	SDG No.:	P4722
Lab Sample ID:	BSF1107S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031130.D	1	11/07/24 11:48	FB110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	169		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.1		50 - 150	80%	SPK: 20

Comments:

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LOD = Limit of Detection
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M = MS/MSD acceptance criteria did not meet requirements

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MS	SDG No.:	P4722
Lab Sample ID:	P4722-13MS	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86.6 Decanted:
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031157.D	50	11/08/24 1:36	FB110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	9300		443	2580	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	13.9		50 - 150	69%	SPK: 20

Comments:

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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:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MSD	SDG No.:	P4722
Lab Sample ID:	P4722-13MSD	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86.6 Decanted:
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031158.D	50	11/08/24 2:03	FB110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	10000		439	2560	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.8		50 - 150	89%	SPK: 20

Comments:

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

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

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: WALS01

ProjectID: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Calibration Sequence : FB102824		Test : Gasoline Range Organics	
Concentration (PPB)	**Area Count**	**Reference Factor**	**File ID**
90	3845926	42733	FB031048.D
180	8340483	46336	FB031049.D
450	20571050	45713	FB031050.D
900	41150366	45723	FB031051.D
45	2059049	45757	FB031052.D
AVG RF : 45252	**% RSD : 3.166**		**AVG RT : 8.7908**

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: WALS01

ProjectID: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

DataFile: FB031127.D Analyst Name: YP/AJ Analyst Date: 11-07-2024

Conc. (PPB)	Area Count	RF	Average RF	%D
180	8634747	47971	45252	6.009

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: WALS01

ProjectID: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

DataFile: FB031137.D Analyst Name: YP/AJ Analyst Date: 11-07-2024

Conc. (PPB)	Area Count	RF	Average RF	%D
180	8526733	47371	45252	4.683

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: WALS01

ProjectID: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

DataFile: FB031149.D Analyst Name: YP/AJ Analyst Date: 11-07-2024

Conc. (PPB)	Area Count	RF	Average RF	%D
180	8260502	45892	45252	1.414

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: WALS01

ProjectID: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

DataFile: FB031160.D Analyst Name: YP/AJ Analyst Date: 11-08-2024

Conc. (PPB)	Area Count	RF	Average RF	%D
180	7524695	41804	45252	7.62

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: WALS01

ProjectID: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

DataFile: FB031164.D Analyst Name: YP/AJ Analyst Date: 11-08-2024

Conc. (PPB)	Area Count	RF	Average RF	%D
180	7989462	44386	45252	1.914

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: WALS01

ProjectID: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

DataFile: FB031168.D Analyst Name: YP/AJ Analyst Date: 11-08-2024

Conc. (PPB)	Area Count	RF	Average RF	%D
180	8162497	45347	45252	0.21

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Analytical Sequence

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2 **Instrument ID:** FID_B

GC Column: RTX-502.2 **ID:** 0.53 **(mm)**

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

MEAN SUROGATE RT FROM INITIAL CALIBRATION **8.7908**

EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	7 Nov 2024 10:14	FB031127.D	8.789	
VBF1107S1	VBF1107S1	7 Nov 2024 10:54	FB031128.D	8.792	
VBF1107S2	VBF1107S2	7 Nov 2024 11:21	FB031129.D	8.793	
BSF1107S1	BSF1107S1	7 Nov 2024 11:48	FB031130.D	8.794	
20 PPB GRO STD	20 PPB GRO STD	7 Nov 2024 14:56	FB031137.D	8.796	
20 PPB GRO STD	20 PPB GRO STD	7 Nov 2024 21:11	FB031149.D	8.793	
WC-2(0-6)	P4722-08	7 Nov 2024 22:57	FB031151.D	8.791	
WC-3(0-6)	P4722-13	8 Nov 2024 1:10	FB031156.D	8.790	
WC-3(0-6)MS	P4722-13MS	8 Nov 2024 1:36	FB031157.D	8.790	
WC-3(0-6)MSD	P4722-13MSD	8 Nov 2024 2:03	FB031158.D	8.790	
20 PPB GRO STD	20 PPB GRO STD	8 Nov 2024 2:56	FB031160.D	8.793	
20 PPB GRO STD	20 PPB GRO STD	8 Nov 2024 10:36	FB031164.D	8.793	
WC-1(0-6)	P4722-03	8 Nov 2024 11:15	FB031165.D	8.792	
20 PPB GRO STD	20 PPB GRO STD	8 Nov 2024 12:46	FB031168.D	8.795	

 # Column used to flag RT values with an * values outside of QC limits

QC Limits	Lower Limit	Upper Limits
(± 0.10 minutes)	8.6908	8.8908

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LAB CHRONICLE

OrderID:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-03	**WC-1(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			SVOC-TCL BNA -20	8270E		11/07/24	11/08/24	
P4722-04	**WC-1(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP BNA	8270E		11/07/24	11/08/24	
P4722-08	**WC-2(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			SVOC-TCL BNA -20	8270E		11/07/24	11/08/24	
P4722-08DL	**WC-2(0-6)DL**	**SOIL**			**11/05/24**			**11/05/24**
			SVOC-TCL BNA -20	8270E		11/07/24	11/14/24	
P4722-09	**WC-2(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP BNA	8270E		11/07/24	11/08/24	
P4722-13	**WC-3(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			SVOC-TCL BNA -20	8270E		11/07/24	11/07/24	
P4722-14	**WC-3(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP BNA	8270E		11/07/24	11/08/24	

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Hit Summary Sheet
SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**WC-1(0-6)**							
P4722-03	WC-1(0-6)	SOIL	Phenanthrene	910.000		180	360	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Anthracene	230.000	J	180	360	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Fluoranthene	1,600.000		170	360	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Pyrene	1,400.000		180	360	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Benzo(a)anthracene	890.000		170	360	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Chrysene	680.000		170	360	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Benzo(b)fluoranthene	850.000		170	360	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Benzo(k)fluoranthene	430.000		180	360	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Benzo(a)pyrene	830.000		200	360	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Indeno(1,2,3-cd)pyrene	380.000		170	360	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Benzo(g,h,i)perylene	450.000		170	360	ug/Kg
			Total Svoc :	**8,650.00**				
P4722-03	WC-1(0-6)	SOIL	1H-Cyclopropa[l]phenanthrene,1a *	490.000	J	0	0	ug/Kg
P4722-03	WC-1(0-6)	SOIL	4H-Cyclopenta[def]phenanthrene *	310.000	J	0	0	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Benzophenone *	150.000	J	0	0	ug/Kg
			Total Tics :	**950.00**				
			Total Concentration:	**9,600.00**				
Client ID :	**WC-2(0-6)**							
P4722-08	WC-2(0-6)	SOIL	Naphthalene	160.000	J	91.5	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Acenaphthylene	140.000	J	95.8	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Acenaphthene	250.000		89.8	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Dibenzofuran	150.000	J	93.5	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Fluorene	210.000		94.7	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Phenanthrene	2,200.000		93	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Anthracene	600.000		93.5	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Carbazole	220.000		88.9	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Fluoranthene	3,000.000	E	90.5	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Pyrene	2,300.000		91.9	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Benzo(a)anthracene	1,600.000		89.4	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Chrysene	1,400.000		88	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Benzo(b)fluoranthene	2,000.000		89.8	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Benzo(k)fluoranthene	620.000		91.5	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Benzo(a)pyrene	1,600.000		100	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Indeno(1,2,3-cd)pyrene	770.000		86.5	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Dibenzo(a,h)anthracene	260.000		89.9	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Benzo(g,h,i)perylene	930.000		88.7	190	ug/Kg
			Total Svoc :	**18,410.00**				

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Hit Summary Sheet
SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
P4722-08	WC-2(0-6)	SOIL	Cyclopenta(def)phenanthrenone	*	180.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Dibenzothiophene	*	130.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Fluoranthene, 2-methyl-	*	140.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Naphthalene, 2-phenyl-	*	180.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Perylene	*	1,000.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Phenanthrene, 2,3-dimethyl-	*	200.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Phenanthrene, 2-methyl-	*	220.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Pyrene, 1-methyl-	*	100.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	unknown12.498	*	160.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	11H-Benzo[a]fluoren-11-one	*	160.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	1H-Cyclopropa[l]phenanthrene,1a	*	640.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	1H-Indene, 2-phenyl-	*	150.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	110.000	AB	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	4H-Cyclopenta[def]phenanthrene	*	590.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	4-Methylcarbazole	*	98.900	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	9H-Fluoren-9-one	*	97.800	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	9H-Fluorene, 1-methyl-	*	99.300	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Benzo[e]pyrene	*	260.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Benzophenone	*	230.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Butane, 2-methoxy-2-methyl-	*	2,700.000	J	0	0	ug/Kg
			Total Tics :		**7,446.00**				
			Total Concentration:		**25,856.00**				
Client ID :	**WC-2(0-6)DL**								
P4722-08DL	WC-2(0-6)DL	SOIL	Acenaphthene		250.000	JD	180	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Fluorene		200.000	JD	190	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Phenanthrene		2,300.000	D	190	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Anthracene		590.000	D	190	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Carbazole		210.000	JD	180	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Fluoranthene		3,000.000	D	180	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Pyrene		2,400.000	D	180	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Benzo(a)anthracene		1,600.000	D	180	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Chrysene		1,500.000	D	180	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Benzo(b)fluoranthene		2,000.000	D	180	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Benzo(k)fluoranthene		620.000	D	180	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Benzo(a)pyrene		1,600.000	D	210	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Indeno(1,2,3-cd)pyrene		800.000	D	170	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Dibenzo(a,h)anthracene		230.000	JD	180	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Benzo(g,h,i)perylene		950.000	D	180	380	ug/Kg
			Total Svoc :		**18,250.00**				

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

Hit Summary Sheet
SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Concentration:		**18,250.00**				
Client ID :	**WC-3(0-6)**								
P4722-13	WC-3(0-6)	SOIL	Phenanthrene		2,700.000		480	980	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Anthracene		610.000	J	490	980	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Fluoranthene		4,600.000		470	980	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Pyrene		2,900.000		480	980	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Benzo(a)anthracene		2,700.000		470	980	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Chrysene		2,200.000		460	980	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Benzo(b)fluoranthene		3,200.000		470	980	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Benzo(k)fluoranthene		1,100.000		480	980	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Benzo(a)pyrene		2,400.000		540	980	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Indeno(1,2,3-cd)pyrene		990.000		450	980	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Benzo(g,h,i)perylene		1,000.000		460	980	ug/Kg
			Total Svoc :		**24,400.00**				
P4722-13	WC-3(0-6)	SOIL	11H-Benzo[a]fluorene	*	540.000	J	0	0	ug/Kg
P4722-13	WC-3(0-6)	SOIL	1H-Cyclopropa[l]phenanthrene,1a	*	680.000	J	0	0	ug/Kg
P4722-13	WC-3(0-6)	SOIL	4H-Cyclopenta[def]phenanthrene	*	970.000	J	0	0	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Anthracene, 2-methyl-	*	440.000	J	0	0	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Phenanthrene, 2,5-dimethyl-	*	390.000	J	0	0	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Pyrene, 1-methyl-	*	430.000	J	0	0	ug/Kg
			Total Tics :		**3,450.00**				
			Total Concentration:		**27,850.00**				

SAMPLE DATA

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140305.D	2	11/07/24 09:20	11/08/24 18:03	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	390	U	390	700	ug/Kg
108-95-2	Phenol	180	U	180	360	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	180	U	180	360	ug/Kg
95-57-8	2-Chlorophenol	180	U	180	360	ug/Kg
95-48-7	2-Methylphenol	170	U	170	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	190	360	ug/Kg
98-86-2	Acetophenone	190	U	190	360	ug/Kg
65794-96-9	3+4-Methylphenols	170	U	170	700	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	85.9	U	85.9	170	ug/Kg
67-72-1	Hexachloroethane	180	U	180	360	ug/Kg
98-95-3	Nitrobenzene	190	U	190	360	ug/Kg
78-59-1	Isophorone	180	U	180	360	ug/Kg
88-75-5	2-Nitrophenol	200	U	200	360	ug/Kg
105-67-9	2,4-Dimethylphenol	200	U	200	360	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	180	U	180	360	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	160	360	ug/Kg
91-20-3	Naphthalene	180	U	180	360	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	360	ug/Kg
87-68-3	Hexachlorobutadiene	180	U	180	360	ug/Kg
105-60-2	Caprolactam	180	U	180	700	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	170	360	ug/Kg
91-57-6	2-Methylnaphthalene	180	U	180	360	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	UQ	330	700	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	150	360	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	160	360	ug/Kg
92-52-4	1,1-Biphenyl	190	U	190	360	ug/Kg
91-58-7	2-Chloronaphthalene	180	U	180	360	ug/Kg
88-74-4	2-Nitroaniline	200	U	200	360	ug/Kg
131-11-3	Dimethylphthalate	170	U	170	360	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140305.D	2	11/07/24 09:20	11/08/24 18:03	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	180	U	180	360	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	U	180	360	ug/Kg
99-09-2	3-Nitroaniline	190	U	190	360	ug/Kg
83-32-9	Acenaphthene	170	U	170	360	ug/Kg
51-28-5	2,4-Dinitrophenol	520	U	520	700	ug/Kg
100-02-7	4-Nitrophenol	250	U	250	700	ug/Kg
132-64-9	Dibenzofuran	180	U	180	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	180	U	180	360	ug/Kg
84-66-2	Diethylphthalate	170	U	170	360	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	180	U	180	360	ug/Kg
86-73-7	Fluorene	180	U	180	360	ug/Kg
100-01-6	4-Nitroaniline	230	U	230	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	250	U	250	700	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	170	360	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	U	170	360	ug/Kg
118-74-1	Hexachlorobenzene	180	U	180	360	ug/Kg
1912-24-9	Atrazine	190	U	190	360	ug/Kg
87-86-5	Pentachlorophenol	160	U	160	700	ug/Kg
85-01-8	Phenanthrene	910		180	360	ug/Kg
120-12-7	Anthracene	230	J	180	360	ug/Kg
86-74-8	Carbazole	170	U	170	360	ug/Kg
84-74-2	Di-n-butylphthalate	180	U	180	360	ug/Kg
206-44-0	Fluoranthene	1600		170	360	ug/Kg
129-00-0	Pyrene	1400		180	360	ug/Kg
85-68-7	Butylbenzylphthalate	210	U	210	360	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	U	210	700	ug/Kg
56-55-3	Benzo(a)anthracene	890		170	360	ug/Kg
218-01-9	Chrysene	680		170	360	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	U	190	360	ug/Kg
117-84-0	Di-n-octyl phthalate	230	U	230	700	ug/Kg
205-99-2	Benzo(b)fluoranthene	850		170	360	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140305.D	2	11/07/24 09:20	11/08/24 18:03	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	430		180	360	ug/Kg
50-32-8	Benzo(a)pyrene	830		200	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	380		170	360	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	170	360	ug/Kg
191-24-2	Benzo(g,h,i)perylene	450		170	360	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	180	U	180	360	ug/Kg
123-91-1	1,4-Dioxane	230	U	230	360	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	160	360	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	82.4		18 - 112	55%	SPK: 150
13127-88-3	Phenol-d6	80.3		15 - 107	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.9		18 - 107	56%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.5		20 - 109	62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	78.3		10 - 116	52%	SPK: 150
1718-51-0	Terphenyl-d14	60.2		10 - 105	60%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	116000	6.875			
1146-65-2	Naphthalene-d8	403000	8.157			
15067-26-2	Acenaphthene-d10	201000	9.916			
1517-22-2	Phenanthrene-d10	343000	11.404			
1719-03-5	Chrysene-d12	224000	14.057			
1520-96-3	Perylene-d12	184000	15.563			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	150	J		10.6	ug/Kg
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	490	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	310	J		12.0	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140305.D	2	11/07/24 09:20	11/08/24 18:03	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140303.D	1	11/07/24 09:20	11/08/24 17:10	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	370	ug/Kg
108-95-2	Phenol	91.8	U	91.8	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	92.7	U	92.7	190	ug/Kg
95-57-8	2-Chlorophenol	92.5	U	92.5	190	ug/Kg
95-48-7	2-Methylphenol	89.2	U	89.2	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	190	ug/Kg
98-86-2	Acetophenone	96.2	U	96.2	190	ug/Kg
65794-96-9	3+4-Methylphenols	88.4	U	88.4	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.6	U	44.6	88.6	ug/Kg
67-72-1	Hexachloroethane	91.9	U	91.9	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	190	ug/Kg
78-59-1	Isophorone	93.7	U	93.7	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	95.0	U	95.0	190	ug/Kg
120-83-2	2,4-Dichlorophenol	83.6	U	83.6	190	ug/Kg
91-20-3	Naphthalene	160	J	91.5	190	ug/Kg
106-47-8	4-Chloroaniline	91.5	U	91.5	190	ug/Kg
87-68-3	Hexachlorobutadiene	92.2	U	92.2	190	ug/Kg
105-60-2	Caprolactam	96.1	U	96.1	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	85.8	U	85.8	190	ug/Kg
91-57-6	2-Methylnaphthalene	91.4	U	91.4	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	79.1	U	79.1	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	81.9	U	81.9	190	ug/Kg
92-52-4	1,1-Biphenyl	96.8	U	96.8	190	ug/Kg
91-58-7	2-Chloronaphthalene	92.2	U	92.2	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	90.5	U	90.5	190	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140303.D	1	11/07/24 09:20	11/08/24 17:10	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	140	J	95.8	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	92.1	U	92.1	190	ug/Kg
99-09-2	3-Nitroaniline	98.8	U	98.8	190	ug/Kg
83-32-9	Acenaphthene	250		89.8	190	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	370	ug/Kg
132-64-9	Dibenzofuran	150	J	93.5	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	95.4	U	95.4	190	ug/Kg
84-66-2	Diethylphthalate	88.7	U	88.7	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94.8	U	94.8	190	ug/Kg
86-73-7	Fluorene	210		94.7	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90.4	U	90.4	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	87.4	U	87.4	190	ug/Kg
118-74-1	Hexachlorobenzene	94.1	U	94.1	190	ug/Kg
1912-24-9	Atrazine	100	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	85.6	U	85.6	370	ug/Kg
85-01-8	Phenanthrene	2200		93.0	190	ug/Kg
120-12-7	Anthracene	600		93.5	190	ug/Kg
86-74-8	Carbazole	220		88.9	190	ug/Kg
84-74-2	Di-n-butylphthalate	93.3	U	93.3	190	ug/Kg
206-44-0	Fluoranthene	3000	E	90.5	190	ug/Kg
129-00-0	Pyrene	2300		91.9	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	370	ug/Kg
56-55-3	Benzo(a)anthracene	1600		89.4	190	ug/Kg
218-01-9	Chrysene	1400		88.0	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		89.8	190	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140303.D	1	11/07/24 09:20	11/08/24 17:10	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	620		91.5	190	ug/Kg
50-32-8	Benzo(a)pyrene	1600		100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	770		86.5	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	260		89.9	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	930		88.7	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96.1	U	96.1	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.7	U	82.7	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	99.8		18 - 112	67%	SPK: 150
13127-88-3	Phenol-d6	97.7		15 - 107	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	66.5		18 - 107	66%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.3		20 - 109	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	91.7		10 - 116	61%	SPK: 150
1718-51-0	Terphenyl-d14	58.3		10 - 105	58%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	116000	6.875			
1146-65-2	Naphthalene-d8	426000	8.157			
15067-26-2	Acenaphthene-d10	223000	9.916			
1517-22-2	Phenanthrene-d10	344000	11.404			
1719-03-5	Chrysene-d12	256000	14.068			
1520-96-3	Perylene-d12	207000	15.58			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	2700	J		2.15	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	110	AB		5.10	ug/Kg
000119-61-9	Benzophenone	230	J		10.6	ug/Kg
001730-37-6	9H-Fluorene, 1-methyl-	99.3	J		11.0	ug/Kg
000486-25-9	9H-Fluoren-9-one	97.8	J		11.2	ug/Kg
000132-65-0	Dibenzothiophene	130	J		11.3	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	220	J		11.9	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140303.D	1	11/07/24 09:20	11/08/24 17:10	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	640	J		11.9	ug/Kg
004505-48-0	1H-Indene, 2-phenyl-	150	J		12.0	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	590	J		12.0	ug/Kg
003770-48-7	4-Methylcarbazole	98.9	J		12.1	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	180	J		12.2	ug/Kg
003674-65-5	Phenanthrene, 2,3-dimethyl-	200	J		12.5	ug/Kg
	unknown12.498	160	J		12.5	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	180	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	100	J		13.1	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	140	J		13.2	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	160	J		13.9	ug/Kg
000192-97-2	Benzo[e]pyrene	260	J		15.3	ug/Kg
000198-55-0	Perylene	1000	J		15.5	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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)DL	SDG No.:	P4722
Lab Sample ID:	P4722-08DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140377.D	2	11/07/24 09:20	11/14/24 21:54	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	400	UD	400	730	ug/Kg
108-95-2	Phenol	180	UD	180	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	UD	190	380	ug/Kg
95-57-8	2-Chlorophenol	180	UD	180	380	ug/Kg
95-48-7	2-Methylphenol	180	UD	180	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	200	UD	200	380	ug/Kg
98-86-2	Acetophenone	190	UD	190	380	ug/Kg
65794-96-9	3+4-Methylphenols	180	UD	180	730	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	89.2	UD	89.2	180	ug/Kg
67-72-1	Hexachloroethane	180	UD	180	380	ug/Kg
98-95-3	Nitrobenzene	200	UD	200	380	ug/Kg
78-59-1	Isophorone	190	UD	190	380	ug/Kg
88-75-5	2-Nitrophenol	210	UD	210	380	ug/Kg
105-67-9	2,4-Dimethylphenol	210	UD	210	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	UD	190	380	ug/Kg
120-83-2	2,4-Dichlorophenol	170	UD	170	380	ug/Kg
91-20-3	Naphthalene	180	UD	180	380	ug/Kg
106-47-8	4-Chloroaniline	180	UD	180	380	ug/Kg
87-68-3	Hexachlorobutadiene	180	UD	180	380	ug/Kg
105-60-2	Caprolactam	190	UD	190	730	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	UD	170	380	ug/Kg
91-57-6	2-Methylnaphthalene	180	UD	180	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	350	UDQ	350	730	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	UD	160	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	UD	160	380	ug/Kg
92-52-4	1,1-Biphenyl	190	UD	190	380	ug/Kg
91-58-7	2-Chloronaphthalene	180	UD	180	380	ug/Kg
88-74-4	2-Nitroaniline	210	UD	210	380	ug/Kg
131-11-3	Dimethylphthalate	180	UD	180	380	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)DL	SDG No.:	P4722
Lab Sample ID:	P4722-08DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140377.D	2	11/07/24 09:20	11/14/24 21:54	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	190	UD	190	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	UD	180	380	ug/Kg
99-09-2	3-Nitroaniline	200	UD	200	380	ug/Kg
83-32-9	Acenaphthene	250	JD	180	380	ug/Kg
51-28-5	2,4-Dinitrophenol	540	UD	540	730	ug/Kg
100-02-7	4-Nitrophenol	260	UD	260	730	ug/Kg
132-64-9	Dibenzofuran	190	UD	190	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	UD	190	380	ug/Kg
84-66-2	Diethylphthalate	180	UD	180	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	UD	190	380	ug/Kg
86-73-7	Fluorene	200	JD	190	380	ug/Kg
100-01-6	4-Nitroaniline	240	UD	240	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	260	UD	260	730	ug/Kg
86-30-6	n-Nitrosodiphenylamine	180	UD	180	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	UD	170	380	ug/Kg
118-74-1	Hexachlorobenzene	190	UD	190	380	ug/Kg
1912-24-9	Atrazine	200	UD	200	380	ug/Kg
87-86-5	Pentachlorophenol	170	UD	170	730	ug/Kg
85-01-8	Phenanthrene	2300	D	190	380	ug/Kg
120-12-7	Anthracene	590	D	190	380	ug/Kg
86-74-8	Carbazole	210	JD	180	380	ug/Kg
84-74-2	Di-n-butylphthalate	190	UD	190	380	ug/Kg
206-44-0	Fluoranthene	3000	D	180	380	ug/Kg
129-00-0	Pyrene	2400	D	180	380	ug/Kg
85-68-7	Butylbenzylphthalate	210	UD	210	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	220	UD	220	730	ug/Kg
56-55-3	Benzo(a)anthracene	1600	D	180	380	ug/Kg
218-01-9	Chrysene	1500	D	180	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	200	UD	200	380	ug/Kg
117-84-0	Di-n-octyl phthalate	240	UD	240	730	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000	D	180	380	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)DL	SDG No.:	P4722
Lab Sample ID:	P4722-08DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140377.D	2	11/07/24 09:20	11/14/24 21:54	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	620	D	180	380	ug/Kg
50-32-8	Benzo(a)pyrene	1600	D	210	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	800	D	170	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	230	JD	180	380	ug/Kg
191-24-2	Benzo(g,h,i)perylene	950	D	180	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	UD	190	380	ug/Kg
123-91-1	1,4-Dioxane	240	UD	240	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	UD	170	380	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	102		18 - 112	68%	SPK: 150
13127-88-3	Phenol-d6	97.6		15 - 107	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.4		18 - 107	71%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.2		20 - 109	81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	77.8		10 - 116	52%	SPK: 150
1718-51-0	Terphenyl-d14	62.7		10 - 105	63%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	137000	6.875			
1146-65-2	Naphthalene-d8	500000	8.157			
15067-26-2	Acenaphthene-d10	232000	9.91			
1517-22-2	Phenanthrene-d10	344000	11.398			
1719-03-5	Chrysene-d12	250000	14.045			
1520-96-3	Perylene-d12	179000	15.539			

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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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140280.D	5	11/07/24 09:20	11/07/24 17:32	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1000	U	1000	1900	ug/Kg
108-95-2	Phenol	480	U	480	980	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	480	U	480	980	ug/Kg
95-57-8	2-Chlorophenol	480	U	480	980	ug/Kg
95-48-7	2-Methylphenol	460	U	460	980	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	520	U	520	980	ug/Kg
98-86-2	Acetophenone	500	U	500	980	ug/Kg
65794-96-9	3+4-Methylphenols	460	U	460	1900	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	230	U	230	460	ug/Kg
67-72-1	Hexachloroethane	480	U	480	980	ug/Kg
98-95-3	Nitrobenzene	520	U	520	980	ug/Kg
78-59-1	Isophorone	490	U	490	980	ug/Kg
88-75-5	2-Nitrophenol	540	U	540	980	ug/Kg
105-67-9	2,4-Dimethylphenol	540	U	540	980	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	490	U	490	980	ug/Kg
120-83-2	2,4-Dichlorophenol	440	U	440	980	ug/Kg
91-20-3	Naphthalene	480	U	480	980	ug/Kg
106-47-8	4-Chloroaniline	480	U	480	980	ug/Kg
87-68-3	Hexachlorobutadiene	480	U	480	980	ug/Kg
105-60-2	Caprolactam	500	U	500	1900	ug/Kg
59-50-7	4-Chloro-3-methylphenol	450	U	450	980	ug/Kg
91-57-6	2-Methylnaphthalene	480	U	480	980	ug/Kg
77-47-4	Hexachlorocyclopentadiene	900	UQ	900	1900	ug/Kg
88-06-2	2,4,6-Trichlorophenol	410	U	410	980	ug/Kg
95-95-4	2,4,5-Trichlorophenol	430	U	430	980	ug/Kg
92-52-4	1,1-Biphenyl	500	U	500	980	ug/Kg
91-58-7	2-Chloronaphthalene	480	U	480	980	ug/Kg
88-74-4	2-Nitroaniline	550	U	550	980	ug/Kg
131-11-3	Dimethylphthalate	470	U	470	980	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140280.D	5	11/07/24 09:20	11/07/24 17:32	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	500	U	500	980	ug/Kg
606-20-2	2,6-Dinitrotoluene	480	U	480	980	ug/Kg
99-09-2	3-Nitroaniline	510	U	510	980	ug/Kg
83-32-9	Acenaphthene	470	U	470	980	ug/Kg
51-28-5	2,4-Dinitrophenol	1400	U	1400	1900	ug/Kg
100-02-7	4-Nitrophenol	670	U	670	1900	ug/Kg
132-64-9	Dibenzofuran	490	U	490	980	ug/Kg
121-14-2	2,4-Dinitrotoluene	500	U	500	980	ug/Kg
84-66-2	Diethylphthalate	460	U	460	980	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	490	U	490	980	ug/Kg
86-73-7	Fluorene	490	U	490	980	ug/Kg
100-01-6	4-Nitroaniline	620	U	620	980	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	670	U	670	1900	ug/Kg
86-30-6	n-Nitrosodiphenylamine	470	U	470	980	ug/Kg
101-55-3	4-Bromophenyl-phenylether	450	U	450	980	ug/Kg
118-74-1	Hexachlorobenzene	490	U	490	980	ug/Kg
1912-24-9	Atrazine	530	U	530	980	ug/Kg
87-86-5	Pentachlorophenol	450	U	450	1900	ug/Kg
85-01-8	Phenanthrene	2700		480	980	ug/Kg
120-12-7	Anthracene	610	J	490	980	ug/Kg
86-74-8	Carbazole	460	U	460	980	ug/Kg
84-74-2	Di-n-butylphthalate	490	U	490	980	ug/Kg
206-44-0	Fluoranthene	4600		470	980	ug/Kg
129-00-0	Pyrene	2900		480	980	ug/Kg
85-68-7	Butylbenzylphthalate	560	U	560	980	ug/Kg
91-94-1	3,3-Dichlorobenzidine	570	U	570	1900	ug/Kg
56-55-3	Benzo(a)anthracene	2700		470	980	ug/Kg
218-01-9	Chrysene	2200		460	980	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	520	U	520	980	ug/Kg
117-84-0	Di-n-octyl phthalate	630	U	630	1900	ug/Kg
205-99-2	Benzo(b)fluoranthene	3200		470	980	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140280.D	5	11/07/24 09:20	11/07/24 17:32	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		480	980	ug/Kg
50-32-8	Benzo(a)pyrene	2400		540	980	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	990		450	980	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	470	U	470	980	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1000		460	980	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	500	U	500	980	ug/Kg
123-91-1	1,4-Dioxane	630	U	630	980	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	430	U	430	980	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	86.4		18 - 112	58%	SPK: 150
13127-88-3	Phenol-d6	87.1		15 - 107	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.5		18 - 107	56%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.8		20 - 109	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.8		10 - 116	46%	SPK: 150
1718-51-0	Terphenyl-d14	46.1		10 - 105	46%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	116000	6.875			
1146-65-2	Naphthalene-d8	438000	8.157			
15067-26-2	Acenaphthene-d10	226000	9.916			
1517-22-2	Phenanthrene-d10	319000	11.404			
1719-03-5	Chrysene-d12	257000	14.051			
1520-96-3	Perylene-d12	207000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000613-12-7	Anthracene, 2-methyl-	440	J		11.9	ug/Kg
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	680	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	970	J		12.0	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	390	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	430	J		13.1	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	540	J		13.2	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140280.D	5	11/07/24 09:20	11/07/24 17:32	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4722-03	WC-1(0-6)	2-Fluorophenol	150	82.4	55		18	112
		Phenol-d6	150	80.3	54		15	107
		Nitrobenzene-d5	100	55.9	56		18	107
		2-Fluorobiphenyl	100	62.5	62		20	109
		2,4,6-Tribromophenol	150	78.3	52		10	116
		Terphenyl-d14	100	60.2	60		10	105
P4722-08	WC-2(0-6)	2-Fluorophenol	150	99.8	67		18	112
		Phenol-d6	150	97.7	65		15	107
		Nitrobenzene-d5	100	66.5	66		18	107
		2-Fluorobiphenyl	100	71.3	71		20	109
		2,4,6-Tribromophenol	150	91.7	61		10	116
		Terphenyl-d14	100	58.3	58		10	105
P4722-08DL	WC-2(0-6)DL	2-Fluorophenol	150	102	68		18	112
		Phenol-d6	150	97.6	65		15	107
		Nitrobenzene-d5	100	71.4	71		18	107
		2-Fluorobiphenyl	100	81.2	81		20	109
		2,4,6-Tribromophenol	150	77.8	52		10	116
		Terphenyl-d14	100	62.7	63		10	105
P4722-13	WC-3(0-6)	2-Fluorophenol	150	86.4	58		18	112
		Phenol-d6	150	87.1	58		15	107
		Nitrobenzene-d5	100	55.5	56		18	107
		2-Fluorobiphenyl	100	65.8	66		20	109
		2,4,6-Tribromophenol	150	68.8	46		10	116
		Terphenyl-d14	100	46.1	46		10	105
P4737-01MS	TP2MS	2-Fluorophenol	150	95.0	63		18	112
		Phenol-d6	150	94.5	63		15	107
		Nitrobenzene-d5	100	63.7	64		18	107
		2-Fluorobiphenyl	100	67.6	68		20	109
		2,4,6-Tribromophenol	150	98.0	65		10	116
		Terphenyl-d14	100	57.2	57		10	105
P4737-01MSD	TP2MSD	2-Fluorophenol	150	97.9	65		18	112
		Phenol-d6	150	97.6	65		15	107
		Nitrobenzene-d5	100	65.0	65		18	107
		2-Fluorobiphenyl	100	69.2	69		20	109
		2,4,6-Tribromophenol	150	100	67		10	116
		Terphenyl-d14	100	59.5	59		10	105
PB164750BL	PB164750BL	2-Fluorophenol	150	169	113	*	18	112
		Phenol-d6	150	154	102		15	107
		Nitrobenzene-d5	100	104	104		18	107
		2-Fluorobiphenyl	100	105	105		20	109
		2,4,6-Tribromophenol	150	153	102		10	116
		Terphenyl-d14	100	105	105		10	105
PB164750BS	PB164750BS	2-Fluorophenol	150	114	76		18	112
		Phenol-d6	150	112	75		15	107
		Nitrobenzene-d5	100	76.4	76		18	107
		2-Fluorobiphenyl	100	75.1	75		20	109
		2,4,6-Tribromophenol	150	144	96		10	116
		Terphenyl-d14	100	84.5	84		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4737-01MS		**Client Sample ID: TP2MS**						**DataFile: BF140300.D**			
Benzaldehyde	1100	0	220	ug/Kg	20				10	86	
Phenol	1100	0	1100	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	1100	0	1100	ug/Kg	100				54	125	
2-Chlorophenol	1100	0	1200	ug/Kg	109	*			79	107	
2-Methylphenol	1100	0	1100	ug/Kg	100				66	122	
2,2-oxybis(1-Chloropropane)	1100	0	1000	ug/Kg	91				65	110	
Acetophenone	1100	0	1100	ug/Kg	100				75	111	
3+4-Methylphenols	1100	0	1100	ug/Kg	100				66	104	
N-Nitroso-di-n-propylamine	1100	0	1000	ug/Kg	91				59	119	
Hexachloroethane	1100	0	1000	ug/Kg	91				65	117	
Nitrobenzene	1100	0	1000	ug/Kg	91				70	119	
Isophorone	1100	0	1100	ug/Kg	100				76	122	
2-Nitrophenol	1100	0	1200	ug/Kg	109				54	145	
2,4-Dimethylphenol	1100	0	1400	ug/Kg	127				44	135	
bis(2-Chloroethoxy)methane	1100	0	1100	ug/Kg	100				68	112	
2,4-Dichlorophenol	1100	0	1200	ug/Kg	109				72	118	
Naphthalene	1100	0	1100	ug/Kg	100				72	110	
4-Chloroaniline	1100	0	360	ug/Kg	33				10	91	
Hexachlorobutadiene	1100	0	1000	ug/Kg	91				66	114	
Caprolactam	1100	0	1200	ug/Kg	109				51	134	
4-Chloro-3-methylphenol	1100	0	1100	ug/Kg	100				57	132	
2-Methylnaphthalene	1100	0	1100	ug/Kg	100				59	123	
Hexachlorocyclopentadiene	2200	0	1400	ug/Kg	64				10	175	
2,4,6-Trichlorophenol	1100	0	1200	ug/Kg	109				72	117	
2,4,5-Trichlorophenol	1100	0	1200	ug/Kg	109				72	117	
1,1-Biphenyl	1100	0	1100	ug/Kg	100				75	113	
2-Chloronaphthalene	1100	0	1100	ug/Kg	100				67	118	
2-Nitroaniline	1100	0	1100	ug/Kg	100				69	127	
Dimethylphthalate	1100	0	1200	ug/Kg	109				70	113	
Acenaphthylene	1100	0	1200	ug/Kg	109				79	118	
2,6-Dinitrotoluene	1100	0	1100	ug/Kg	100				70	125	
3-Nitroaniline	1100	0	660	ug/Kg	60				30	99	
Acenaphthene	1100	0	1100	ug/Kg	100				70	121	
2,4-Dinitrophenol	2200	0	1100	ug/Kg	50				10	155	
4-Nitrophenol	2200	0	2400	ug/Kg	109				45	133	
Dibenzofuran	1100	0	1100	ug/Kg	100				72	110	
2,4-Dinitrotoluene	1100	0	1100	ug/Kg	100				55	128	
Diethylphthalate	1100	0	1100	ug/Kg	100				70	112	
4-Chlorophenyl-phenylether	1100	0	1100	ug/Kg	100				71	108	
Fluorene	1100	0	1100	ug/Kg	100				68	116	
4-Nitroaniline	1100	0	950	ug/Kg	86				55	120	
4,6-Dinitro-2-methylphenol	1100	0	710	ug/Kg	65				10	160	
N-Nitrosodiphenylamine	1100	0	1300	ug/Kg	118				73	118	
4-Bromophenyl-phenylether	1100	0	1200	ug/Kg	109				65	121	
Hexachlorobenzene	1100	0	1200	ug/Kg	109				67	118	
Atrazine	1100	0	1600	ug/Kg	145	*			79	127	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	2200	0	2300	ug/Kg	105				47	128	
Phenanthrene	1100	0	1200	ug/Kg	109				52	128	
Anthracene	1100	0	1200	ug/Kg	109				62	124	
Carbazole	1100	0	1200	ug/Kg	109				59	119	
Di-n-butylphthalate	1100	0	1200	ug/Kg	109				69	118	
Fluoranthene	1100	0	1100	ug/Kg	100				44	125	
Pyrene	1100	0	990	ug/Kg	90				26	142	
Butylbenzylphthalate	1100	0	1100	ug/Kg	100				64	126	
3,3-Dichlorobenzidine	1100	0	1100	ug/Kg	100				33	116	
Benzo(a)anthracene	1100	0	1200	ug/Kg	109				71	114	
Chrysene	1100	0	1200	ug/Kg	109				57	121	
bis(2-Ethylhexyl)phthalate	1100	0	1000	ug/Kg	91				42	169	
Di-n-octyl phthalate	1100	0	1100	ug/Kg	100				23	175	
Benzo(b)fluoranthene	1100	0	1300	ug/Kg	118				67	121	
Benzo(k)fluoranthene	1100	0	1200	ug/Kg	109				57	134	
Benzo(a)pyrene	1100	0	1300	ug/Kg	118				70	142	
Indeno(1,2,3-cd)pyrene	1100	0	1100	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	1100	0	1000	ug/Kg	91				43	123	
Benzo(g,h,i)perylene	1100	0	950	ug/Kg	86				24	125	
1,2,4,5-Tetrachlorobenzene	1100	0	1200	ug/Kg	109				69	124	
1,4-Dioxane	1100	0	1000	ug/Kg	91				46	112	
2,3,4,6-Tetrachlorophenol	1100	0	1200	ug/Kg	109				69	112	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4737-01MSD		**Client Sample ID: TP2MSD**						**DataFile: BF140301.D**			
Benzaldehyde	1100	0	230	ug/Kg	21		5		10	86	20
Phenol	1100	0	1200	ug/Kg	109		9		67	126	20
bis(2-Chloroethyl)ether	1100	0	1100	ug/Kg	100		0		54	125	20
2-Chlorophenol	1100	0	1200	ug/Kg	109	*	0		79	107	20
2-Methylphenol	1100	0	1200	ug/Kg	109		9		66	122	20
2,2-oxybis(1-Chloropropane)	1100	0	1100	ug/Kg	100		9		65	110	20
Acetophenone	1100	0	1100	ug/Kg	100		0		75	111	20
3+4-Methylphenols	1100	0	1200	ug/Kg	109	*	9		66	104	20
N-Nitroso-di-n-propylamine	1100	0	1100	ug/Kg	100		9		59	119	20
Hexachloroethane	1100	0	1000	ug/Kg	91		0		65	117	20
Nitrobenzene	1100	0	1100	ug/Kg	100		9		70	119	20
Isophorone	1100	0	1100	ug/Kg	100		0		76	122	20
2-Nitrophenol	1100	0	1200	ug/Kg	109		0		54	145	20
2,4-Dimethylphenol	1100	0	1400	ug/Kg	127		0		44	135	20
bis(2-Chloroethoxy)methane	1100	0	1100	ug/Kg	100		0		68	112	20
2,4-Dichlorophenol	1100	0	1200	ug/Kg	109		0		72	118	20
Naphthalene	1100	0	1100	ug/Kg	100		0		72	110	20
4-Chloroaniline	1100	0	390	ug/Kg	35		6		10	91	20
Hexachlorobutadiene	1100	0	1100	ug/Kg	100		9		66	114	20
Caprolactam	1100	0	1100	ug/Kg	100		9		51	134	20
4-Chloro-3-methylphenol	1100	0	1100	ug/Kg	100		0		57	132	20
2-Methylnaphthalene	1100	0	1100	ug/Kg	100		0		59	123	20
Hexachlorocyclopentadiene	2200	0	1500	ug/Kg	68		6		10	175	20
2,4,6-Trichlorophenol	1100	0	1300	ug/Kg	118	*	8		72	117	20
2,4,5-Trichlorophenol	1100	0	1200	ug/Kg	109		0		72	117	20
1,1-Biphenyl	1100	0	1200	ug/Kg	109		9		75	113	20
2-Chloronaphthalene	1100	0	1100	ug/Kg	100		0		67	118	20
2-Nitroaniline	1100	0	1200	ug/Kg	109		9		69	127	20
Dimethylphthalate	1100	0	1200	ug/Kg	109		0		70	113	20
Acenaphthylene	1100	0	1200	ug/Kg	109		0		79	118	20
2,6-Dinitrotoluene	1100	0	1100	ug/Kg	100		0		70	125	20
3-Nitroaniline	1100	0	670	ug/Kg	61		2		30	99	20
Acenaphthene	1100	0	1200	ug/Kg	109		9		70	121	20
2,4-Dinitrophenol	2200	0	1100	ug/Kg	50		0		10	155	20
4-Nitrophenol	2200	0	2500	ug/Kg	114		4		45	133	20
Dibenzofuran	1100	0	1200	ug/Kg	109		9		72	110	20
2,4-Dinitrotoluene	1100	0	1200	ug/Kg	109		9		55	128	20
Diethylphthalate	1100	0	1200	ug/Kg	109		9		70	112	20
4-Chlorophenyl-phenylether	1100	0	1100	ug/Kg	100		0		71	108	20
Fluorene	1100	0	1100	ug/Kg	100		0		68	116	20
4-Nitroaniline	1100	0	970	ug/Kg	88		2		55	120	20
4,6-Dinitro-2-methylphenol	1100	0	800	ug/Kg	73		12		10	160	20
N-Nitrosodiphenylamine	1100	0	1300	ug/Kg	118		0		73	118	20
4-Bromophenyl-phenylether	1100	0	1300	ug/Kg	118		8		65	121	20
Hexachlorobenzene	1100	0	1200	ug/Kg	109		0		67	118	20
Atrazine	1100	0	1600	ug/Kg	145	*	0		79	127	20

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Fax : 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	2200	0	2400	ug/Kg	109		4		47	128	20
Phenanthrene	1100	0	1200	ug/Kg	109		0		52	128	20
Anthracene	1100	0	1200	ug/Kg	109		0		62	124	20
Carbazole	1100	0	1200	ug/Kg	109		0		59	119	20
Di-n-butylphthalate	1100	0	1200	ug/Kg	109		0		69	118	20
Fluoranthene	1100	0	1200	ug/Kg	109		9		44	125	20
Pyrene	1100	0	1000	ug/Kg	91		1		26	142	20
Butylbenzylphthalate	1100	0	1100	ug/Kg	100		0		64	126	20
3,3-Dichlorobenzidine	1100	0	1200	ug/Kg	109		9		33	116	20
Benzo(a)anthracene	1100	0	1200	ug/Kg	109		0		71	114	20
Chrysene	1100	0	1200	ug/Kg	109		0		57	121	20
bis(2-Ethylhexyl)phthalate	1100	0	1000	ug/Kg	91		0		42	169	20
Di-n-octyl phthalate	1100	0	1100	ug/Kg	100		0		23	175	20
Benzo(b)fluoranthene	1100	0	1400	ug/Kg	127	*	7		67	121	20
Benzo(k)fluoranthene	1100	0	1200	ug/Kg	109		0		57	134	20
Benzo(a)pyrene	1100	0	1300	ug/Kg	118		0		70	142	20
Indeno(1,2,3-cd)pyrene	1100	0	1100	ug/Kg	100		0		40	129	20
Dibenz(a,h)anthracene	1100	0	1100	ug/Kg	100		9		43	123	20
Benzo(g,h,i)perylene	1100	0	980	ug/Kg	89		3		24	125	20
1,2,4,5-Tetrachlorobenzene	1100	0	1200	ug/Kg	109		0		69	124	20
1,4-Dioxane	1100	0	1100	ug/Kg	100		9		46	112	20
2,3,4,6-Tetrachlorophenol	1100	0	1200	ug/Kg	109		0		69	112	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E **DataFile:** BF140288.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164750BS	Benzaldehyde	1700	240	ug/Kg	14				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1400	ug/Kg	82				65	112	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1300	ug/Kg	76				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	1300	ug/Kg	76				72	108	
	Nitrobenzene	1700	1200	ug/Kg	71				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				46	141	
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				66	97	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	Naphthalene	1700	1300	ug/Kg	76				62	100	
	4-Chloroaniline	1700	1300	ug/Kg	76				16	100	
	Hexachlorobutadiene	1700	1300	ug/Kg	76				53	98	
	Caprolactam	1700	1300	ug/Kg	76				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	5500	ug/Kg	167		*		45	165	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1300	ug/Kg	76				57	103	
	2-Chloronaphthalene	1700	1300	ug/Kg	76				58	99	
	2-Nitroaniline	1700	1300	ug/Kg	76				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1400	ug/Kg	82				63	101	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104	
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	3200	ug/Kg	97				37	128	
	4-Nitrophenol	3300	3100	ug/Kg	94				48	119	
	Dibenzofuran	1700	1300	ug/Kg	76				63	99	
	2,4-Dinitrotoluene	1700	1400	ug/Kg	82				60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1300	ug/Kg	76				58	98	
	Fluorene	1700	1300	ug/Kg	76				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1300	ug/Kg	76				71	99	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E **DataFile:** BF140288.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164750BS	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	3100	ug/Kg	94				67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Carbazole	1700	1400	ug/Kg	82				61	99	
	Di-n-butylphthalate	1700	1400	ug/Kg	82				58	104	
	Fluoranthene	1700	1400	ug/Kg	82				57	107	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103	
	3,3-Dichlorobenzidine	1700	1300	ug/Kg	76				42	91	
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				54	135	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1400	ug/Kg	82				61	112	
	Benzo(g,h,i)perylene	1700	1300	ug/Kg	76				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1300	ug/Kg	76				53	101	
	1,4-Dioxane	1700	1000	ug/Kg	59				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164750BL

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: BE101545.D Lab Sample ID: PB164750BL

Instrument ID: BNA_E Date Extracted: 11/07/2024

Matrix: (soil/water) SOIL Date Analyzed: 11/08/2024

Level: (low/med) LOW Time Analyzed: 10:51

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WC-3(0-6)	P4722-13	BF140280.D	11/07/2024
TP2MS	P4737-01MS	BF140300.D	11/08/2024
TP2MSD	P4737-01MSD	BF140301.D	11/08/2024
WC-2(0-6)	P4722-08	BF140303.D	11/08/2024
WC-1(0-6)	P4722-03	BF140305.D	11/08/2024
PB164750BS	PB164750BS	BF140288.D	11/08/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BE101491.D DFTPP Injection Date: 11/06/2024

Instrument ID: BNA_E DFTPP Injection Time: 11:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	14.8
68	Less than 2.0% of mass 69	0.2 (1.3) 1
69	Mass 69 relative abundance	16
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	23.5
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	3.6
275	10.0 - 60.0% of mass 198	18.3
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	16.4
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	BE101493.D	11/06/2024	13:51
SSTDICC005	SSTDICC005	BE101494.D	11/06/2024	14:27
SSTDICC010	SSTDICC010	BE101495.D	11/06/2024	15:03
SSTDICC020	SSTDICC020	BE101496.D	11/06/2024	15:39
SSTDICCC040	SSTDICCC040	BE101497.D	11/06/2024	16:14
SSTDICC050	SSTDICC050	BE101498.D	11/06/2024	16:50
SSTDICC060	SSTDICC060	BE101499.D	11/06/2024	17:26
SSTDICC080	SSTDICC080	BE101500.D	11/06/2024	18:02

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BE101543.D DFTPP Injection Date: 11/08/2024

Instrument ID: BNA_E DFTPP Injection Time: 09:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	16.2
68	Less than 2.0% of mass 69	0.2 (1) 1
69	Mass 69 relative abundance	17.2
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	24.7
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	3.8
275	10.0 - 60.0% of mass 198	19.1
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	16.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BE101544.D	11/08/2024	10:07
PB164750BL	PB164750BL	BE101545.D	11/08/2024	10:51

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BF140230.D DFTPP Injection Date: 11/05/2024

Instrument ID: BNA_F DFTPP Injection Time: 11:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.4
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	36.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	45.5
197	Less than 2.0% of mass 198	0.7
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	27.8
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 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	BF140231.D	11/05/2024	12:26
SSTDICC005	SSTDICC005	BF140232.D	11/05/2024	12:52
SSTDICC010	SSTDICC010	BF140233.D	11/05/2024	13:18
SSTDICC020	SSTDICC020	BF140234.D	11/05/2024	13:45
SSTDICCC040	SSTDICCC040	BF140235.D	11/05/2024	14:11
SSTDICC050	SSTDICC050	BF140236.D	11/05/2024	14:37
SSTDICC060	SSTDICC060	BF140237.D	11/05/2024	15:03
SSTDICC080	SSTDICC080	BF140238.D	11/05/2024	15:30

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BF140260.D DFTPP Injection Date: 11/07/2024

Instrument ID: BNA_F DFTPP Injection Time: 08:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.9
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	44.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	98.8
443	15.0 - 24.0% of mass 442	19.4 (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
SSTDCCC040	SSTDCCC040	BF140261.D	11/07/2024	08:59
WC-3(0-6)	P4722-13	BF140280.D	11/07/2024	17:32

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BF140285.D DFTPP Injection Date: 11/08/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.4
68	Less than 2.0% of mass 69	0.5 (2) 1
69	Mass 69 relative abundance	27.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	36.3
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.8
275	10.0 - 60.0% of mass 198	25.2
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 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	BF140286.D	11/08/2024	09:35
PB164750BS	PB164750BS	BF140288.D	11/08/2024	10:28
TP2MS	P4737-01MS	BF140300.D	11/08/2024	15:51
TP2MSD	P4737-01MSD	BF140301.D	11/08/2024	16:17
WC-2(0-6)	P4722-08	BF140303.D	11/08/2024	17:10
WC-1(0-6)	P4722-03	BF140305.D	11/08/2024	18:03

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BF140331.D DFTPP Injection Date: 11/13/2024

Instrument ID: BNA_F DFTPP Injection Time: 08:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.9
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	38
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	88.6
443	15.0 - 24.0% of mass 442	16.7 (18.8) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF140332.D	11/13/2024	09:01
SSTDICC005	SSTDICC005	BF140333.D	11/13/2024	09:27
SSTDICC010	SSTDICC010	BF140334.D	11/13/2024	09:53
SSTDICC020	SSTDICC020	BF140335.D	11/13/2024	10:29
SSTDICC050	SSTDICC050	BF140337.D	11/13/2024	11:21
SSTDICC060	SSTDICC060	BF140338.D	11/13/2024	11:47
SSTDICC080	SSTDICC080	BF140339.D	11/13/2024	12:13
SSTDICCC040	SSTDICCC040	BF140340.D	11/13/2024	12:48

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BF140365.D DFTPP Injection Date: 11/14/2024

Instrument ID: BNA_F DFTPP Injection Time: 16:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.3
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	39.7
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	48.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	12.8
442	Greater than 50% of mass 198	82.7
443	15.0 - 24.0% of mass 442	15.3 (18.4) 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	BF140366.D	11/14/2024	17:02
WC-2(0-6)DL	P4722-08DL	BF140377.D	11/14/2024	21:54

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/08/2024

Lab File ID: BE101544.D Time Analyzed: 10:07

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	51174	7.558	237509	10.33	179651	14.17
	UPPER LIMIT	102348	8.058	475018	10.826	359302	14.674
	LOWER LIMIT	25587	7.058	118755	9.826	89825.5	13.674
	EPA SAMPLE NO.						
01	PB164750BL	34636	7.56	145179	10.33	93474	14.17

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: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/08/2024

Lab File ID: BE101544.D Time Analyzed: 10:07

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	420948	16.912	472751	21.072	602462	23.357
	UPPER LIMIT	841896	17.412	945502	21.572	1204920	23.857
	LOWER LIMIT	210474	16.412	236376	20.572	301231	22.857
	EPA SAMPLE NO.						
01	PB164750BL	229842	16.91	301745	21.07	434243	23.35

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: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/07/2024

Lab File ID: BF140261.D Time Analyzed: 08:59

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	194677	6.881	715714	8.16	419359	9.92
	UPPER LIMIT	389354	7.381	1431430	8.663	838718	10.422
	LOWER LIMIT	97338.5	6.381	357857	7.663	209680	9.422
	EPA SAMPLE NO.						
01	WC-3(0-6)	116141	6.88	437848	8.16	226170	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: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/07/2024

Lab File ID: BF140261.D Time Analyzed: 08:59

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	752975	11.41	445081	14.069	403199	15.574
	UPPER LIMIT	1505950	11.91	890162	14.569	806398	16.074
	LOWER LIMIT	376488	10.91	222541	13.569	201600	15.074
	EPA SAMPLE NO.						
01	WC-3(0-6)	319073 *	11.40	257317	14.05	207144	15.54

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: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/08/2024

Lab File ID: BF140286.D Time Analyzed: 09:35

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	203786	6.881	760595	8.16	473134		9.92
	UPPER LIMIT	407572	7.381	1521190	8.663	946268		10.422
	LOWER LIMIT	101893	6.381	380298	7.663	236567		9.422
	EPA SAMPLE NO.							
01	PB164750BS	195639	6.88	765547	8.16	473510		9.92
02	WC-1(0-6)	116360	6.88	402526	8.16	201087	*	9.92
03	WC-2(0-6)	115521	6.88	425723	8.16	222785	*	9.92
04	TP2MS	122176	6.88	451887	8.16	246982		9.92
05	TP2MSD	119710	6.88	448822	8.16	245092		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: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/08/2024

Lab File ID: BF140286.D Time Analyzed: 09:35

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	883136	11.41	554697	14.063	449723	15.551
	UPPER LIMIT	1766270	11.91	1109390	14.563	899446	16.051
	LOWER LIMIT	441568	10.91	277349	13.563	224862	15.051
	EPA SAMPLE NO.						
01	PB164750BS	882492	11.41	554441	14.06	455207	15.56
02	WC-1(0-6)	343480 *	11.40	223839 *	14.06	183726 *	15.56
03	WC-2(0-6)	343931 *	11.40	256443 *	14.07	206534 *	15.58
04	TP2MS	380764 *	11.41	270987 *	14.06	205942 *	15.56
05	TP2MSD	382682 *	11.41	271857 *	14.06	209874 *	15.57

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: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/14/2024

Lab File ID: BF140366.D Time Analyzed: 17:02

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	130579	6.875	484942	8.16	265027	9.91
	UPPER LIMIT	261158	7.375	969884	8.657	530054	10.41
	LOWER LIMIT	65289.5	6.375	242471	7.657	132514	9.41
	EPA SAMPLE NO.						
01	WC-2(0-6)DL	137496	6.88	500452	8.16	231647	9.91

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: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/14/2024

Lab File ID: BF140366.D Time Analyzed: 17:02

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	494420	11.398	287889	14.062	258896	15.592
	UPPER LIMIT	988840	11.898	575778	14.562	517792	16.092
	LOWER LIMIT	247210	10.898	143945	13.562	129448	15.092
	EPA SAMPLE NO.						
01	WC-2(0-6)DL	343646	11.40	249695	14.05	178555	15.54

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

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164750BL	SDG No.:	P4722
Lab Sample ID:	PB164750BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101545.D	1	11/07/24 09:20	11/08/24 10:51	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	330	ug/Kg
108-95-2	Phenol	82.8	U	82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.6	U	83.6	170	ug/Kg
95-57-8	2-Chlorophenol	83.4	U	83.4	170	ug/Kg
95-48-7	2-Methylphenol	80.5	U	80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.8	U	90.8	170	ug/Kg
98-86-2	Acetophenone	86.8	U	86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.7	U	79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	82.9	U	82.9	170	ug/Kg
98-95-3	Nitrobenzene	90.7	U	90.7	170	ug/Kg
78-59-1	Isophorone	84.5	U	84.5	170	ug/Kg
88-75-5	2-Nitrophenol	94.4	U	94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.1	U	93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.7	U	85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.4	U	75.4	170	ug/Kg
91-20-3	Naphthalene	82.5	U	82.5	170	ug/Kg
106-47-8	4-Chloroaniline	82.5	U	82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.2	U	83.2	170	ug/Kg
105-60-2	Caprolactam	86.7	U	86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.3	U	71.3	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.9	U	73.9	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	170	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164750BL	SDG No.:	P4722
Lab Sample ID:	PB164750BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101545.D	1	11/07/24 09:20	11/08/24 10:51	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	86.4	U	86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	170	ug/Kg
83-32-9	Acenaphthene	81.0	U	81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	330	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	170	ug/Kg
84-66-2	Diethylphthalate	80.0	U	80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.5	U	81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	170	ug/Kg
87-86-5	Pentachlorophenol	77.2	U	77.2	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	170	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.0	U	81.0	170	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164750BL	SDG No.:	P4722
Lab Sample ID:	PB164750BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101545.D	1	11/07/24 09:20	11/08/24 10:51	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.0	U	78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.0	U	80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.6	U	74.6	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	169	*	18 - 112	113%	SPK: 150
13127-88-3	Phenol-d6	154		15 - 107	102%	SPK: 150
4165-60-0	Nitrobenzene-d5	104		18 - 107	104%	SPK: 100
321-60-8	2-Fluorobiphenyl	105		20 - 109	105%	SPK: 100
118-79-6	2,4,6-Tribromophenol	153		10 - 116	102%	SPK: 150
1718-51-0	Terphenyl-d14	105		10 - 105	105%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	34600	7.555			
1146-65-2	Naphthalene-d8	145000	10.328			
15067-26-2	Acenaphthene-d10	93500	14.171			
1517-22-2	Phenanthrene-d10	230000	16.909			
1719-03-5	Chrysene-d12	302000	21.069			
1520-96-3	Perylene-d12	434000	23.354			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	440	A		4.78	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164750BL	SDG No.:	P4722
Lab Sample ID:	PB164750BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101545.D	1	11/07/24 09:20	11/08/24 10:51	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164750BS	SDG No.:	P4722
Lab Sample ID:	PB164750BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140288.D	1	11/07/24 09:20	11/08/24 10:28	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	240	J	180	330	ug/Kg
108-95-2	Phenol	1400		82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.7	170	ug/Kg
95-57-8	2-Chlorophenol	1400		83.5	170	ug/Kg
95-48-7	2-Methylphenol	1400		80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		90.9	170	ug/Kg
98-86-2	Acetophenone	1300		86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	1300		83.0	170	ug/Kg
98-95-3	Nitrobenzene	1200		90.8	170	ug/Kg
78-59-1	Isophorone	1400		84.6	170	ug/Kg
88-75-5	2-Nitrophenol	1500		94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		75.5	170	ug/Kg
91-20-3	Naphthalene	1300		82.6	170	ug/Kg
106-47-8	4-Chloroaniline	1300		82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	1300		83.3	170	ug/Kg
105-60-2	Caprolactam	1300		86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5500	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	1300		87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	1300		83.3	170	ug/Kg
88-74-4	2-Nitroaniline	1300		95.0	170	ug/Kg
131-11-3	Dimethylphthalate	1400		81.7	170	ug/Kg

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164750BS	SDG No.:	P4722
Lab Sample ID:	PB164750BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140288.D	1	11/07/24 09:20	11/08/24 10:28	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1400		86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.2	170	ug/Kg
99-09-2	3-Nitroaniline	1200		89.2	170	ug/Kg
83-32-9	Acenaphthene	1500		81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3100	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1300		84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		86.2	170	ug/Kg
84-66-2	Diethylphthalate	1400		80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		85.6	170	ug/Kg
86-73-7	Fluorene	1300		85.5	170	ug/Kg
100-01-6	4-Nitroaniline	1500		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		85.0	170	ug/Kg
1912-24-9	Atrazine	1600		91.4	170	ug/Kg
87-86-5	Pentachlorophenol	3100	E	77.3	330	ug/Kg
85-01-8	Phenanthrene	1400		84.0	170	ug/Kg
120-12-7	Anthracene	1400		84.4	170	ug/Kg
86-74-8	Carbazole	1400		80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		84.3	170	ug/Kg
206-44-0	Fluoranthene	1400		81.7	170	ug/Kg
129-00-0	Pyrene	1400		83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		80.7	170	ug/Kg
218-01-9	Chrysene	1400		79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81.1	170	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164750BS	SDG No.:	P4722
Lab Sample ID:	PB164750BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140288.D	1	11/07/24 09:20	11/08/24 10:28	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1400		82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		86.8	170	ug/Kg
123-91-1	1,4-Dioxane	1000		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	114		18 - 112	76%	SPK: 150
13127-88-3	Phenol-d6	112		15 - 107	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.4		18 - 107	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.1		20 - 109	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	144		10 - 116	96%	SPK: 150
1718-51-0	Terphenyl-d14	84.5		10 - 105	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	196000	6.881			
1146-65-2	Naphthalene-d8	766000	8.157			
15067-26-2	Acenaphthene-d10	474000	9.922			
1517-22-2	Phenanthrene-d10	882000	11.41			
1719-03-5	Chrysene-d12	554000	14.063			
1520-96-3	Perylene-d12	455000	15.562			

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:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/06/24
Client Sample ID:	TP2MS	SDG No.:	P4722
Lab Sample ID:	P4737-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140300.D	1	11/07/24 09:20	11/08/24 15:51	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	220		120	220	ug/Kg
108-95-2	Phenol	1100		54.4	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		54.9	110	ug/Kg
95-57-8	2-Chlorophenol	1200		54.8	110	ug/Kg
95-48-7	2-Methylphenol	1100		52.9	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		59.6	110	ug/Kg
98-86-2	Acetophenone	1100		57.0	110	ug/Kg
65794-96-9	3+4-Methylphenols	1100		52.3	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		26.4	52.5	ug/Kg
67-72-1	Hexachloroethane	1000		54.4	110	ug/Kg
98-95-3	Nitrobenzene	1000		59.5	110	ug/Kg
78-59-1	Isophorone	1100		55.5	110	ug/Kg
88-75-5	2-Nitrophenol	1200		62.0	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		61.1	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		56.3	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		49.5	110	ug/Kg
91-20-3	Naphthalene	1100		54.2	110	ug/Kg
106-47-8	4-Chloroaniline	360		54.2	110	ug/Kg
87-68-3	Hexachlorobutadiene	1000		54.6	110	ug/Kg
105-60-2	Caprolactam	1200		56.9	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		50.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	1100		54.1	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1400		100	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		46.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		48.5	110	ug/Kg
92-52-4	1,1-Biphenyl	1100		57.3	110	ug/Kg
91-58-7	2-Chloronaphthalene	1100		54.6	110	ug/Kg
88-74-4	2-Nitroaniline	1100		62.3	110	ug/Kg
131-11-3	Dimethylphthalate	1200		53.6	110	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/06/24
Client Sample ID:	TP2MS	SDG No.:	P4722
Lab Sample ID:	P4737-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140300.D	1	11/07/24 09:20	11/08/24 15:51	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1200		56.7	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		54.6	110	ug/Kg
99-09-2	3-Nitroaniline	660		58.5	110	ug/Kg
83-32-9	Acenaphthene	1100		53.2	110	ug/Kg
51-28-5	2,4-Dinitrophenol	1100		160	220	ug/Kg
100-02-7	4-Nitrophenol	2400	E	76.1	220	ug/Kg
132-64-9	Dibenzofuran	1100		55.3	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		56.5	110	ug/Kg
84-66-2	Diethylphthalate	1100		52.5	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		56.1	110	ug/Kg
86-73-7	Fluorene	1100		56.1	110	ug/Kg
100-01-6	4-Nitroaniline	950		70.2	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	710		76.7	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		53.5	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		51.7	110	ug/Kg
118-74-1	Hexachlorobenzene	1200		55.7	110	ug/Kg
1912-24-9	Atrazine	1600		59.9	110	ug/Kg
87-86-5	Pentachlorophenol	2300	E	50.7	220	ug/Kg
85-01-8	Phenanthrene	1200		55.1	110	ug/Kg
120-12-7	Anthracene	1200		55.3	110	ug/Kg
86-74-8	Carbazole	1200		52.7	110	ug/Kg
84-74-2	Di-n-butylphthalate	1200		55.3	110	ug/Kg
206-44-0	Fluoranthene	1100		53.6	110	ug/Kg
129-00-0	Pyrene	990		54.4	110	ug/Kg
85-68-7	Butylbenzylphthalate	1100		63.5	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		64.7	220	ug/Kg
56-55-3	Benzo(a)anthracene	1200		52.9	110	ug/Kg
218-01-9	Chrysene	1200		52.1	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		59.7	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		72.1	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		53.2	110	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/06/24
Client Sample ID:	TP2MS	SDG No.:	P4722
Lab Sample ID:	P4737-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140300.D	1	11/07/24 09:20	11/08/24 15:51	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1200		54.2	110	ug/Kg
50-32-8	Benzo(a)pyrene	1300		61.0	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		51.2	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		53.3	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	950		52.5	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		56.9	110	ug/Kg
123-91-1	1,4-Dioxane	1000		72.1	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1200		49.0	110	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	95.0		18 - 112	63%	SPK: 150
13127-88-3	Phenol-d6	94.5		15 - 107	63%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.7		18 - 107	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.6		20 - 109	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	98.0		10 - 116	65%	SPK: 150
1718-51-0	Terphenyl-d14	57.2		10 - 105	57%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	122000	6.875			
1146-65-2	Naphthalene-d8	452000	8.157			
15067-26-2	Acenaphthene-d10	247000	9.916			
1517-22-2	Phenanthrene-d10	381000	11.41			
1719-03-5	Chrysene-d12	271000	14.063			
1520-96-3	Perylene-d12	206000	15.563			

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:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/06/24
Client Sample ID:	TP2MSD	SDG No.:	P4722
Lab Sample ID:	P4737-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140301.D	1	11/07/24 09:20	11/08/24 16:17	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	230		120	220	ug/Kg
108-95-2	Phenol	1200		54.3	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		54.9	110	ug/Kg
95-57-8	2-Chlorophenol	1200		54.7	110	ug/Kg
95-48-7	2-Methylphenol	1200		52.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		59.6	110	ug/Kg
98-86-2	Acetophenone	1100		57.0	110	ug/Kg
65794-96-9	3+4-Methylphenols	1200		52.3	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		26.4	52.4	ug/Kg
67-72-1	Hexachloroethane	1000		54.4	110	ug/Kg
98-95-3	Nitrobenzene	1100		59.5	110	ug/Kg
78-59-1	Isophorone	1100		55.5	110	ug/Kg
88-75-5	2-Nitrophenol	1200		61.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		61.1	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		56.2	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		49.5	110	ug/Kg
91-20-3	Naphthalene	1100		54.1	110	ug/Kg
106-47-8	4-Chloroaniline	390		54.1	110	ug/Kg
87-68-3	Hexachlorobutadiene	1100		54.6	110	ug/Kg
105-60-2	Caprolactam	1100		56.9	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		50.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	1100		54.1	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1500		100	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1300		46.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		48.5	110	ug/Kg
92-52-4	1,1-Biphenyl	1200		57.3	110	ug/Kg
91-58-7	2-Chloronaphthalene	1100		54.6	110	ug/Kg
88-74-4	2-Nitroaniline	1200		62.3	110	ug/Kg
131-11-3	Dimethylphthalate	1200		53.6	110	ug/Kg

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/06/24
Client Sample ID:	TP2MSD	SDG No.:	P4722
Lab Sample ID:	P4737-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140301.D	1	11/07/24 09:20	11/08/24 16:17	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1200		56.7	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		54.5	110	ug/Kg
99-09-2	3-Nitroaniline	670		58.5	110	ug/Kg
83-32-9	Acenaphthene	1200		53.2	110	ug/Kg
51-28-5	2,4-Dinitrophenol	1100		160	220	ug/Kg
100-02-7	4-Nitrophenol	2500	E	76.0	220	ug/Kg
132-64-9	Dibenzofuran	1200		55.3	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		56.5	110	ug/Kg
84-66-2	Diethylphthalate	1200		52.5	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		56.1	110	ug/Kg
86-73-7	Fluorene	1100		56.0	110	ug/Kg
100-01-6	4-Nitroaniline	970		70.1	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	800		76.7	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		53.5	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		51.7	110	ug/Kg
118-74-1	Hexachlorobenzene	1200		55.7	110	ug/Kg
1912-24-9	Atrazine	1600		59.9	110	ug/Kg
87-86-5	Pentachlorophenol	2400	E	50.7	220	ug/Kg
85-01-8	Phenanthrene	1200		55.1	110	ug/Kg
120-12-7	Anthracene	1200		55.3	110	ug/Kg
86-74-8	Carbazole	1200		52.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	1200		55.3	110	ug/Kg
206-44-0	Fluoranthene	1200		53.6	110	ug/Kg
129-00-0	Pyrene	1000		54.4	110	ug/Kg
85-68-7	Butylbenzylphthalate	1100		63.5	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		64.6	220	ug/Kg
56-55-3	Benzo(a)anthracene	1200		52.9	110	ug/Kg
218-01-9	Chrysene	1200		52.1	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		59.7	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		72.1	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		53.2	110	ug/Kg

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/06/24
Client Sample ID:	TP2MSD	SDG No.:	P4722
Lab Sample ID:	P4737-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140301.D	1	11/07/24 09:20	11/08/24 16:17	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1200		54.1	110	ug/Kg
50-32-8	Benzo(a)pyrene	1300		61.0	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		51.2	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		53.2	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	980		52.5	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		56.9	110	ug/Kg
123-91-1	1,4-Dioxane	1100		72.1	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1200		49.0	110	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	97.9		18 - 112	65%	SPK: 150
13127-88-3	Phenol-d6	97.6		15 - 107	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.0		18 - 107	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.2		20 - 109	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	100		10 - 116	67%	SPK: 150
1718-51-0	Terphenyl-d14	59.5		10 - 105	59%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	120000	6.875			
1146-65-2	Naphthalene-d8	449000	8.157			
15067-26-2	Acenaphthene-d10	245000	9.916			
1517-22-2	Phenanthrene-d10	383000	11.41			
1719-03-5	Chrysene-d12	272000	14.063			
1520-96-3	Perylene-d12	210000	15.568			

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_E

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE110624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 07 00:01:20 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BE101493.D 5 =BE101494.D 10 =BE101495.D 20 =BE101496.D 40 =BE101497.D 50 =BE101498.D 60 =BE101499.D 80 =BE10150
0.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.495	0.458	0.438	0.406	0.378	0.394	0.378	0.421	10.54
3)		Pyridine		1.154	1.183	1.143	1.154	1.192	1.230	1.186	1.177	2.53
4)		n-Nitrosodimet...		0.509	0.465	0.446	0.445	0.461	0.473	0.464	0.466	4.58
5)	S	2-Fluorophenol		1.161	1.135	1.120	1.101	1.114	1.159	1.127	1.131	1.99
6)		Aniline		1.323	1.251	1.316	1.368	1.026	1.044	0.819	1.164	17.52
7)	S	Phenol-d6		1.494	1.525	1.558	1.540	1.571	1.617	1.551	1.551	2.49
8)		2-Chlorophenol		1.339	1.343	1.359	1.316	1.336	1.364	1.324	1.340	1.30
9)		Benzaldehyde		0.902	0.930	0.875	0.767	0.654	0.640	0.542	0.759	19.80
10)	C	Phenol		1.646	1.682	1.702	1.664	1.709	1.764	1.649	1.688	2.45
11)		bis(2-Chloroet...		1.362	1.474	1.392	1.165	1.446	1.447	1.497	1.397	8.03
12)		1,3-Dichlorobe...		1.573	1.526	1.491	1.424	1.410	1.437	1.379	1.463	4.74
13)	C	1,4-Dichlorobe...		1.565	1.543	1.508	1.444	1.437	1.464	1.412	1.482	3.89
14)		1,2-Dichlorobe...		1.559	1.496	1.481	1.418	1.416	1.435	1.378	1.455	4.20
15)		Benzyl Alcohol		0.791	0.861	0.910	0.919	0.958	0.977	0.926	0.906	6.94
16)		2,2'-oxybis(1-...		1.733	1.690	1.700	1.628	1.625	1.636	1.567	1.654	3.41
17)		2-Methylphenol		1.015	1.041	1.073	1.113	1.123	1.163	1.123	1.093	4.76
18)		Hexachloroethane		0.524	0.509	0.507	0.484	0.494	0.501	0.483	0.500	2.95
19)	P	n-Nitroso-di-n...	0.958	0.996	1.040	1.058	1.027	1.046	1.057	0.998	1.023	3.48
20)		3+4-Methylphenols		1.376	1.483	1.529	1.524	1.558	1.606	1.530	1.515	4.74
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.462	0.460	0.461	0.443	0.447	0.455	0.443	0.453	1.91
23)	S	Nitrobenzene-d5		0.313	0.316	0.318	0.312	0.318	0.325	0.313	0.317	1.46
24)		Nitrobenzene		0.325	0.329	0.330	0.324	0.329	0.338	0.330	0.329	1.41
25)		Isophorone		0.599	0.619	0.632	0.611	0.618	0.630	0.605	0.616	1.98
26)	C	2-Nitrophenol		0.159	0.167	0.175	0.174	0.182	0.187	0.183	0.175	5.41
27)		2,4-Dimethylph...		0.196	0.199	0.204	0.198	0.205	0.212	0.206	0.203	2.83
28)		bis(2-Chloroet...		0.376	0.383	0.386	0.371	0.375	0.381	0.369	0.377	1.65
29)	C	2,4-Dichloroph...		0.275	0.279	0.289	0.283	0.294	0.302	0.294	0.288	3.35
30)		1,2,4-Trichlor...		0.344	0.326	0.323	0.311	0.313	0.321	0.312	0.321	3.63
31)		Naphthalene		1.071	1.033	1.027	0.983	0.983	1.003	0.968	1.010	3.58
32)		Benzoic acid			0.112	0.137	0.166	0.191	0.202	0.202	0.168	22.18
33)		4-Chloroaniline		0.342	0.364	0.371	0.358	0.356	0.361	0.334	0.355	3.65
34)	C	Hexachlorobuta...		0.209	0.198	0.202	0.192	0.195	0.198	0.193	0.198	2.95
35)		Caprolactam		0.097	0.107	0.107	0.107	0.106	0.111	0.105	0.106	4.09
36)	C	4-Chloro-3-met...		0.293	0.318	0.316	0.312	0.318	0.327	0.317	0.314	3.27
37)		2-Methylnaphth...		0.744	0.733	0.733	0.706	0.705	0.715	0.684	0.717	2.93
38)		1-Methylnaphth...		0.752	0.738	0.734	0.696	0.697	0.711	0.679	0.715	3.72

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE110624.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.546	0.518	0.535	0.513	0.519	0.535	0.525	0.527	2.24
41)	P	Hexachlorocycl...	0.106	0.128	0.153	0.167	0.175	0.178	0.171	0.154	17.72
42)	S	2,4,6-Tribromo...	0.388	0.391	0.391	0.369	0.364	0.375	0.357	0.376	3.64
43)	C	2,4,6-Trichlor...	0.358	0.352	0.360	0.358	0.361	0.376	0.369	0.362	2.21
44)		2,4,5-Trichlor...	0.390	0.381	0.402	0.400	0.411	0.425	0.415	0.403	3.71
45)	S	2-Fluorobiphenyl	1.353	1.295	1.299	1.204	1.160	1.163	1.100	1.225	7.52
46)		1,1'-Biphenyl	1.451	1.416	1.424	1.336	1.344	1.366	1.320	1.380	3.66
47)		2-Chloronaphth...	1.124	1.104	1.115	1.060	1.065	1.091	1.060	1.088	2.49
48)		2-Nitroaniline	0.248	0.273	0.292	0.288	0.300	0.312	0.302	0.288	7.44
49)		Acenaphthylene	1.664	1.660	1.661	1.584	1.586	1.629	1.565	1.622	2.62
50)		Dimethylphthalate	1.500	1.479	1.478	1.389	1.368	1.403	1.352	1.424	4.22
51)		2,6-Dinitrotol...	0.316	0.330	0.336	0.324	0.327	0.338	0.329	0.329	2.23
52)	C	Acenaphthene	1.116	1.075	1.080	1.007	0.996	1.007	0.962	1.035	5.38
53)		3-Nitroaniline	0.282	0.320	0.335	0.328	0.323	0.333	0.314	0.319	5.67
54)	P	2,4-Dinitrophenol		0.139	0.178	0.194	0.208	0.220	0.217	0.193	15.82
55)		Dibenzofuran	1.799	1.736	1.724	1.615	1.591	1.629	1.568	1.666	5.20
56)	P	4-Nitrophenol	0.197	0.235	0.278	0.275	0.274	0.295	0.290	0.264	13.26
57)		2,4-Dinitrotol...	0.426	0.456	0.480	0.460	0.463	0.482	0.466	0.462	3.99
58)		Fluorene	1.490	1.475	1.458	1.363	1.328	1.347	1.272	1.391	6.03
59)		2,3,4,6-Tetrac...	0.379	0.366	0.377	0.369	0.370	0.381	0.372	0.373	1.53
60)		Diethylphthalate	1.600	1.579	1.577	1.457	1.442	1.460	1.397	1.502	5.41
61)		4-Chlorophenyl...	0.757	0.736	0.733	0.689	0.680	0.692	0.657	0.706	5.12
62)		4-Nitroaniline	0.285	0.334	0.359	0.349	0.355	0.366	0.359	0.344	8.07
63)		Azobenzene	1.283	1.269	1.289	1.196	1.183	1.203	1.153	1.225	4.44
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.084	0.104	0.117	0.123	0.131	0.136	0.135	0.119	15.97
66)	c	n-Nitrosodiphe...	0.550	0.534	0.545	0.519	0.526	0.533	0.509	0.531	2.68
67)		4-Bromophenyl-...	0.226	0.218	0.221	0.214	0.221	0.225	0.219	0.221	1.85
68)		Hexachlorobenzene	0.301	0.290	0.295	0.282	0.287	0.294	0.283	0.290	2.33
69)		Atrazine	0.202	0.187	0.151	0.171	0.121	0.135	0.130	0.157	19.70
70)	C	Pentachlorophenol	0.129	0.139	0.155	0.162	0.167	0.176	0.176	0.158	11.39
71)		Phenanthrene	1.067	1.000	1.016	0.942	0.936	0.947	0.901	0.973	5.87
72)		Anthracene	1.030	0.985	0.998	0.943	0.932	0.949	0.887	0.961	4.94
73)		Carbazole	1.030	1.003	1.001	0.940	0.924	0.947	0.899	0.963	5.00
74)		Di-n-butylphth...	1.312	1.269	1.261	1.170	1.128	1.121	1.068	1.190	7.68
75)	C	Fluoranthene	1.442	1.353	1.316	1.208	1.157	1.158	1.096	1.247	10.04
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.324	0.433	0.250	0.403	0.656	0.503	0.440	0.430	30.17
78)		Pyrene	1.201	1.158	1.199	1.130	1.125	1.117	1.036	1.138	4.95
79)	S	Terphenyl-d14	1.065	1.023	1.028	0.902	0.819	0.780	0.707	0.904	15.44
80)		Butylbenzylpht...	0.541	0.522	0.531	0.507	0.500	0.505	0.474	0.511	4.31
81)		Benzo(a)anthra...	1.334	1.258	1.258	1.170	1.138	1.118	1.040	1.188	8.47
82)		3,3'-Dichlorob...	0.466	0.474	0.480	0.469	0.478	0.467	0.439	0.468	2.92
83)		Chrysene	1.261	1.215	1.207	1.116	1.074	1.050	0.979	1.129	9.06
84)		Bis(2-ethylhex...	0.857	0.816	0.822	0.760	0.738	0.733	0.686	0.773	7.81
85)	c	Di-n-octyl pht...	1.510	1.430	1.383	1.284	1.226	1.203	1.119	1.308	10.60

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE110624.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.480	1.394	1.411	1.347	1.342	1.357	1.290	1.374	4.40
88)		Benzo(b)fluora...	1.220	1.158	1.107	1.056	1.053	1.073	1.014	1.097	6.46
89)		Benzo(k)fluora...	1.119	1.045	1.080	0.977	0.966	0.937	0.849	0.996	9.23
90)	C	Benzo(a)pyrene	1.023	0.974	0.977	0.926	0.923	0.931	0.877	0.947	5.02
91)		Dibenzo(a,h)an...	1.250	1.169	1.189	1.128	1.111	1.119	1.047	1.145	5.68
92)		Benzo(g,h,i)pe...	1.239	1.164	1.182	1.133	1.148	1.162	1.113	1.163	3.46

(#) = Out of Range

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Nov 05 16:47:56 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140231.D 5 =BF140232.D 10 =BF140233.D 20 =BF140234.D 40 =BF140235.D 50 =BF140236.D 60 =BF140237.D 80 =BF1402
38.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.613	0.582	0.576	0.550	0.526	0.527	0.511	0.555	6.64
3)		Pyridine		1.464	1.445	1.402	1.340	1.296	1.298	1.233	1.354	6.33
4)		n-Nitrosodimet...		0.799	0.792	0.802	0.780	0.767	0.786	0.746	0.782	2.52
5)	S	2-Fluorophenol		1.359	1.298	1.261	1.159	1.138	1.151	1.083	1.207	8.29
6)		Aniline		1.609	1.513	1.499	1.365	1.316	1.298	1.218	1.402	9.99
7)	S	Phenol-d6		1.765	1.679	1.604	1.495	1.462	1.468	1.392	1.552	8.66
8)		2-Chlorophenol		1.441	1.385	1.311	1.214	1.187	1.182	1.121	1.263	9.38
9)		Benzaldehyde		1.159	1.137	1.085	0.949	0.839	0.823	0.701	0.956	18.46
10)	C	Phenol		1.863	1.779	1.752	1.593	1.575	1.544	1.434	1.649	9.23
11)		bis(2-Chloroet...		1.417	1.354	1.285	1.209	1.201	1.201	1.100	1.252	8.57
12)		1,3-Dichlorobe...		1.690	1.605	1.555	1.413	1.387	1.388	1.322	1.480	9.22
13)	C	1,4-Dichlorobe...		1.720	1.636	1.551	1.423	1.393	1.401	1.322	1.492	9.78
14)		1,2-Dichlorobe...		1.622	1.553	1.494	1.309	1.291	1.286	1.201	1.394	11.49
15)		Benzyl Alcohol		1.282	1.280	1.258	1.182	1.147	1.154	1.075	1.197	6.59
16)		2,2'-oxybis(1-...		2.305	2.213	2.143	1.958	1.910	1.898	1.764	2.027	9.65
17)		2-Methylphenol		1.155	1.105	1.086	1.028	1.005	1.022	0.973	1.053	6.05
18)		Hexachloroethane		0.612	0.603	0.576	0.533	0.524	0.537	0.507	0.556	7.37
19)	P	n-Nitroso-di-n...	1.035	1.117	1.062	1.015	0.949	0.923	0.936	0.886	0.990	8.01
20)		3+4-Methylphenols		1.503	1.446	1.403	1.277	1.240	1.242	1.150	1.323	9.73
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.564	0.535	0.512	0.474	0.461	0.472	0.453	0.496	8.43
23)	S	Nitrobenzene-d5		0.435	0.420	0.415	0.392	0.387	0.391	0.377	0.402	5.21
24)		Nitrobenzene		0.452	0.442	0.436	0.414	0.407	0.407	0.396	0.422	5.04
25)		Isophorone		0.754	0.722	0.699	0.675	0.659	0.680	0.660	0.693	5.05
26)	C	2-Nitrophenol		0.160	0.167	0.170	0.171	0.167	0.173	0.168	0.168	2.47
27)		2,4-Dimethylph...		0.240	0.237	0.234	0.224	0.221	0.227	0.216	0.228	3.88
28)		bis(2-Chloroet...		0.459	0.441	0.428	0.400	0.390	0.399	0.383	0.415	6.93
29)	C	2,4-Dichloroph...		0.297	0.299	0.291	0.278	0.270	0.277	0.266	0.283	4.67
30)		1,2,4-Trichlor...		0.373	0.362	0.349	0.328	0.318	0.327	0.314	0.339	6.72
31)		Naphthalene		1.206	1.119	1.071	0.992	0.956	0.965	0.921	1.033	9.94
32)		Benzoic acid			0.136	0.161	0.193	0.207	0.211	0.216	0.187	17.07
33)		4-Chloroaniline		0.372	0.367	0.354	0.330	0.322	0.323	0.311	0.340	7.13
34)	C	Hexachlorobuta...		0.251	0.241	0.238	0.222	0.218	0.223	0.212	0.229	6.22
35)		Caprolactam		0.090	0.087	0.088	0.085	0.084	0.086	0.082	0.086	2.94
36)	C	4-Chloro-3-met...		0.337	0.326	0.319	0.312	0.303	0.307	0.298	0.315	4.33
37)		2-Methylnaphth...		0.772	0.743	0.702	0.644	0.626	0.627	0.605	0.674	9.64
38)		1-Methylnaphth...		0.765	0.720	0.691	0.634	0.612	0.619	0.583	0.661	10.00

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110524.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.657	0.619	0.600	0.562	0.559	0.562	0.538	0.586	7.15
41)	P	Hexachlorocycl...	0.124	0.145	0.169	0.183	0.177	0.181	0.169	0.164	13.27
42)	S	2,4,6-Tribromo...	0.199	0.200	0.197	0.194	0.197	0.202	0.195	0.198	1.40
43)	C	2,4,6-Trichlor...	0.377	0.369	0.363	0.361	0.354	0.356	0.359	0.363	2.16
44)		2,4,5-Trichlor...	0.391	0.398	0.396	0.373	0.374	0.383	0.355	0.381	4.02
45)	S	2-Fluorobiphenyl	1.481	1.381	1.312	1.183	1.148	1.166	1.097	1.253	11.27
46)		1,1'-Biphenyl	1.663	1.590	1.521	1.376	1.342	1.347	1.281	1.446	10.02
47)		2-Chloronaphth...	1.195	1.171	1.135	1.050	1.036	1.040	0.990	1.088	7.17
48)		2-Nitroaniline	0.357	0.372	0.371	0.369	0.363	0.364	0.352	0.364	1.99
49)		Acenaphthylene	1.730	1.668	1.618	1.486	1.465	1.452	1.364	1.540	8.62
50)		Dimethylphthalate	1.363	1.310	1.262	1.191	1.182	1.180	1.135	1.232	6.65
51)		2,6-Dinitrotol...	0.302	0.297	0.299	0.286	0.286	0.284	0.272	0.290	3.57
52)	C	Acenaphthene	1.204	1.153	1.134	1.059	1.055	1.041	1.003	1.093	6.60
53)		3-Nitroaniline	0.294	0.286	0.282	0.269	0.267	0.262	0.248	0.273	5.83
54)	P	2,4-Dinitrophenol		0.071	0.101	0.128	0.135	0.139	0.142	0.120	23.23
55)		Dibenzofuran	1.773	1.683	1.603	1.467	1.424	1.421	1.324	1.528	10.59
56)	P	4-Nitrophenol	0.160	0.178	0.196	0.203	0.206	0.201	0.197	0.192	8.78
57)		2,4-Dinitrotol...	0.384	0.385	0.388	0.374	0.373	0.374	0.352	0.376	3.23
58)		Fluorene	1.446	1.345	1.267	1.154	1.127	1.115	1.059	1.216	11.55
59)		2,3,4,6-Tetrac...	0.323	0.324	0.321	0.305	0.309	0.308	0.298	0.313	3.26
60)		Diethylphthalate	1.360	1.319	1.271	1.185	1.170	1.165	1.097	1.224	7.72
61)		4-Chlorophenyl...	0.715	0.673	0.638	0.581	0.573	0.569	0.542	0.613	10.33
62)		4-Nitroaniline	0.278	0.276	0.282	0.270	0.267	0.270	0.254	0.271	3.45
63)		Azobenzene	1.460	1.373	1.319	1.219	1.200	1.190	1.122	1.269	9.38
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.080	0.100	0.110	0.112	0.116	0.113	0.105	12.60
66)	c	n-Nitrosodiphe...	0.646	0.608	0.600	0.551	0.543	0.549	0.530	0.575	7.48
67)		4-Bromophenyl-...	0.230	0.219	0.223	0.209	0.208	0.212	0.207	0.215	4.15
68)		Hexachlorobenzene	0.261	0.255	0.251	0.237	0.235	0.242	0.237	0.245	4.26
69)		Atrazine	0.204	0.189	0.155	0.156	0.127	0.138	0.133	0.157	18.48
70)	C	Pentachlorophenol	0.105	0.121	0.133	0.138	0.139	0.144	0.142	0.132	10.59
71)		Phenanthrene	1.082	1.044	1.004	0.915	0.885	0.902	0.849	0.954	9.28
72)		Anthracene	1.071	1.014	0.984	0.894	0.881	0.876	0.832	0.936	9.34
73)		Carbazole	0.973	0.919	0.901	0.822	0.805	0.809	0.759	0.855	8.93
74)		Di-n-butylphth...	1.119	1.096	1.062	0.975	0.961	0.966	0.907	1.012	7.87
75)	C	Fluoranthene	1.157	1.101	1.044	0.950	0.928	0.935	0.870	0.998	10.48
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.507	0.466	0.380	0.490	0.365	0.249	0.281	0.391	25.96
78)		Pyrene	1.851	1.733	1.728	1.590	1.572	1.596	1.490	1.651	7.49
79)	S	Terphenyl-d14	1.383	1.309	1.258	1.159	1.164	1.180	1.093	1.221	8.25
80)		Butylbenzylpht...	0.580	0.596	0.613	0.597	0.601	0.612	0.564	0.595	2.95
81)		Benzo(a)anthra...	1.386	1.344	1.345	1.232	1.232	1.254	1.193	1.284	5.71
82)		3,3'-Dichlorob...	0.387	0.409	0.410	0.417	0.406	0.401	0.392	0.403	2.57
83)		Chrysene	1.320	1.264	1.206	1.154	1.177	1.180	1.113	1.202	5.81
84)		Bis(2-ethylhex...	0.868	0.858	0.858	0.819	0.825	0.830	0.775	0.833	3.82
85)	c	Di-n-octyl pht...	1.201	1.234	1.283	1.267	1.265	1.291	1.240	1.254	2.52

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110524.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.107	1.110	1.213	1.195	1.172	1.230	1.191	1.174	4.11
88)		Benzo(b)fluora...	1.300	1.184	1.214	1.245	1.125	1.286	1.115	1.210	6.05
89)		Benzo(k)fluora...	1.214	1.230	1.206	1.027	1.085	0.975	1.034	1.110	9.46
90)	C	Benzo(a)pyrene	1.023	0.999	1.022	0.993	0.975	1.006	0.964	0.997	2.23
91)		Dibenzo(a,h)an...	0.917	0.923	0.998	0.979	0.968	1.000	0.976	0.966	3.44
92)		Benzo(g,h,i)pe...	0.949	0.941	1.017	0.994	0.977	1.017	1.002	0.985	3.13

(#) = Out of Range

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 13 14:40:06 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140332.D 5 =BF140333.D 10 =BF140334.D 20 =BF140335.D 40 =BF140340.D 50 =BF140337.D 60 =BF140338.D 80 =BF1403
39.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.582	0.546	0.530	0.515	0.495	0.506	0.480	0.522	6.53
3)		Pyridine		1.430	1.343	1.323	1.316	1.189	1.237	1.147	1.283	7.61
4)		n-Nitrosodimet...		0.658	0.632	0.651	0.659	0.644	0.671	0.627	0.649	2.39
5)	S	2-Fluorophenol		1.329	1.257	1.223	1.150	1.090	1.118	1.032	1.171	8.84
6)		Aniline		1.587	1.527	1.495	1.451	1.267	1.270	1.066	1.381	13.42
7)	S	Phenol-d6		1.773	1.691	1.643	1.605	1.483	1.507	1.407	1.587	8.09
8)		2-Chlorophenol		1.397	1.349	1.332	1.263	1.176	1.184	1.106	1.258	8.49
9)		Benzaldehyde		1.101	1.087	1.017	0.891	0.828	0.783		0.951	14.32
10)	C	Phenol		1.799	1.793	1.743	1.724	1.582	1.597	1.478	1.674	7.31
11)		bis(2-Chloroet...		1.359	1.294	1.306	1.263	1.227	1.249	1.179	1.268	4.60
12)		1,3-Dichlorobe...		1.585	1.475	1.454	1.374	1.291	1.317	1.221	1.388	8.98
13)	C	1,4-Dichlorobe...		1.590	1.534	1.486	1.391	1.306	1.326	1.221	1.408	9.49
14)		1,2-Dichlorobe...		1.494	1.429	1.398	1.294	1.212	1.214	1.108	1.307	10.63
15)		Benzyl Alcohol		1.172	1.193	1.199	1.211	1.100	1.108	1.020	1.143	6.10
16)		2,2'-oxybis(1-...		1.906	1.826	1.815	1.816	1.666	1.684	1.549	1.752	7.01
17)		2-Methylphenol		1.092	1.062	1.072	1.064	0.998	1.016	0.942	1.035	5.07
18)		Hexachloroethane		0.562	0.543	0.550	0.514	0.500	0.506	0.468	0.520	6.30
19)	P	n-Nitroso-di-n...	1.032	1.029	1.003	0.986	0.982	0.883	0.905	0.848	0.959	7.30
20)		3+4-Methylphenols		1.436	1.427	1.359	1.351	1.200	1.198	1.091	1.294	10.21
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.532	0.508	0.481	0.450	0.434	0.441	0.411	0.465	9.35
23)	S	Nitrobenzene-d5		0.411	0.401	0.399	0.375	0.368	0.379	0.354	0.384	5.28
24)		Nitrobenzene		0.423	0.421	0.406	0.393	0.390	0.394	0.371	0.400	4.61
25)		Isophorone		0.736	0.702	0.692	0.674	0.654	0.671	0.634	0.680	4.87
26)	C	2-Nitrophenol		0.175	0.179	0.181	0.179	0.175	0.181	0.171	0.177	1.99
27)		2,4-Dimethylph...		0.238	0.236	0.232	0.223	0.221	0.227	0.214	0.227	3.86
28)		bis(2-Chloroet...		0.461	0.442	0.430	0.407	0.398	0.404	0.379	0.417	6.80
29)	C	2,4-Dichloroph...		0.307	0.296	0.287	0.275	0.272	0.272	0.255	0.281	6.20
30)		1,2,4-Trichlor...		0.346	0.331	0.325	0.302	0.298	0.301	0.283	0.312	7.15
31)		Naphthalene		1.160	1.105	1.064	0.982	0.950	0.955	0.886	1.015	9.60
32)		Benzoic acid		0.162	0.178	0.180	0.212	0.215	0.226	0.226	0.200	13.01
33)		4-Chloroaniline		0.390	0.386	0.370	0.340	0.333	0.340	0.311	0.353	8.36
34)	C	Hexachlorobuta...		0.220	0.214	0.210	0.193	0.188	0.190	0.178	0.199	7.73
35)		Caprolactam		0.098	0.093	0.094	0.092	0.091	0.095	0.089	0.093	3.27
36)	C	4-Chloro-3-met...		0.331	0.327	0.320	0.309	0.299	0.304	0.287	0.311	5.14
37)		2-Methylnaphth...		0.751	0.706	0.683	0.632	0.610	0.607	0.565	0.651	10.01
38)		1-Methylnaphth...		0.734	0.696	0.673	0.625	0.589	0.592	0.550	0.637	10.39

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111324.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.646	0.585	0.583	0.531	0.524	0.517	0.485	0.553	9.85
41)	P	Hexachlorocycl...		0.111	0.143	0.139	0.156	0.159	0.145	0.142	12.04
42)	S	2,4,6-Tribromo...	0.220	0.211	0.207	0.193	0.191	0.189	0.182	0.199	6.88
43)	C	2,4,6-Trichlor...	0.380	0.374	0.374	0.360	0.360	0.352	0.341	0.363	3.87
44)		2,4,5-Trichlor...	0.421	0.417	0.412	0.389	0.387	0.390	0.361	0.397	5.41
45)	S	2-Fluorobiphenyl	1.524	1.396	1.351	1.172	1.125	1.110	1.031	1.244	14.50
46)		1,1'-Biphenyl	1.690	1.571	1.565	1.404	1.368	1.343	1.244	1.455	10.80
47)		2-Chloronaphth...	1.279	1.182	1.149	1.065	1.064	1.049	0.971	1.108	9.20
48)		2-Nitroaniline	0.378	0.365	0.384	0.364	0.365	0.366	0.351	0.368	2.91
49)		Acenaphthylene	1.940	1.802	1.786	1.636	1.582	1.552	1.441	1.677	10.29
50)		Dimethylphthalate	1.464	1.358	1.371	1.261	1.246	1.244	1.181	1.304	7.47
51)		2,6-Dinitrotol...	0.317	0.303	0.313	0.297	0.291	0.289	0.268	0.297	5.57
52)	C	Acenaphthene	1.259	1.204	1.192	1.096	1.091	1.079	1.006	1.133	7.78
53)		3-Nitroaniline	0.333	0.327	0.335	0.310	0.307	0.298	0.275	0.312	6.92
54)	P	2,4-Dinitrophenol		0.109	0.148	0.147	0.178	0.170	0.168	0.153	16.27
55)		Dibenzofuran	1.904	1.736	1.715	1.558	1.502	1.466	1.344	1.603	11.92
56)	P	4-Nitrophenol	0.199	0.217	0.239	0.236	0.240	0.237	0.225	0.228	6.67
57)		2,4-Dinitrotol...	0.414	0.400	0.417	0.387	0.387	0.382	0.351	0.391	5.77
58)		Fluorene	1.525	1.403	1.365	1.202	1.168	1.137	1.066	1.267	13.14
59)		2,3,4,6-Tetrac...	0.322	0.328	0.326	0.318	0.308	0.302	0.288	0.313	4.61
60)		Diethylphthalate	1.525	1.417	1.398	1.287	1.272	1.246	1.185	1.333	8.85
61)		4-Chlorophenyl...	0.739	0.688	0.669	0.604	0.583	0.567	0.528	0.625	12.01
62)		4-Nitroaniline	0.335	0.325	0.328	0.319	0.316	0.313	0.297	0.319	3.86
63)		Azobenzene	1.498	1.391	1.380	1.293	1.251	1.244	1.163	1.317	8.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.080	0.098	0.113	0.109	0.117	0.120	0.116	0.108	13.00
66)	c	n-Nitrosodiphe...	0.651	0.630	0.600	0.559	0.541	0.541	0.522	0.578	8.57
67)		4-Bromophenyl-...	0.227	0.210	0.209	0.194	0.191	0.188	0.180	0.200	8.14
68)		Hexachlorobenzene	0.251	0.242	0.232	0.218	0.209	0.215	0.208	0.225	7.54
69)		Atrazine	0.191	0.183	0.135	0.145	0.155	0.205	0.209	0.175	17.03
70)	C	Pentachlorophenol	0.097	0.108	0.124	0.127	0.131	0.130	0.130	0.121	10.87
71)		Phenanthrene	1.096	1.053	0.986	0.903	0.868	0.851	0.820	0.940	11.33
72)		Anthracene	1.071	1.018	0.966	0.889	0.860	0.839	0.803	0.921	10.81
73)		Carbazole	1.053	1.009	0.963	0.876	0.846	0.834	0.783	0.909	11.02
74)		Di-n-butylphth...	1.214	1.177	1.150	1.074	1.036	1.023	0.964	1.091	8.37
75)	C	Fluoranthene	1.256	1.201	1.141	1.018	0.962	0.933	0.867	1.054	13.92
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.634	0.684	0.653	0.742	0.953	0.939	0.768	18.64
78)		Pyrene	1.748	1.706	1.643	1.679	1.728	1.800	1.672	1.711	3.08
79)	S	Terphenyl-d14	1.226	1.185	1.108	1.123	1.139	1.190	1.093	1.152	4.26
80)		Butylbenzylpht...	0.640	0.638	0.654	0.690	0.670	0.681	0.628	0.657	3.56
81)		Benzo(a)anthra...	1.451	1.418	1.351	1.263	1.229	1.294	1.195	1.314	7.31
82)		3,3'-Dichlorob...	0.438	0.431	0.433	0.402	0.406	0.416	0.399	0.418	3.79
83)		Chrysene	1.394	1.241	1.235	1.168	1.137	1.123	1.099	1.199	8.44
84)		Bis(2-ethylhex...	0.886	0.890	0.897	0.927	0.858	0.869	0.813	0.877	4.07
85)	c	Di-n-octyl pht...	1.231	1.217	1.270	1.290	1.187	1.241	1.212	1.235	2.86

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111324.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.116	1.150	1.138	1.258	1.316	1.354	1.317	1.235	8.02
88)		Benzo(b)fluora...	1.405	1.352	1.471	1.263	1.235	1.233	1.199	1.308	7.82
89)		Benzo(k)fluora...	1.286	1.241	1.120	1.060	0.952	0.935	0.888	1.069	14.47
90)	C	Benzo(a)pyrene	1.100	1.053	1.054	1.005	0.970	0.980	0.948	1.016	5.40
91)		Dibenzo(a,h)an...	0.941	0.952	0.944	1.039	1.074	1.121	1.077	1.021	7.30
92)		Benzo(g,h,i)pe...	0.941	0.963	0.954	1.063	1.122	1.146	1.120	1.044	8.55

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_E Calibration Date/Time: 11/08/2024 10:07

Lab File ID: BE101544.D Init. Calib. Date(s): 11/06/2024 11/06/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:51 18:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.131	1.156		2.2	
Benzaldehyde	0.759	0.657		-13.4	
Phenol-d6	1.551	1.606		3.5	
Phenol	1.688	1.758		4.1	20.0
bis(2-Chloroethyl)ether	1.397	1.613		15.5	
2-Chlorophenol	1.340	1.363		1.7	
2-Methylphenol	1.093	1.113		1.8	
2,2-oxybis(1-Chloropropane)	1.654	1.702		2.9	
Acetophenone	0.453	0.453		0.0	
3+4-Methylphenols	1.515	1.581		4.4	
n-Nitroso-di-n-propylamine	1.023	1.081	0.050	5.7	
Nitrobenzene-d5	0.317	0.329		3.8	
Hexachloroethane	0.500	0.497		-0.6	
Nitrobenzene	0.329	0.344		4.6	
Isophorone	0.616	0.644		4.5	
2-Nitrophenol	0.175	0.181		3.4	20.0
2,4-Dimethylphenol	0.203	0.203		0.0	
bis(2-Chloroethoxy)methane	0.377	0.379		0.5	
2,4-Dichlorophenol	0.288	0.295		2.4	20.0
Naphthalene	1.010	1.009		-0.1	
4-Chloroaniline	0.355	0.376		5.9	
Hexachlorobutadiene	0.198	0.190		-4.0	20.0
Caprolactam	0.106	0.121		14.2	
4-Chloro-3-methylphenol	0.314	0.342		8.9	20.0
2-Methylnaphthalene	0.717	0.735		2.5	
Hexachlorocyclopentadiene	0.154	0.152	0.050	-1.3	
2,4,6-Trichlorophenol	0.362	0.358		-1.1	20.0
2-Fluorobiphenyl	1.225	1.192		-2.7	
2,4,5-Trichlorophenol	0.403	0.404		0.2	
1,1-Biphenyl	1.380	1.327		-3.8	
2-Chloronaphthalene	1.088	1.047		-3.8	
2-Nitroaniline	0.288	0.319		10.8	
Dimethylphthalate	1.424	1.446		1.5	
Acenaphthylene	1.622	1.637		0.9	
2,6-Dinitrotoluene	0.329	0.343		4.3	
3-Nitroaniline	0.319	0.354		11.0	
Acenaphthene	1.035	1.044		0.9	20.0
2,4-Dinitrophenol	0.193	0.221	0.050	14.5	
4-Nitrophenol	0.264	0.296	0.050	12.1	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_E Calibration Date/Time: 11/08/2024 10:07

Lab File ID: BE101544.D Init. Calib. Date(s): 11/06/2024 11/06/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:51 18:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.666	1.672		0.4	
2,4-Dinitrotoluene	0.462	0.497		7.6	
Diethylphthalate	1.502	1.558		3.7	
4-Chlorophenyl-phenylether	0.706	0.710		0.6	
Fluorene	1.391	1.437		3.3	
4-Nitroaniline	0.344	0.392		14.0	
4,6-Dinitro-2-methylphenol	0.119	0.132		10.9	
n-Nitrosodiphenylamine	0.531	0.536		0.9	20.0
2,4,6-Tribromophenol	0.376	0.380		1.1	
4-Bromophenyl-phenylether	0.221	0.214		-3.2	
Hexachlorobenzene	0.290	0.292		0.7	
Atrazine	0.157	0.168		7.0	
Pentachlorophenol	0.158	0.168		6.3	20.0
Phenanthrene	0.973	0.978		0.5	
Anthracene	0.961	0.978		1.8	
Carbazole	0.963	0.979		1.7	
Di-n-butylphthalate	1.190	1.202		1.0	
Fluoranthene	1.247	1.249		0.2	20.0
Pyrene	1.138	1.173		3.1	
Terphenyl-d14	0.904	0.945		4.5	
Butylbenzylphthalate	0.511	0.521		2.0	
3,3-Dichlorobenzidine	0.468	0.476		1.7	
Benzo(a)anthracene	1.188	1.217		2.4	
Chrysene	1.129	1.139		0.9	
Bis(2-ethylhexyl)phthalate	0.773	0.763		-1.3	
Di-n-octyl phthalate	1.308	1.299		-0.7	20.0
Benzo(b)fluoranthene	1.097	1.076		-1.9	
Benzo(k)fluoranthene	0.996	1.042		4.6	
Benzo(a)pyrene	0.947	0.958		1.2	20.0
Indeno(1,2,3-cd)pyrene	1.374	1.383		0.7	
Dibenzo(a,h)anthracene	1.145	1.159		1.2	
Benzo(g,h,i)perylene	1.163	1.145		-1.5	
1,2,4,5-Tetrachlorobenzene	0.527	0.489		-7.2	
1,4-Dioxane	0.421	0.429		1.9	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.380		1.9	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date/Time: 11/07/2024 08:59

Lab File ID: BF140261.D Init. Calib. Date(s): 11/05/2024 11/05/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:26 15:30

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.207	1.165		-3.5	
Benzaldehyde	0.956	0.810		-15.3	
Phenol-d6	1.552	1.463		-5.7	
Phenol	1.649	1.561		-5.3	20.0
bis(2-Chloroethyl)ether	1.252	1.210		-3.4	
2-Chlorophenol	1.263	1.231		-2.5	
2-Methylphenol	1.053	1.018		-3.3	
2,2-oxybis(1-Chloropropane)	2.027	1.887		-6.9	
Acetophenone	0.496	0.470		-5.2	
3+4-Methylphenols	1.323	1.261		-4.7	
n-Nitroso-di-n-propylamine	0.990	0.931	0.050	-6.0	
Nitrobenzene-d5	0.402	0.382		-5.0	
Hexachloroethane	0.556	0.541		-2.7	
Nitrobenzene	0.422	0.399		-5.4	
Isophorone	0.693	0.666		-3.9	
2-Nitrophenol	0.168	0.177		5.4	20.0
2,4-Dimethylphenol	0.228	0.227		-0.4	
bis(2-Chloroethoxy)methane	0.415	0.403		-2.9	
2,4-Dichlorophenol	0.283	0.288		1.8	20.0
Naphthalene	1.033	0.994		-3.8	
4-Chloroaniline	0.340	0.337		-0.9	
Hexachlorobutadiene	0.229	0.225		-1.7	20.0
Caprolactam	0.086	0.089		3.5	
4-Chloro-3-methylphenol	0.315	0.313		-0.6	20.0
2-Methylnaphthalene	0.674	0.656		-2.7	
Hexachlorocyclopentadiene	0.164	0.179	0.050	9.1	
2,4,6-Trichlorophenol	0.363	0.369		1.7	20.0
2-Fluorobiphenyl	1.253	1.179		-5.8	
2,4,5-Trichlorophenol	0.381	0.390		2.4	
1,1-Biphenyl	1.446	1.384		-4.3	
2-Chloronaphthalene	1.088	1.060		-2.6	
2-Nitroaniline	0.364	0.353		-3.0	
Dimethylphthalate	1.232	1.219		-1.1	
Acenaphthylene	1.540	1.494		-3.0	
2,6-Dinitrotoluene	0.290	0.293		1.0	
3-Nitroaniline	0.273	0.272		-0.4	
Acenaphthene	1.093	1.068		-2.3	20.0
2,4-Dinitrophenol	0.120	0.130	0.050	8.3	
4-Nitrophenol	0.192	0.199	0.050	3.6	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date/Time: 11/07/2024 08:59

Lab File ID: BF140261.D Init. Calib. Date(s): 11/05/2024 11/05/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:26 15:30

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.528	1.498		-2.0	
2,4-Dinitrotoluene	0.376	0.389		3.5	
Diethylphthalate	1.224	1.230		0.5	
4-Chlorophenyl-phenylether	0.613	0.600		-2.1	
Fluorene	1.216	1.168		-3.9	
4-Nitroaniline	0.271	0.275		1.5	
4,6-Dinitro-2-methylphenol	0.105	0.111		5.7	
n-Nitrosodiphenylamine	0.575	0.555		-3.5	20.0
2,4,6-Tribromophenol	0.198	0.209		5.6	
4-Bromophenyl-phenylether	0.215	0.217		0.9	
Hexachlorobenzene	0.245	0.246		0.4	
Atrazine	0.157	0.164		4.5	
Pentachlorophenol	0.132	0.145		9.8	20.0
Phenanthrene	0.954	0.929		-2.6	
Anthracene	0.936	0.894		-4.5	
Carbazole	0.855	0.830		-2.9	
Di-n-butylphthalate	1.012	1.017		0.5	
Fluoranthene	0.998	0.976		-2.2	20.0
Pyrene	1.651	1.654		0.2	
Terphenyl-d14	1.221	1.218		-0.2	
Butylbenzylphthalate	0.595	0.651		9.4	
3,3-Dichlorobenzidine	0.403	0.401		-0.5	
Benzo(a)anthracene	1.284	1.263		-1.6	
Chrysene	1.202	1.168		-2.8	
Bis(2-ethylhexyl)phthalate	0.833	0.864		3.7	
Di-n-octyl phthalate	1.254	1.310		4.5	20.0
Benzo(b)fluoranthene	1.210	1.159		-4.2	
Benzo(k)fluoranthene	1.110	1.122		1.1	
Benzo(a)pyrene	0.997	0.992		-0.5	20.0
Indeno(1,2,3-cd)pyrene	1.174	1.165		-0.8	
Dibenzo(a,h)anthracene	0.966	0.952		-1.4	
Benzo(g,h,i)perylene	0.985	0.966		-1.9	
1,2,4,5-Tetrachlorobenzene	0.586	0.573		-2.2	
1,4-Dioxane	0.555	0.516		-7.0	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.327		4.5	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date/Time: 11/08/2024 09:35

Lab File ID: BF140286.D Init. Calib. Date(s): 11/05/2024 11/05/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:26 15:30

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.207	1.151		-4.6	
Benzaldehyde	0.956	0.854		-10.7	
Phenol-d6	1.552	1.455		-6.3	
Phenol	1.649	1.581		-4.1	20.0
bis(2-Chloroethyl)ether	1.252	1.205		-3.8	
2-Chlorophenol	1.263	1.225		-3.0	
2-Methylphenol	1.053	1.025		-2.7	
2,2-oxybis(1-Chloropropane)	2.027	1.804		-11.0	
Acetophenone	0.496	0.461		-7.1	
3+4-Methylphenols	1.323	1.267		-4.2	
n-Nitroso-di-n-propylamine	0.990	0.931	0.050	-6.0	
Nitrobenzene-d5	0.402	0.378		-6.0	
Hexachloroethane	0.556	0.530		-4.7	
Nitrobenzene	0.422	0.398		-5.7	
Isophorone	0.693	0.668		-3.6	
2-Nitrophenol	0.168	0.176		4.8	20.0
2,4-Dimethylphenol	0.228	0.230		0.9	
bis(2-Chloroethoxy)methane	0.415	0.405		-2.4	
2,4-Dichlorophenol	0.283	0.285		0.7	20.0
Naphthalene	1.033	0.978		-5.3	
4-Chloroaniline	0.340	0.343		0.9	
Hexachlorobutadiene	0.229	0.225		-1.7	20.0
Caprolactam	0.086	0.095		10.5	
4-Chloro-3-methylphenol	0.315	0.322		2.2	20.0
2-Methylnaphthalene	0.674	0.666		-1.2	
Hexachlorocyclopentadiene	0.164	0.175	0.050	6.7	
2,4,6-Trichlorophenol	0.363	0.362		-0.3	20.0
2-Fluorobiphenyl	1.253	1.125		-10.1	
2,4,5-Trichlorophenol	0.381	0.388		1.8	
1,1-Biphenyl	1.446	1.339		-7.4	
2-Chloronaphthalene	1.088	1.015		-6.7	
2-Nitroaniline	0.364	0.344		-5.5	
Dimethylphthalate	1.232	1.215		-1.4	
Acenaphthylene	1.540	1.478		-4.0	
2,6-Dinitrotoluene	0.290	0.297		2.4	
3-Nitroaniline	0.273	0.281		2.9	
Acenaphthene	1.093	1.061		-2.9	20.0
2,4-Dinitrophenol	0.120	0.153	0.050	27.5	
4-Nitrophenol	0.192	0.219	0.050	14.1	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date/Time: 11/08/2024 09:35

Lab File ID: BF140286.D Init. Calib. Date(s): 11/05/2024 11/05/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:26 15:30

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.528	1.462		-4.3	
2,4-Dinitrotoluene	0.376	0.395		5.1	
Diethylphthalate	1.224	1.226		0.2	
4-Chlorophenyl-phenylether	0.613	0.600		-2.1	
Fluorene	1.216	1.159		-4.7	
4-Nitroaniline	0.271	0.289		6.6	
4,6-Dinitro-2-methylphenol	0.105	0.122		16.2	
n-Nitrosodiphenylamine	0.575	0.536		-6.8	20.0
2,4,6-Tribromophenol	0.198	0.223		12.6	
4-Bromophenyl-phenylether	0.215	0.216		0.5	
Hexachlorobenzene	0.245	0.245		0.0	
Atrazine	0.157	0.167		6.4	
Pentachlorophenol	0.132	0.154		16.7	20.0
Phenanthrene	0.954	0.897		-6.0	
Anthracene	0.936	0.882		-5.8	
Carbazole	0.855	0.825		-3.5	
Di-n-butylphthalate	1.012	1.018		0.6	
Fluoranthene	0.998	0.986		-1.2	20.0
Pyrene	1.651	1.589		-3.8	
Terphenyl-d14	1.221	1.161		-4.9	
Butylbenzylphthalate	0.595	0.628		5.5	
3,3-Dichlorobenzidine	0.403	0.404		0.2	
Benzo(a)anthracene	1.284	1.258		-2.0	
Chrysene	1.202	1.131		-5.9	
Bis(2-ethylhexyl)phthalate	0.833	0.852		2.3	
Di-n-octyl phthalate	1.254	1.261		0.6	20.0
Benzo(b)fluoranthene	1.210	1.184		-2.1	
Benzo(k)fluoranthene	1.110	1.151		3.7	
Benzo(a)pyrene	0.997	0.994		-0.3	20.0
Indeno(1,2,3-cd)pyrene	1.174	1.140		-2.9	
Dibenzo(a,h)anthracene	0.966	0.930		-3.7	
Benzo(g,h,i)perylene	0.985	0.945		-4.1	
1,2,4,5-Tetrachlorobenzene	0.586	0.547		-6.7	
1,4-Dioxane	0.555	0.510		-8.1	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.333		6.4	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date/Time: 11/14/2024 17:02

Lab File ID: BF140366.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.171	1.188		1.5	
Benzaldehyde	0.951	0.861		-9.5	
Phenol-d6	1.587	1.578		-0.6	
Phenol	1.674	1.678		0.2	20.0
bis(2-Chloroethyl)ether	1.268	1.243		-2.0	
2-Chlorophenol	1.258	1.256		-0.2	
2-Methylphenol	1.035	1.033		-0.2	
2,2-oxybis(1-Chloropropane)	1.752	1.678		-4.2	
Acetophenone	0.465	0.463		-0.4	
3+4-Methylphenols	1.295	1.288		-0.5	
n-Nitroso-di-n-propylamine	0.959	0.909	0.050	-5.2	
Nitrobenzene-d5	0.384	0.381		-0.8	
Hexachloroethane	0.520	0.504		-3.1	
Nitrobenzene	0.400	0.401		0.3	
Isophorone	0.680	0.661		-2.8	
2-Nitrophenol	0.177	0.178		0.6	20.0
2,4-Dimethylphenol	0.227	0.227		0.0	
bis(2-Chloroethoxy)methane	0.417	0.404		-3.1	
2,4-Dichlorophenol	0.281	0.281		0.0	20.0
Naphthalene	1.015	1.009		-0.6	
4-Chloroaniline	0.353	0.327		-7.4	
Hexachlorobutadiene	0.199	0.195		-2.0	20.0
Caprolactam	0.093	0.094		1.1	
4-Chloro-3-methylphenol	0.311	0.311		0.0	20.0
2-Methylnaphthalene	0.651	0.642		-1.4	
Hexachlorocyclopentadiene	0.142	0.133	0.050	-6.3	
2,4,6-Trichlorophenol	0.363	0.368		1.4	20.0
2-Fluorobiphenyl	1.244	1.231		-1.0	
2,4,5-Trichlorophenol	0.397	0.409		3.0	
1,1-Biphenyl	1.455	1.467		0.8	
2-Chloronaphthalene	1.108	1.111		0.3	
2-Nitroaniline	0.368	0.374		1.6	
Dimethylphthalate	1.304	1.272		-2.5	
Acenaphthylene	1.677	1.672		-0.3	
2,6-Dinitrotoluene	0.297	0.303		2.0	
3-Nitroaniline	0.312	0.313		0.3	
Acenaphthene	1.133	1.135		0.2	20.0
2,4-Dinitrophenol	0.153	0.154	0.050	0.7	
4-Nitrophenol	0.228	0.236	0.050	3.5	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date/Time: 11/14/2024 17:02

Lab File ID: BF140366.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.603	1.616		0.8	
2,4-Dinitrotoluene	0.391	0.397		1.5	
Diethylphthalate	1.333	1.281		-3.9	
4-Chlorophenyl-phenylether	0.625	0.604		-3.4	
Fluorene	1.267	1.256		-0.9	
4-Nitroaniline	0.319	0.328		2.8	
4,6-Dinitro-2-methylphenol	0.108	0.114		5.6	
n-Nitrosodiphenylamine	0.578	0.569		-1.6	20.0
2,4,6-Tribromophenol	0.199	0.200		0.5	
4-Bromophenyl-phenylether	0.200	0.193		-3.5	
Hexachlorobenzene	0.225	0.223		-0.9	
Atrazine	0.175	0.164		-6.3	
Pentachlorophenol	0.121	0.124		2.5	20.0
Phenanthrene	0.940	0.926		-1.5	
Anthracene	0.921	0.905		-1.7	
Carbazole	0.909	0.912		0.3	
Di-n-butylphthalate	1.091	1.021		-6.4	
Fluoranthene	1.054	1.029		-2.4	20.0
Pyrene	1.711	1.783		4.2	
Terphenyl-d14	1.152	1.148		-0.3	
Butylbenzylphthalate	0.657	0.642		-2.3	
3,3-Dichlorobenzidine	0.418	0.409		-2.2	
Benzo(a)anthracene	1.314	1.308		-0.5	
Chrysene	1.199	1.156		-3.6	
Bis(2-ethylhexyl)phthalate	0.877	0.791		-9.8	
Di-n-octyl phthalate	1.235	1.083		-12.3	20.0
Benzo(b)fluoranthene	1.308	1.240		-5.2	
Benzo(k)fluoranthene	1.069	1.043		-2.4	
Benzo(a)pyrene	1.016	1.000		-1.6	20.0
Indeno(1,2,3-cd)pyrene	1.235	1.295		4.9	
Dibenzo(a,h)anthracene	1.021	1.058		3.6	
Benzo(g,h,i)perylene	1.044	1.108		6.1	
1,2,4,5-Tetrachlorobenzene	0.553	0.555		0.4	
1,4-Dioxane	0.522	0.547		4.8	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.320		2.2	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Alliance TECHNICAL GROUP
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LAB CHRONICLE

OrderID:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-04	**WC-1(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP BNA	8270E		11/07/24	11/08/24	
P4722-09	**WC-2(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP BNA	8270E		11/07/24	11/08/24	
P4722-14	**WC-3(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP BNA	8270E		11/07/24	11/08/24	

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Hit Summary Sheet
SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :		**0.00**			
			Total Concentration:		**0.00**			

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-04	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101562.D	1	11/07/24 11:30	11/08/24 21:06	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	132		10 - 139	88%	SPK: 150
13127-88-3	Phenol-d6	107		10 - 134	71%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.3		49 - 133	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.4		52 - 132	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	155		44 - 137	103%	SPK: 150
1718-51-0	Terphenyl-d14	111		48 - 125	111%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	43600	7.559			
1146-65-2	Naphthalene-d8	181000	10.326			
15067-26-2	Acenaphthene-d10	121000	14.163			
1517-22-2	Phenanthrene-d10	294000	16.901			
1719-03-5	Chrysene-d12	363000	21.067			
1520-96-3	Perylene-d12	463000	23.346			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-04	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101562.D	1	11/07/24 11:30	11/08/24 21:06	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-09	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101561.D	1	11/07/24 11:30	11/08/24 20:30	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	155		10 - 139	103%	SPK: 150
13127-88-3	Phenol-d6	129		10 - 134	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	106		49 - 133	106%	SPK: 100
321-60-8	2-Fluorobiphenyl	103		52 - 132	103%	SPK: 100
118-79-6	2,4,6-Tribromophenol	162		44 - 137	108%	SPK: 150
1718-51-0	Terphenyl-d14	121		48 - 125	121%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	40500	7.559			
1146-65-2	Naphthalene-d8	171000	10.326			
15067-26-2	Acenaphthene-d10	113000	14.168			
1517-22-2	Phenanthrene-d10	271000	16.906			
1719-03-5	Chrysene-d12	325000	21.066			
1520-96-3	Perylene-d12	419000	23.352			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-09	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101561.D	1	11/07/24 11:30	11/08/24 20:30	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-14	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101560.D	1	11/07/24 11:30	11/08/24 19:54	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	140		10 - 139	94%	SPK: 150
13127-88-3	Phenol-d6	123		10 - 134	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.7		49 - 133	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.4		52 - 132	97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159		44 - 137	106%	SPK: 150
1718-51-0	Terphenyl-d14	114		48 - 125	114%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	43400	7.559			
1146-65-2	Naphthalene-d8	177000	10.326			
15067-26-2	Acenaphthene-d10	120000	14.169			
1517-22-2	Phenanthrene-d10	291000	16.907			
1719-03-5	Chrysene-d12	362000	21.066			
1520-96-3	Perylene-d12	470000	23.346			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-14	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101560.D	1	11/07/24 11:30	11/08/24 19:54	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PB164694TB	SDG No.:	P4722
Lab Sample ID:	PB164694TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101547.D	1	11/07/24 11:30	11/08/24 12:03	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	177		10 - 139	118%	SPK: 150
13127-88-3	Phenol-d6	166		10 - 134	111%	SPK: 150
4165-60-0	Nitrobenzene-d5	110		49 - 133	110%	SPK: 100
321-60-8	2-Fluorobiphenyl	110		52 - 132	110%	SPK: 100
118-79-6	2,4,6-Tribromophenol	157		44 - 137	104%	SPK: 150
1718-51-0	Terphenyl-d14	112		48 - 125	112%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	34900	7.555			
1146-65-2	Naphthalene-d8	150000	10.329			
15067-26-2	Acenaphthene-d10	99900	14.171			
1517-22-2	Phenanthrene-d10	241000	16.909			
1719-03-5	Chrysene-d12	325000	21.069			
1520-96-3	Perylene-d12	415000	23.349			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PB164694TB	SDG No.:	P4722
Lab Sample ID:	PB164694TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101547.D	1	11/07/24 11:30	11/08/24 12:03	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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,
Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4722-04	WC-1(0-6)	2-Fluorophenol	150	132	88		10	139
		Phenol-d6	150	107	71		10	134
		Nitrobenzene-d5	100	96.3	96		49	133
		2-Fluorobiphenyl	100	94.4	94		52	132
		2,4,6-Tribromophenol	150	155	103		44	137
		Terphenyl-d14	100	111	111		48	125
P4722-09	WC-2(0-6)	2-Fluorophenol	150	155	103		10	139
		Phenol-d6	150	129	86		10	134
		Nitrobenzene-d5	100	106	106		49	133
		2-Fluorobiphenyl	100	103	103		52	132
		2,4,6-Tribromophenol	150	162	108		44	137
		Terphenyl-d14	100	121	121		48	125
P4722-14	WC-3(0-6)	2-Fluorophenol	150	140	94		10	139
		Phenol-d6	150	123	82		10	134
		Nitrobenzene-d5	100	98.7	99		49	133
		2-Fluorobiphenyl	100	97.4	97		52	132
		2,4,6-Tribromophenol	150	159	106		44	137
		Terphenyl-d14	100	114	114		48	125
P4739-04MS	TP-14MS	2-Fluorophenol	150	175	117		10	139
		Phenol-d6	150	155	103		10	134
		Nitrobenzene-d5	100	112	112		49	133
		2-Fluorobiphenyl	100	110	110		52	132
		2,4,6-Tribromophenol	150	166	110		44	137
		Terphenyl-d14	100	115	115		48	125
P4739-04MSD	TP-14MSD	2-Fluorophenol	150	175	117		10	139
		Phenol-d6	150	156	104		10	134
		Nitrobenzene-d5	100	114	114		49	133
		2-Fluorobiphenyl	100	109	109		52	132
		2,4,6-Tribromophenol	150	168	112		44	137
		Terphenyl-d14	100	115	115		48	125
PB164694TB	PB164694TB	2-Fluorophenol	150	177	118		10	139
		Phenol-d6	150	166	111		10	134
		Nitrobenzene-d5	100	110	110		49	133
		2-Fluorobiphenyl	100	110	110		52	132
		2,4,6-Tribromophenol	150	157	104		44	137
		Terphenyl-d14	100	112	112		48	125
PB164765BL	PB164765BL	2-Fluorophenol	150	148	99		10	139
		Phenol-d6	150	146	97		10	134
		Nitrobenzene-d5	100	101	101		49	133
		2-Fluorobiphenyl	100	94.3	94		52	132
		2,4,6-Tribromophenol	150	184	122		44	137
		Terphenyl-d14	100	96.4	96		48	125
PB164765BS	PB164765BS	2-Fluorophenol	150	175	116		10	139
		Phenol-d6	150	164	109		10	134
		Nitrobenzene-d5	100	103	103		49	133
		2-Fluorobiphenyl	100	103	103		52	132
		2,4,6-Tribromophenol	150	149	99		44	137
		Terphenyl-d14	100	104	104		48	125

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4739-04MS		**Client Sample ID: TP-14MS**						**DataFile: BE101557.D**			
Pyridine	500	0	340	ug/L	68				10	109	
1,4-Dichlorobenzene	500	0	520	ug/L	104				55	125	
2-Methylphenol	500	0	560	ug/L	112				37	126	
3+4-Methylphenols	500	0	540	ug/L	108				31	127	
Hexachloroethane	500	0	520	ug/L	104				49	110	
Nitrobenzene	500	0	540	ug/L	108				62	112	
Hexachlorobutadiene	500	0	510	ug/L	102				52	125	
2,4,6-Trichlorophenol	500	0	590	ug/L	118	*			78	112	
2,4,5-Trichlorophenol	500	0	580	ug/L	116	*			71	111	
2,4-Dinitrotoluene	500	0	550	ug/L	110				50	142	
Hexachlorobenzene	500	0	550	ug/L	110				72	115	
Pentachlorophenol	1000	0	1300	ug/L	130				25	139	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4739-04MSD		**Client Sample ID:** TP-14MSD						**DataFile:** BE101558.D			
Pyridine	500	0	330	ug/L	66		3		10	109	20
1,4-Dichlorobenzene	500	0	510	ug/L	102		2		55	125	20
2-Methylphenol	500	0	550	ug/L	110		2		37	126	20
3+4-Methylphenols	500	0	550	ug/L	110		2		31	127	20
Hexachloroethane	500	0	510	ug/L	102		2		49	110	20
Nitrobenzene	500	0	550	ug/L	110		2		62	112	20
Hexachlorobutadiene	500	0	510	ug/L	102		0		52	125	20
2,4,6-Trichlorophenol	500	0	590	ug/L	118	*	0		78	112	20
2,4,5-Trichlorophenol	500	0	580	ug/L	116	*	0		71	111	20
2,4-Dinitrotoluene	500	0	560	ug/L	112		2		50	142	20
Hexachlorobenzene	500	0	540	ug/L	108		2		72	115	20
Pentachlorophenol	1000	0	1200	ug/L	120		8		25	139	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E **DataFile:** BE101546.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164765BS	Pyridine	50	38.5	ug/L	77				29	97	
	1,4-Dichlorobenzene	50	48.0	ug/L	96				76	103	
	2-Methylphenol	50	53.8	ug/L	108				69	109	
	3+4-Methylphenols	50	52.7	ug/L	105				67	106	
	Hexachloroethane	50	47.3	ug/L	95				76	118	
	Nitrobenzene	50	49.6	ug/L	99				58	106	
	Hexachlorobutadiene	50	44.9	ug/L	90				69	101	
	2,4,6-Trichlorophenol	50	52.2	ug/L	104				61	110	
	2,4,5-Trichlorophenol	50	51.0	ug/L	102				70	106	
	2,4-Dinitrotoluene	50	50.2	ug/L	100				60	115	
	Hexachlorobenzene	50	48.3	ug/L	97				73	106	
	Pentachlorophenol	100	110	ug/L	110				47	114	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164765BL

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: BF140287.D Lab Sample ID: PB164765BL

Instrument ID: BNA_F Date Extracted: 11/07/2024

Matrix: (soil/water) water Date Analyzed: 11/08/2024

Level: (low/med) LOW Time Analyzed: 10:02

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WC-1(0-6)	P4722-04	BE101562.D	11/08/2024
WC-2(0-6)	P4722-09	BE101561.D	11/08/2024
PB164694TB	PB164694TB	BE101547.D	11/08/2024
TP-14MS	P4739-04MS	BE101557.D	11/08/2024
TP-14MSD	P4739-04MSD	BE101558.D	11/08/2024
WC-3(0-6)	P4722-14	BE101560.D	11/08/2024
PB164765BS	PB164765BS	BE101546.D	11/08/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BE101491.D DFTPP Injection Date: 11/06/2024

Instrument ID: BNA_E DFTPP Injection Time: 11:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	14.8
68	Less than 2.0% of mass 69	0.2 (1.3) 1
69	Mass 69 relative abundance	16
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	23.5
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	3.6
275	10.0 - 60.0% of mass 198	18.3
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	16.4
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	BE101493.D	11/06/2024	13:51
SSTDICC005	SSTDICC005	BE101494.D	11/06/2024	14:27
SSTDICC010	SSTDICC010	BE101495.D	11/06/2024	15:03
SSTDICC020	SSTDICC020	BE101496.D	11/06/2024	15:39
SSTDICCC040	SSTDICCC040	BE101497.D	11/06/2024	16:14
SSTDICC050	SSTDICC050	BE101498.D	11/06/2024	16:50
SSTDICC060	SSTDICC060	BE101499.D	11/06/2024	17:26
SSTDICC080	SSTDICC080	BE101500.D	11/06/2024	18:02

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BE101543.D DFTPP Injection Date: 11/08/2024

Instrument ID: BNA_E DFTPP Injection Time: 09:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	16.2
68	Less than 2.0% of mass 69	0.2 (1) 1
69	Mass 69 relative abundance	17.2
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	24.7
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	3.8
275	10.0 - 60.0% of mass 198	19.1
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	16.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BE101544.D	11/08/2024	10:07
PB164765BS	PB164765BS	BE101546.D	11/08/2024	11:27
PB164694TB	PB164694TB	BE101547.D	11/08/2024	12:03
TP-14MS	P4739-04MS	BE101557.D	11/08/2024	18:07
TP-14MSD	P4739-04MSD	BE101558.D	11/08/2024	18:43
WC-3(0-6)	P4722-14	BE101560.D	11/08/2024	19:54
WC-2(0-6)	P4722-09	BE101561.D	11/08/2024	20:30
WC-1(0-6)	P4722-04	BE101562.D	11/08/2024	21:06

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BF140230.D DFTPP Injection Date: 11/05/2024

Instrument ID: BNA_F DFTPP Injection Time: 11:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.4
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	36.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	45.5
197	Less than 2.0% of mass 198	0.7
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	27.8
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 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	BF140231.D	11/05/2024	12:26
SSTDICC005	SSTDICC005	BF140232.D	11/05/2024	12:52
SSTDICC010	SSTDICC010	BF140233.D	11/05/2024	13:18
SSTDICC020	SSTDICC020	BF140234.D	11/05/2024	13:45
SSTDICCC040	SSTDICCC040	BF140235.D	11/05/2024	14:11
SSTDICC050	SSTDICC050	BF140236.D	11/05/2024	14:37
SSTDICC060	SSTDICC060	BF140237.D	11/05/2024	15:03
SSTDICC080	SSTDICC080	BF140238.D	11/05/2024	15:30

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BF140285.D DFTPP Injection Date: 11/08/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.4
68	Less than 2.0% of mass 69	0.5 (2) 1
69	Mass 69 relative abundance	27.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	36.3
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.8
275	10.0 - 60.0% of mass 198	25.2
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 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	BF140286.D	11/08/2024	09:35
PB164765BL	PB164765BL	BF140287.D	11/08/2024	10:02

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/08/2024

Lab File ID: BE101544.D Time Analyzed: 10:07

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	51174	7.558	237509	10.33	179651	14.17
	UPPER LIMIT	102348	8.058	475018	10.826	359302	14.674
	LOWER LIMIT	25587	7.058	118755	9.826	89825.5	13.674
	EPA SAMPLE NO.						
01	PB164765BS	39669	7.56	182397	10.33	121151	14.17
02	PB164694TB	34932	7.56	149600	10.33	99908	14.17
03	WC-1(0-6)	43597	7.56	181077	10.33	121098	14.16
04	WC-2(0-6)	40529	7.56	171441	10.33	113413	14.17
05	WC-3(0-6)	43377	7.56	177204	10.33	120124	14.17
06	TP-14MS	47543	7.56	202399	10.33	130758	14.17
07	TP-14MSD	43513	7.56	182419	10.33	120731	14.17

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: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/08/2024

Lab File ID: BE101544.D Time Analyzed: 10:07

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	420948	16.912	472751	21.072	602462	23.357
	UPPER LIMIT	841896	17.412	945502	21.572	1204920	23.857
	LOWER LIMIT	210474	16.412	236376	20.572	301231	22.857
	EPA SAMPLE NO.						
01	PB164765BS	268998	16.91	348750	21.07	477959	23.35
02	PB164694TB	241198	16.91	324971	21.07	414995	23.35
03	WC-1(0-6)	293866	16.90	362629	21.07	463143	23.35
04	WC-2(0-6)	271101	16.91	324956	21.07	419473	23.35
05	WC-3(0-6)	290802	16.91	361520	21.07	469692	23.35
06	TP-14MS	298419	16.91	369646	21.07	476783	23.35
07	TP-14MSD	285084	16.91	361953	21.07	460616	23.35

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: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/08/2024

Lab File ID: BF140286.D Time Analyzed: 09:35

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	203786	6.881	760595	8.16	473134	9.92
	UPPER LIMIT	407572	7.381	1521190	8.663	946268	10.422
	LOWER LIMIT	101893	6.381	380298	7.663	236567	9.422
	EPA SAMPLE NO.						
01	PB164765BL	180593	6.88	699300	8.16	441390	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: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/08/2024

Lab File ID: BF140286.D Time Analyzed: 09:35

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	883136	11.41	554697	14.063	449723	15.551
	UPPER LIMIT	1766270	11.91	1109390	14.563	899446	16.051
	LOWER LIMIT	441568	10.91	277349	13.563	224862	15.051
	EPA SAMPLE NO.						
01	PB164765BL	869591	11.40	647570	14.05	498484	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.

QC SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164765BL	SDG No.:	P4722
Lab Sample ID:	PB164765BL	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140287.D	1	11/07/24 11:30	11/08/24 10:02	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	148		10 - 139	99%	SPK: 150
13127-88-3	Phenol-d6	146		10 - 134	97%	SPK: 150
4165-60-0	Nitrobenzene-d5	101		49 - 133	101%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.3		52 - 132	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	184		44 - 137	122%	SPK: 150
1718-51-0	Terphenyl-d14	96.4		48 - 125	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	181000	6.875			
1146-65-2	Naphthalene-d8	699000	8.157			
15067-26-2	Acenaphthene-d10	441000	9.916			
1517-22-2	Phenanthrene-d10	870000	11.404			
1719-03-5	Chrysene-d12	648000	14.051			
1520-96-3	Perylene-d12	498000	15.545			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164765BL	SDG No.:	P4722
Lab Sample ID:	PB164765BL	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140287.D	1	11/07/24 11:30	11/08/24 10:02	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164765BS	SDG No.:	P4722
Lab Sample ID:	PB164765BS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101546.D	1	11/07/24 11:30	11/08/24 11:27	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	38.5		1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	48.0		0.84	5.00	ug/L
95-48-7	2-Methylphenol	53.8		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	52.7		1.20	10.0	ug/L
67-72-1	Hexachloroethane	47.3		1.00	5.00	ug/L
98-95-3	Nitrobenzene	49.6		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	44.9		1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	52.2		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	51.0		1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	50.2		1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	48.3		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	175		10 - 139	116%	SPK: 150
13127-88-3	Phenol-d6	164		10 - 134	109%	SPK: 150
4165-60-0	Nitrobenzene-d5	103		49 - 133	103%	SPK: 100
321-60-8	2-Fluorobiphenyl	103		52 - 132	103%	SPK: 100
118-79-6	2,4,6-Tribromophenol	149		44 - 137	99%	SPK: 150
1718-51-0	Terphenyl-d14	104		48 - 125	104%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	39700	7.559			
1146-65-2	Naphthalene-d8	182000	10.326			
15067-26-2	Acenaphthene-d10	121000	14.169			
1517-22-2	Phenanthrene-d10	269000	16.907			
1719-03-5	Chrysene-d12	349000	21.072			
1520-96-3	Perylene-d12	478000	23.352			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164765BS	SDG No.:	P4722
Lab Sample ID:	PB164765BS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101546.D	1	11/07/24 11:30	11/08/24 11:27	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/06/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/06/24
Client Sample ID:	TP-14MS	SDG No.:	P4722
Lab Sample ID:	P4739-04MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101557.D	1	11/07/24 11:30	11/08/24 18:07	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	340		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	520		8.40	50.0	ug/L
95-48-7	2-Methylphenol	560		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	540		11.5	100	ug/L
67-72-1	Hexachloroethane	520		10.1	50.0	ug/L
98-95-3	Nitrobenzene	540		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	510		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	590		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	580		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	550		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	550		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	1300	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	175		10 - 139	117%	SPK: 150
13127-88-3	Phenol-d6	155		10 - 134	103%	SPK: 150
4165-60-0	Nitrobenzene-d5	112		49 - 133	112%	SPK: 100
321-60-8	2-Fluorobiphenyl	110		52 - 132	110%	SPK: 100
118-79-6	2,4,6-Tribromophenol	166		44 - 137	110%	SPK: 150
1718-51-0	Terphenyl-d14	115		48 - 125	115%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	47500	7.558			
1146-65-2	Naphthalene-d8	202000	10.326			
15067-26-2	Acenaphthene-d10	131000	14.168			
1517-22-2	Phenanthrene-d10	298000	16.906			
1719-03-5	Chrysene-d12	370000	21.072			
1520-96-3	Perylene-d12	477000	23.351			

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/06/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/06/24
Client Sample ID:	TP-14MS	SDG No.:	P4722
Lab Sample ID:	P4739-04MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101557.D	1	11/07/24 11:30	11/08/24 18:07	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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
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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/06/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/06/24
Client Sample ID:	TP-14MSD	SDG No.:	P4722
Lab Sample ID:	P4739-04MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101558.D	1	11/07/24 11:30	11/08/24 18:43	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	330		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	510		8.40	50.0	ug/L
95-48-7	2-Methylphenol	550		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	550		11.5	100	ug/L
67-72-1	Hexachloroethane	510		10.1	50.0	ug/L
98-95-3	Nitrobenzene	550		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	510		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	590		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	580		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	560		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	540		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	1200	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	175		10 - 139	117%	SPK: 150
13127-88-3	Phenol-d6	156		10 - 134	104%	SPK: 150
4165-60-0	Nitrobenzene-d5	114		49 - 133	114%	SPK: 100
321-60-8	2-Fluorobiphenyl	109		52 - 132	109%	SPK: 100
118-79-6	2,4,6-Tribromophenol	168		44 - 137	112%	SPK: 150
1718-51-0	Terphenyl-d14	115		48 - 125	115%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	43500	7.558			
1146-65-2	Naphthalene-d8	182000	10.326			
15067-26-2	Acenaphthene-d10	121000	14.168			
1517-22-2	Phenanthrene-d10	285000	16.906			
1719-03-5	Chrysene-d12	362000	21.072			
1520-96-3	Perylene-d12	461000	23.352			

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/06/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/06/24
Client Sample ID:	TP-14MSD	SDG No.:	P4722
Lab Sample ID:	P4739-04MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101558.D	1	11/07/24 11:30	11/08/24 18:43	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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_E

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE110624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 07 00:01:20 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BE101493.D 5 =BE101494.D 10 =BE101495.D 20 =BE101496.D 40 =BE101497.D 50 =BE101498.D 60 =BE101499.D 80 =BE10150
0.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.495	0.458	0.438	0.406	0.378	0.394	0.378	0.421	10.54
3)		Pyridine		1.154	1.183	1.143	1.154	1.192	1.230	1.186	1.177	2.53
4)		n-Nitrosodimet...		0.509	0.465	0.446	0.445	0.461	0.473	0.464	0.466	4.58
5)	S	2-Fluorophenol		1.161	1.135	1.120	1.101	1.114	1.159	1.127	1.131	1.99
6)		Aniline		1.323	1.251	1.316	1.368	1.026	1.044	0.819	1.164	17.52
7)	S	Phenol-d6		1.494	1.525	1.558	1.540	1.571	1.617	1.551	1.551	2.49
8)		2-Chlorophenol		1.339	1.343	1.359	1.316	1.336	1.364	1.324	1.340	1.30
9)		Benzaldehyde		0.902	0.930	0.875	0.767	0.654	0.640	0.542	0.759	19.80
10)	C	Phenol		1.646	1.682	1.702	1.664	1.709	1.764	1.649	1.688	2.45
11)		bis(2-Chloroet...		1.362	1.474	1.392	1.165	1.446	1.447	1.497	1.397	8.03
12)		1,3-Dichlorobe...		1.573	1.526	1.491	1.424	1.410	1.437	1.379	1.463	4.74
13)	C	1,4-Dichlorobe...		1.565	1.543	1.508	1.444	1.437	1.464	1.412	1.482	3.89
14)		1,2-Dichlorobe...		1.559	1.496	1.481	1.418	1.416	1.435	1.378	1.455	4.20
15)		Benzyl Alcohol		0.791	0.861	0.910	0.919	0.958	0.977	0.926	0.906	6.94
16)		2,2'-oxybis(1-...		1.733	1.690	1.700	1.628	1.625	1.636	1.567	1.654	3.41
17)		2-Methylphenol		1.015	1.041	1.073	1.113	1.123	1.163	1.123	1.093	4.76
18)		Hexachloroethane		0.524	0.509	0.507	0.484	0.494	0.501	0.483	0.500	2.95
19)	P	n-Nitroso-di-n...	0.958	0.996	1.040	1.058	1.027	1.046	1.057	0.998	1.023	3.48
20)		3+4-Methylphenols		1.376	1.483	1.529	1.524	1.558	1.606	1.530	1.515	4.74
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.462	0.460	0.461	0.443	0.447	0.455	0.443	0.453	1.91
23)	S	Nitrobenzene-d5		0.313	0.316	0.318	0.312	0.318	0.325	0.313	0.317	1.46
24)		Nitrobenzene		0.325	0.329	0.330	0.324	0.329	0.338	0.330	0.329	1.41
25)		Isophorone		0.599	0.619	0.632	0.611	0.618	0.630	0.605	0.616	1.98
26)	C	2-Nitrophenol		0.159	0.167	0.175	0.174	0.182	0.187	0.183	0.175	5.41
27)		2,4-Dimethylph...		0.196	0.199	0.204	0.198	0.205	0.212	0.206	0.203	2.83
28)		bis(2-Chloroet...		0.376	0.383	0.386	0.371	0.375	0.381	0.369	0.377	1.65
29)	C	2,4-Dichloroph...		0.275	0.279	0.289	0.283	0.294	0.302	0.294	0.288	3.35
30)		1,2,4-Trichlor...		0.344	0.326	0.323	0.311	0.313	0.321	0.312	0.321	3.63
31)		Naphthalene		1.071	1.033	1.027	0.983	0.983	1.003	0.968	1.010	3.58
32)		Benzoic acid			0.112	0.137	0.166	0.191	0.202	0.202	0.168	22.18
33)		4-Chloroaniline		0.342	0.364	0.371	0.358	0.356	0.361	0.334	0.355	3.65
34)	C	Hexachlorobuta...		0.209	0.198	0.202	0.192	0.195	0.198	0.193	0.198	2.95
35)		Caprolactam		0.097	0.107	0.107	0.107	0.106	0.111	0.105	0.106	4.09
36)	C	4-Chloro-3-met...		0.293	0.318	0.316	0.312	0.318	0.327	0.317	0.314	3.27
37)		2-Methylnaphth...		0.744	0.733	0.733	0.706	0.705	0.715	0.684	0.717	2.93
38)		1-Methylnaphth...		0.752	0.738	0.734	0.696	0.697	0.711	0.679	0.715	3.72

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE110624.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.546	0.518	0.535	0.513	0.519	0.535	0.525	0.527	2.24
41)	P	Hexachlorocycl...	0.106	0.128	0.153	0.167	0.175	0.178	0.171	0.154	17.72
42)	S	2,4,6-Tribromo...	0.388	0.391	0.391	0.369	0.364	0.375	0.357	0.376	3.64
43)	C	2,4,6-Trichlor...	0.358	0.352	0.360	0.358	0.361	0.376	0.369	0.362	2.21
44)		2,4,5-Trichlor...	0.390	0.381	0.402	0.400	0.411	0.425	0.415	0.403	3.71
45)	S	2-Fluorobiphenyl	1.353	1.295	1.299	1.204	1.160	1.163	1.100	1.225	7.52
46)		1,1'-Biphenyl	1.451	1.416	1.424	1.336	1.344	1.366	1.320	1.380	3.66
47)		2-Chloronaphth...	1.124	1.104	1.115	1.060	1.065	1.091	1.060	1.088	2.49
48)		2-Nitroaniline	0.248	0.273	0.292	0.288	0.300	0.312	0.302	0.288	7.44
49)		Acenaphthylene	1.664	1.660	1.661	1.584	1.586	1.629	1.565	1.622	2.62
50)		Dimethylphthalate	1.500	1.479	1.478	1.389	1.368	1.403	1.352	1.424	4.22
51)		2,6-Dinitrotol...	0.316	0.330	0.336	0.324	0.327	0.338	0.329	0.329	2.23
52)	C	Acenaphthene	1.116	1.075	1.080	1.007	0.996	1.007	0.962	1.035	5.38
53)		3-Nitroaniline	0.282	0.320	0.335	0.328	0.323	0.333	0.314	0.319	5.67
54)	P	2,4-Dinitrophenol		0.139	0.178	0.194	0.208	0.220	0.217	0.193	15.82
55)		Dibenzofuran	1.799	1.736	1.724	1.615	1.591	1.629	1.568	1.666	5.20
56)	P	4-Nitrophenol	0.197	0.235	0.278	0.275	0.274	0.295	0.290	0.264	13.26
57)		2,4-Dinitrotol...	0.426	0.456	0.480	0.460	0.463	0.482	0.466	0.462	3.99
58)		Fluorene	1.490	1.475	1.458	1.363	1.328	1.347	1.272	1.391	6.03
59)		2,3,4,6-Tetrac...	0.379	0.366	0.377	0.369	0.370	0.381	0.372	0.373	1.53
60)		Diethylphthalate	1.600	1.579	1.577	1.457	1.442	1.460	1.397	1.502	5.41
61)		4-Chlorophenyl...	0.757	0.736	0.733	0.689	0.680	0.692	0.657	0.706	5.12
62)		4-Nitroaniline	0.285	0.334	0.359	0.349	0.355	0.366	0.359	0.344	8.07
63)		Azobenzene	1.283	1.269	1.289	1.196	1.183	1.203	1.153	1.225	4.44
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.084	0.104	0.117	0.123	0.131	0.136	0.135	0.119	15.97
66)	c	n-Nitrosodiphe...	0.550	0.534	0.545	0.519	0.526	0.533	0.509	0.531	2.68
67)		4-Bromophenyl-...	0.226	0.218	0.221	0.214	0.221	0.225	0.219	0.221	1.85
68)		Hexachlorobenzene	0.301	0.290	0.295	0.282	0.287	0.294	0.283	0.290	2.33
69)		Atrazine	0.202	0.187	0.151	0.171	0.121	0.135	0.130	0.157	19.70
70)	C	Pentachlorophenol	0.129	0.139	0.155	0.162	0.167	0.176	0.176	0.158	11.39
71)		Phenanthrene	1.067	1.000	1.016	0.942	0.936	0.947	0.901	0.973	5.87
72)		Anthracene	1.030	0.985	0.998	0.943	0.932	0.949	0.887	0.961	4.94
73)		Carbazole	1.030	1.003	1.001	0.940	0.924	0.947	0.899	0.963	5.00
74)		Di-n-butylphth...	1.312	1.269	1.261	1.170	1.128	1.121	1.068	1.190	7.68
75)	C	Fluoranthene	1.442	1.353	1.316	1.208	1.157	1.158	1.096	1.247	10.04
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.324	0.433	0.250	0.403	0.656	0.503	0.440	0.430	30.17
78)		Pyrene	1.201	1.158	1.199	1.130	1.125	1.117	1.036	1.138	4.95
79)	S	Terphenyl-d14	1.065	1.023	1.028	0.902	0.819	0.780	0.707	0.904	15.44
80)		Butylbenzylpht...	0.541	0.522	0.531	0.507	0.500	0.505	0.474	0.511	4.31
81)		Benzo(a)anthra...	1.334	1.258	1.258	1.170	1.138	1.118	1.040	1.188	8.47
82)		3,3'-Dichlorob...	0.466	0.474	0.480	0.469	0.478	0.467	0.439	0.468	2.92
83)		Chrysene	1.261	1.215	1.207	1.116	1.074	1.050	0.979	1.129	9.06
84)		Bis(2-ethylhex...	0.857	0.816	0.822	0.760	0.738	0.733	0.686	0.773	7.81
85)	c	Di-n-octyl pht...	1.510	1.430	1.383	1.284	1.226	1.203	1.119	1.308	10.60

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE110624.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.480	1.394	1.411	1.347	1.342	1.357	1.290	1.374	4.40
88)		Benzo(b)fluora...	1.220	1.158	1.107	1.056	1.053	1.073	1.014	1.097	6.46
89)		Benzo(k)fluora...	1.119	1.045	1.080	0.977	0.966	0.937	0.849	0.996	9.23
90)	C	Benzo(a)pyrene	1.023	0.974	0.977	0.926	0.923	0.931	0.877	0.947	5.02
91)		Dibenzo(a,h)an...	1.250	1.169	1.189	1.128	1.111	1.119	1.047	1.145	5.68
92)		Benzo(g,h,i)pe...	1.239	1.164	1.182	1.133	1.148	1.162	1.113	1.163	3.46

(#) = Out of Range

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Nov 05 16:47:56 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140231.D 5 =BF140232.D 10 =BF140233.D 20 =BF140234.D 40 =BF140235.D 50 =BF140236.D 60 =BF140237.D 80 =BF1402
38.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.613	0.582	0.576	0.550	0.526	0.527	0.511	0.555	6.64
3)		Pyridine		1.464	1.445	1.402	1.340	1.296	1.298	1.233	1.354	6.33
4)		n-Nitrosodimet...		0.799	0.792	0.802	0.780	0.767	0.786	0.746	0.782	2.52
5)	S	2-Fluorophenol		1.359	1.298	1.261	1.159	1.138	1.151	1.083	1.207	8.29
6)		Aniline		1.609	1.513	1.499	1.365	1.316	1.298	1.218	1.402	9.99
7)	S	Phenol-d6		1.765	1.679	1.604	1.495	1.462	1.468	1.392	1.552	8.66
8)		2-Chlorophenol		1.441	1.385	1.311	1.214	1.187	1.182	1.121	1.263	9.38
9)		Benzaldehyde		1.159	1.137	1.085	0.949	0.839	0.823	0.701	0.956	18.46
10)	C	Phenol		1.863	1.779	1.752	1.593	1.575	1.544	1.434	1.649	9.23
11)		bis(2-Chloroet...		1.417	1.354	1.285	1.209	1.201	1.201	1.100	1.252	8.57
12)		1,3-Dichlorobe...		1.690	1.605	1.555	1.413	1.387	1.388	1.322	1.480	9.22
13)	C	1,4-Dichlorobe...		1.720	1.636	1.551	1.423	1.393	1.401	1.322	1.492	9.78
14)		1,2-Dichlorobe...		1.622	1.553	1.494	1.309	1.291	1.286	1.201	1.394	11.49
15)		Benzyl Alcohol		1.282	1.280	1.258	1.182	1.147	1.154	1.075	1.197	6.59
16)		2,2'-oxybis(1-...		2.305	2.213	2.143	1.958	1.910	1.898	1.764	2.027	9.65
17)		2-Methylphenol		1.155	1.105	1.086	1.028	1.005	1.022	0.973	1.053	6.05
18)		Hexachloroethane		0.612	0.603	0.576	0.533	0.524	0.537	0.507	0.556	7.37
19)	P	n-Nitroso-di-n...	1.035	1.117	1.062	1.015	0.949	0.923	0.936	0.886	0.990	8.01
20)		3+4-Methylphenols		1.503	1.446	1.403	1.277	1.240	1.242	1.150	1.323	9.73
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.564	0.535	0.512	0.474	0.461	0.472	0.453	0.496	8.43
23)	S	Nitrobenzene-d5		0.435	0.420	0.415	0.392	0.387	0.391	0.377	0.402	5.21
24)		Nitrobenzene		0.452	0.442	0.436	0.414	0.407	0.407	0.396	0.422	5.04
25)		Isophorone		0.754	0.722	0.699	0.675	0.659	0.680	0.660	0.693	5.05
26)	C	2-Nitrophenol		0.160	0.167	0.170	0.171	0.167	0.173	0.168	0.168	2.47
27)		2,4-Dimethylph...		0.240	0.237	0.234	0.224	0.221	0.227	0.216	0.228	3.88
28)		bis(2-Chloroet...		0.459	0.441	0.428	0.400	0.390	0.399	0.383	0.415	6.93
29)	C	2,4-Dichloroph...		0.297	0.299	0.291	0.278	0.270	0.277	0.266	0.283	4.67
30)		1,2,4-Trichlor...		0.373	0.362	0.349	0.328	0.318	0.327	0.314	0.339	6.72
31)		Naphthalene		1.206	1.119	1.071	0.992	0.956	0.965	0.921	1.033	9.94
32)		Benzoic acid			0.136	0.161	0.193	0.207	0.211	0.216	0.187	17.07
33)		4-Chloroaniline		0.372	0.367	0.354	0.330	0.322	0.323	0.311	0.340	7.13
34)	C	Hexachlorobuta...		0.251	0.241	0.238	0.222	0.218	0.223	0.212	0.229	6.22
35)		Caprolactam		0.090	0.087	0.088	0.085	0.084	0.086	0.082	0.086	2.94
36)	C	4-Chloro-3-met...		0.337	0.326	0.319	0.312	0.303	0.307	0.298	0.315	4.33
37)		2-Methylnaphth...		0.772	0.743	0.702	0.644	0.626	0.627	0.605	0.674	9.64
38)		1-Methylnaphth...		0.765	0.720	0.691	0.634	0.612	0.619	0.583	0.661	10.00

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110524.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.657	0.619	0.600	0.562	0.559	0.562	0.538	0.586	7.15
41)	P	Hexachlorocycl...	0.124	0.145	0.169	0.183	0.177	0.181	0.169	0.164	13.27
42)	S	2,4,6-Tribromo...	0.199	0.200	0.197	0.194	0.197	0.202	0.195	0.198	1.40
43)	C	2,4,6-Trichlor...	0.377	0.369	0.363	0.361	0.354	0.356	0.359	0.363	2.16
44)		2,4,5-Trichlor...	0.391	0.398	0.396	0.373	0.374	0.383	0.355	0.381	4.02
45)	S	2-Fluorobiphenyl	1.481	1.381	1.312	1.183	1.148	1.166	1.097	1.253	11.27
46)		1,1'-Biphenyl	1.663	1.590	1.521	1.376	1.342	1.347	1.281	1.446	10.02
47)		2-Chloronaphth...	1.195	1.171	1.135	1.050	1.036	1.040	0.990	1.088	7.17
48)		2-Nitroaniline	0.357	0.372	0.371	0.369	0.363	0.364	0.352	0.364	1.99
49)		Acenaphthylene	1.730	1.668	1.618	1.486	1.465	1.452	1.364	1.540	8.62
50)		Dimethylphthalate	1.363	1.310	1.262	1.191	1.182	1.180	1.135	1.232	6.65
51)		2,6-Dinitrotol...	0.302	0.297	0.299	0.286	0.286	0.284	0.272	0.290	3.57
52)	C	Acenaphthene	1.204	1.153	1.134	1.059	1.055	1.041	1.003	1.093	6.60
53)		3-Nitroaniline	0.294	0.286	0.282	0.269	0.267	0.262	0.248	0.273	5.83
54)	P	2,4-Dinitrophenol		0.071	0.101	0.128	0.135	0.139	0.142	0.120	23.23
55)		Dibenzofuran	1.773	1.683	1.603	1.467	1.424	1.421	1.324	1.528	10.59
56)	P	4-Nitrophenol	0.160	0.178	0.196	0.203	0.206	0.201	0.197	0.192	8.78
57)		2,4-Dinitrotol...	0.384	0.385	0.388	0.374	0.373	0.374	0.352	0.376	3.23
58)		Fluorene	1.446	1.345	1.267	1.154	1.127	1.115	1.059	1.216	11.55
59)		2,3,4,6-Tetrac...	0.323	0.324	0.321	0.305	0.309	0.308	0.298	0.313	3.26
60)		Diethylphthalate	1.360	1.319	1.271	1.185	1.170	1.165	1.097	1.224	7.72
61)		4-Chlorophenyl...	0.715	0.673	0.638	0.581	0.573	0.569	0.542	0.613	10.33
62)		4-Nitroaniline	0.278	0.276	0.282	0.270	0.267	0.270	0.254	0.271	3.45
63)		Azobenzene	1.460	1.373	1.319	1.219	1.200	1.190	1.122	1.269	9.38
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.080	0.100	0.110	0.112	0.116	0.113	0.105	12.60
66)	c	n-Nitrosodiphe...	0.646	0.608	0.600	0.551	0.543	0.549	0.530	0.575	7.48
67)		4-Bromophenyl-...	0.230	0.219	0.223	0.209	0.208	0.212	0.207	0.215	4.15
68)		Hexachlorobenzene	0.261	0.255	0.251	0.237	0.235	0.242	0.237	0.245	4.26
69)		Atrazine	0.204	0.189	0.155	0.156	0.127	0.138	0.133	0.157	18.48
70)	C	Pentachlorophenol	0.105	0.121	0.133	0.138	0.139	0.144	0.142	0.132	10.59
71)		Phenanthrene	1.082	1.044	1.004	0.915	0.885	0.902	0.849	0.954	9.28
72)		Anthracene	1.071	1.014	0.984	0.894	0.881	0.876	0.832	0.936	9.34
73)		Carbazole	0.973	0.919	0.901	0.822	0.805	0.809	0.759	0.855	8.93
74)		Di-n-butylphth...	1.119	1.096	1.062	0.975	0.961	0.966	0.907	1.012	7.87
75)	C	Fluoranthene	1.157	1.101	1.044	0.950	0.928	0.935	0.870	0.998	10.48
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.507	0.466	0.380	0.490	0.365	0.249	0.281	0.391	25.96
78)		Pyrene	1.851	1.733	1.728	1.590	1.572	1.596	1.490	1.651	7.49
79)	S	Terphenyl-d14	1.383	1.309	1.258	1.159	1.164	1.180	1.093	1.221	8.25
80)		Butylbenzylpht...	0.580	0.596	0.613	0.597	0.601	0.612	0.564	0.595	2.95
81)		Benzo(a)anthra...	1.386	1.344	1.345	1.232	1.232	1.254	1.193	1.284	5.71
82)		3,3'-Dichlorob...	0.387	0.409	0.410	0.417	0.406	0.401	0.392	0.403	2.57
83)		Chrysene	1.320	1.264	1.206	1.154	1.177	1.180	1.113	1.202	5.81
84)		Bis(2-ethylhex...	0.868	0.858	0.858	0.819	0.825	0.830	0.775	0.833	3.82
85)	c	Di-n-octyl pht...	1.201	1.234	1.283	1.267	1.265	1.291	1.240	1.254	2.52

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110524.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.107	1.110	1.213	1.195	1.172	1.230	1.191	1.174	4.11
88)		Benzo(b)fluora...	1.300	1.184	1.214	1.245	1.125	1.286	1.115	1.210	6.05
89)		Benzo(k)fluora...	1.214	1.230	1.206	1.027	1.085	0.975	1.034	1.110	9.46
90)	C	Benzo(a)pyrene	1.023	0.999	1.022	0.993	0.975	1.006	0.964	0.997	2.23
91)		Dibenzo(a,h)an...	0.917	0.923	0.998	0.979	0.968	1.000	0.976	0.966	3.44
92)		Benzo(g,h,i)pe...	0.949	0.941	1.017	0.994	0.977	1.017	1.002	0.985	3.13

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_E Calibration Date/Time: 11/08/2024 10:07

Lab File ID: BE101544.D Init. Calib. Date(s): 11/06/2024 11/06/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:51 18:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.177	1.299		10.4	
2-Fluorophenol	1.131	1.156		2.2	
Phenol-d6	1.551	1.606		3.5	
1,4-Dichlorobenzene	1.482	1.484		0.1	20.0
2-Methylphenol	1.093	1.113		1.8	
3+4-Methylphenols	1.515	1.581		4.4	
Nitrobenzene-d5	0.317	0.329		3.8	
Hexachloroethane	0.500	0.497		-0.6	
Nitrobenzene	0.329	0.344		4.6	
Hexachlorobutadiene	0.198	0.190		-4.0	20.0
2,4,6-Trichlorophenol	0.362	0.358		-1.1	20.0
2-Fluorobiphenyl	1.225	1.192		-2.7	
2,4,5-Trichlorophenol	0.403	0.404		0.2	
2,4-Dinitrotoluene	0.462	0.497		7.6	
2,4,6-Tribromophenol	0.376	0.380		1.1	
Hexachlorobenzene	0.290	0.292		0.7	
Pentachlorophenol	0.158	0.168		6.3	20.0
Terphenyl-d14	0.904	0.945		4.5	

All other compounds must meet a minimum RRF of 0.010.

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date/Time: 11/08/2024 09:35

Lab File ID: BF140286.D Init. Calib. Date(s): 11/05/2024 11/05/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:26 15:30

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.354	1.280		-5.5	
2-Fluorophenol	1.207	1.151		-4.6	
Phenol-d6	1.552	1.455		-6.3	
1,4-Dichlorobenzene	1.492	1.440		-3.5	20.0
2-Methylphenol	1.053	1.025		-2.7	
3+4-Methylphenols	1.323	1.267		-4.2	
Nitrobenzene-d5	0.402	0.378		-6.0	
Hexachloroethane	0.556	0.530		-4.7	
Nitrobenzene	0.422	0.398		-5.7	
Hexachlorobutadiene	0.229	0.225		-1.7	20.0
2,4,6-Trichlorophenol	0.363	0.362		-0.3	20.0
2-Fluorobiphenyl	1.253	1.125		-10.1	
2,4,5-Trichlorophenol	0.381	0.388		1.8	
2,4-Dinitrotoluene	0.376	0.395		5.1	
2,4,6-Tribromophenol	0.198	0.223		12.6	
Hexachlorobenzene	0.245	0.245		0.0	
Pentachlorophenol	0.132	0.154		16.7	20.0
Terphenyl-d14	1.221	1.161		-4.9	

All other compounds must meet a minimum RRF of 0.010.

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LAB CHRONICLE

OrderID:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-03	**WC-1(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			SVOC-TCL BNA -20	8270E		11/07/24	11/08/24	
P4722-04	**WC-1(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP BNA	8270E		11/07/24	11/08/24	
P4722-05	**WC-1(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP BNA	8270E		11/10/24	11/12/24	
P4722-08	**WC-2(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			SVOC-TCL BNA -20	8270E		11/07/24	11/08/24	
P4722-08DL	**WC-2(0-6)DL**	**SOIL**			**11/05/24**			**11/05/24**
			SVOC-TCL BNA -20	8270E		11/07/24	11/14/24	
P4722-09	**WC-2(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP BNA	8270E		11/07/24	11/08/24	
P4722-10	**WC-2(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP BNA	8270E		11/10/24	11/14/24	
P4722-13	**WC-3(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			SVOC-TCL BNA -20	8270E		11/07/24	11/07/24	
P4722-14	**WC-3(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP BNA	8270E		11/07/24	11/08/24	
P4722-15	**WC-3(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP BNA	8270E		11/10/24	11/14/24	

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Hit Summary Sheet
SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC-2(0-6)								
P4722-10	WC-2(0-6)	WATER	Pentachlorophenol	9.800	J	1.9	10	ug/L
P4722-10	WC-2(0-6)	WATER	2,3,4,6-Tetrachlorophenol	2.200	J	0.79	5	ug/L
			Total Svoc :	**12.00**				
			Total Concentration:	**12.00**				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-05	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101578.D	1	11/10/24 13:32	11/12/24 12:29	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	UQ	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	UQ	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-05	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101578.D	1	11/10/24 13:32	11/12/24 12:29	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	UQ	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-05	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101578.D	1	11/10/24 13:32	11/12/24 12:29	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	67.2		10 - 139	45%	SPK: 150
13127-88-3	Phenol-d6	45.8		10 - 134	31%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.7		49 - 133	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.8		52 - 132	90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	152		44 - 137	102%	SPK: 150
1718-51-0	Terphenyl-d14	111		48 - 125	111%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	37200	7.553			
1146-65-2	Naphthalene-d8	175000	10.32			
15067-26-2	Acenaphthene-d10	136000	14.163			
1517-22-2	Phenanthrene-d10	334000	16.901			
1719-03-5	Chrysene-d12	375000	21.06			
1520-96-3	Perylene-d12	476000	23.346			

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:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-10	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140368.D	1	11/10/24 13:32	11/14/24 17:59	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	UQ	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	UQ	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-10	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140368.D	1	11/10/24 13:32	11/14/24 17:59	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	UQ	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	9.80	J	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-10	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140368.D	1	11/10/24 13:32	11/14/24 17:59	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	2.20	J	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	74.5		10 - 139	50%	SPK: 150
13127-88-3	Phenol-d6	47.7		10 - 134	32%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.3		49 - 133	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.7		52 - 132	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		44 - 137	86%	SPK: 150
1718-51-0	Terphenyl-d14	98.7		48 - 125	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	124000	6.869			
1146-65-2	Naphthalene-d8	465000	8.151			
15067-26-2	Acenaphthene-d10	252000	9.904			
1517-22-2	Phenanthrene-d10	460000	11.392			
1719-03-5	Chrysene-d12	260000	14.045			
1520-96-3	Perylene-d12	261000	15.545			

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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-15	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140369.D	1	11/10/24 13:32	11/14/24 18:25	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	UQ	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	UQ	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-15	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140369.D	1	11/10/24 13:32	11/14/24 18:25	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	UQ	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-15	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140369.D	1	11/10/24 13:32	11/14/24 18:25	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	66.4		10 - 139	44%	SPK: 150
13127-88-3	Phenol-d6	41.5		10 - 134	28%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.1		49 - 133	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.4		52 - 132	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		44 - 137	94%	SPK: 150
1718-51-0	Terphenyl-d14	111		48 - 125	111%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	119000	6.869			
1146-65-2	Naphthalene-d8	442000	8.151			
15067-26-2	Acenaphthene-d10	232000	9.904			
1517-22-2	Phenanthrene-d10	430000	11.392			
1719-03-5	Chrysene-d12	233000	14.045			
1520-96-3	Perylene-d12	242000	15.551			

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
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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/10/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/10/24
Client Sample ID:	PB164886TB	SDG No.:	P4722
Lab Sample ID:	PB164886TB	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140599.D	1	11/10/24 13:32	11/25/24 13:27	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	UQ	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	UQ	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/10/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/10/24
Client Sample ID:	PB164886TB	SDG No.:	P4722
Lab Sample ID:	PB164886TB	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140599.D	1	11/10/24 13:32	11/25/24 13:27	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	UQ	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/10/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/10/24
Client Sample ID:	PB164886TB	SDG No.:	P4722
Lab Sample ID:	PB164886TB	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140599.D	1	11/10/24 13:32	11/25/24 13:27	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	138		10 - 139	92%	SPK: 150
13127-88-3	Phenol-d6	134		10 - 134	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.7		49 - 133	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.3		52 - 132	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		44 - 137	86%	SPK: 150
1718-51-0	Terphenyl-d14	99.1		48 - 125	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	105000	6.869			
1146-65-2	Naphthalene-d8	404000	8.151			
15067-26-2	Acenaphthene-d10	233000	9.904			
1517-22-2	Phenanthrene-d10	439000	11.398			
1719-03-5	Chrysene-d12	241000	14.051			
1520-96-3	Perylene-d12	200000	15.563			

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,
Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4722-05	WC-1(0-6)	2-Fluorophenol	150	67.2	45		10	139
		Phenol-d6	150	45.8	31		10	134
		Nitrobenzene-d5	100	93.7	94		49	133
		2-Fluorobiphenyl	100	89.8	90		52	132
		2,4,6-Tribromophenol	150	152	102		44	137
		Terphenyl-d14	100	111	111		48	125
P4722-10	WC-2(0-6)	2-Fluorophenol	150	74.5	50		10	139
		Phenol-d6	150	47.7	32		10	134
		Nitrobenzene-d5	100	95.3	95		49	133
		2-Fluorobiphenyl	100	90.7	91		52	132
		2,4,6-Tribromophenol	150	130	86		44	137
		Terphenyl-d14	100	98.7	99		48	125
P4722-15	WC-3(0-6)	2-Fluorophenol	150	66.4	44		10	139
		Phenol-d6	150	41.5	28		10	134
		Nitrobenzene-d5	100	94.1	94		49	133
		2-Fluorobiphenyl	100	94.4	94		52	132
		2,4,6-Tribromophenol	150	141	94		44	137
		Terphenyl-d14	100	111	111		48	125
P4722-15MS	WC-3(0-6)MS	2-Fluorophenol	150	68.4	46		10	139
		Phenol-d6	150	41.5	28		10	134
		Nitrobenzene-d5	100	87.1	87		49	133
		2-Fluorobiphenyl	100	87.7	88		52	132
		2,4,6-Tribromophenol	150	129	86		44	137
		Terphenyl-d14	100	98.2	98		48	125
P4722-15MSD	WC-3(0-6)MSD	2-Fluorophenol	150	67.3	45		10	139
		Phenol-d6	150	41.0	27		10	134
		Nitrobenzene-d5	100	88.0	88		49	133
		2-Fluorobiphenyl	100	88.5	89		52	132
		2,4,6-Tribromophenol	150	135	90		44	137
		Terphenyl-d14	100	97.3	97		48	125
PB164886BL	PB164886BL	2-Fluorophenol	150	153	102		10	139
		Phenol-d6	150	135	90		10	134
		Nitrobenzene-d5	100	98.0	98		49	133
		2-Fluorobiphenyl	100	103	103		52	132
		2,4,6-Tribromophenol	150	125	83		44	137
		Terphenyl-d14	100	99.2	99		48	125
PB164886BS	PB164886BS	2-Fluorophenol	150	123	82		10	139
		Phenol-d6	150	118	78		10	134
		Nitrobenzene-d5	100	84.1	84		49	133
		2-Fluorobiphenyl	100	82.2	82		52	132
		2,4,6-Tribromophenol	150	130	87		44	137
		Terphenyl-d14	100	93.2	93		48	125
PB164886TB	PB164886TB	2-Fluorophenol	150	138	92		10	139
		Phenol-d6	150	134	90		10	134
		Nitrobenzene-d5	100	91.7	92		49	133
		2-Fluorobiphenyl	100	89.3	89		52	132
		2,4,6-Tribromophenol	150	129	86		44	137
		Terphenyl-d14	100	99.1	99		48	125

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4722-15MS		**Client Sample ID: WC-3(0-6)MS**						**DataFile: BE101581.D**			
Benzaldehyde	50	0	7.60	ug/L	15				10	137	
Phenol	50	0	17.5	ug/L	35				10	130	
bis(2-Chloroethyl)ether	50	0	41.5	ug/L	83				29	141	
2-Chlorophenol	50	0	37.7	ug/L	75				23	127	
2-Methylphenol	50	0	34.4	ug/L	69				37	126	
2,2-oxybis(1-Chloropropane)	50	0	45.4	ug/L	91				36	141	
Acetophenone	50	0	42.0	ug/L	84				31	164	
3+4-Methylphenols	50	0	30.4	ug/L	61				31	127	
N-Nitroso-di-n-propylamine	50	0	46.1	ug/L	92				36	147	
Hexachloroethane	50	0	24.2	ug/L	48	*			49	110	
Nitrobenzene	50	0	41.0	ug/L	82				62	112	
Isophorone	50	0	44.1	ug/L	88				39	146	
2-Nitrophenol	50	0	41.0	ug/L	82				30	148	
2,4-Dimethylphenol	50	0	49.7	ug/L	99				17	143	
bis(2-Chloroethoxy)methane	50	0	43.7	ug/L	87				39	143	
2,4-Dichlorophenol	50	0	41.6	ug/L	83				22	146	
Naphthalene	50	0	36.6	ug/L	73				17	157	
4-Chloroaniline	50	0	21.1	ug/L	42				10	95	
Hexachlorobutadiene	50	0	26.9	ug/L	54				52	125	
Caprolactam	50	0	7.40	ug/L	15				10	130	
4-Chloro-3-methylphenol	50	0	39.7	ug/L	79				17	148	
2-Methylnaphthalene	50	0	41.1	ug/L	82				38	146	
Hexachlorocyclopentadiene	100	0	120	ug/L	120				20	153	
2,4,6-Trichlorophenol	50	0	44.0	ug/L	88				78	112	
2,4,5-Trichlorophenol	50	0	42.6	ug/L	85				71	111	
1,1-Biphenyl	50	0	42.4	ug/L	85				38	154	
2-Chloronaphthalene	50	0	40.8	ug/L	82				41	145	
2-Nitroaniline	50	0	48.3	ug/L	97				39	151	
Dimethylphthalate	50	0	45.8	ug/L	92				42	147	
Acenaphthylene	50	0	46.3	ug/L	93				40	141	
2,6-Dinitrotoluene	50	0	43.0	ug/L	86				43	148	
3-Nitroaniline	50	0	27.5	ug/L	55				10	111	
Acenaphthene	50	0	45.1	ug/L	90				37	146	
2,4-Dinitrophenol	100	0	96.6	ug/L	97				14	167	
4-Nitrophenol	100	0	36.6	ug/L	37				10	130	
Dibenzofuran	50	0	45.2	ug/L	90				41	145	
2,4-Dinitrotoluene	50	0	45.7	ug/L	91				50	142	
Diethylphthalate	50	0	46.8	ug/L	94				41	148	
4-Chlorophenyl-phenylether	50	0	44.7	ug/L	89				38	149	
Fluorene	50	0	46.1	ug/L	92				39	144	
4-Nitroaniline	50	0	43.9	ug/L	88				27	138	
4,6-Dinitro-2-methylphenol	50	0	47.1	ug/L	94				32	175	
N-Nitrosodiphenylamine	50	0	46.5	ug/L	93				40	150	
4-Bromophenyl-phenylether	50	0	44.6	ug/L	89				42	151	
Hexachlorobenzene	50	0	43.5	ug/L	87				72	115	
Atrazine	50	0	60.6	ug/L	121				20	162	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	100	0	89.1	ug/L	89				25	139	
Phenanthrene	50	0	48.0	ug/L	96				40	147	
Anthracene	50	0	50.0	ug/L	100				41	146	
Carbazole	50	0	46.8	ug/L	94				37	154	
Di-n-butylphthalate	50	0	48.6	ug/L	97				40	151	
Fluoranthene	50	0	46.5	ug/L	93				42	146	
Pyrene	50	0	46.9	ug/L	94				41	149	
Butylbenzylphthalate	50	0	48.5	ug/L	97				39	155	
3,3-Dichlorobenzidine	50	0	33.6	ug/L	67				10	114	
Benzo(a)anthracene	50	0	47.8	ug/L	96				41	147	
Chrysene	50	0	48.0	ug/L	96				44	144	
bis(2-Ethylhexyl)phthalate	50	0	49.1	ug/L	98				33	160	
Di-n-octyl phthalate	50	0	49.6	ug/L	99				36	158	
Benzo(b)fluoranthene	50	0	45.4	ug/L	91				40	150	
Benzo(k)fluoranthene	50	0	48.8	ug/L	98				40	147	
Benzo(a)pyrene	50	0	49.3	ug/L	99				42	147	
Indeno(1,2,3-cd)pyrene	50	0	48.2	ug/L	96				30	166	
Dibenz(a,h)anthracene	50	0	48.4	ug/L	97				23	172	
Benzo(g,h,i)perylene	50	0	42.8	ug/L	86				27	167	
1,2,4,5-Tetrachlorobenzene	50	0	39.5	ug/L	79	*			89	102	
1,4-Dioxane	50	0	18.0	ug/L	36	*			38	130	
2,3,4,6-Tetrachlorophenol	50	0	45.3	ug/L	91				91	111	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4722-15MSD		**Client Sample ID: WC-3(0-6)MSD**						**DataFile: BE101582.D**			
Benzaldehyde	50	0	7.50	ug/L	15	0			10	137	20
Phenol	50	0	16.8	ug/L	34	3			10	130	20
bis(2-Chloroethyl)ether	50	0	40.1	ug/L	80	4			29	141	20
2-Chlorophenol	50	0	36.5	ug/L	73	3			23	127	20
2-Methylphenol	50	0	32.7	ug/L	65	6			37	126	20
2,2-oxybis(1-Chloropropane)	50	0	44.5	ug/L	89	2			36	141	20
Acetophenone	50	0	41.6	ug/L	83	1			31	164	20
3+4-Methylphenols	50	0	28.9	ug/L	58	5			31	127	20
N-Nitroso-di-n-propylamine	50	0	44.3	ug/L	89	3			36	147	20
Hexachloroethane	50	0	24.4	ug/L	49	2			49	110	20
Nitrobenzene	50	0	41.2	ug/L	82	0			62	112	20
Isophorone	50	0	44.0	ug/L	88	0			39	146	20
2-Nitrophenol	50	0	41.2	ug/L	82	0			30	148	20
2,4-Dimethylphenol	50	0	49.2	ug/L	98	1			17	143	20
bis(2-Chloroethoxy)methane	50	0	43.5	ug/L	87	0			39	143	20
2,4-Dichlorophenol	50	0	41.2	ug/L	82	1			22	146	20
Naphthalene	50	0	37.0	ug/L	74	1			17	157	20
4-Chloroaniline	50	0	19.8	ug/L	40	5			10	95	20
Hexachlorobutadiene	50	0	27.6	ug/L	55	2			52	125	20
Caprolactam	50	0	7.20	ug/L	14	7			10	130	20
4-Chloro-3-methylphenol	50	0	39.4	ug/L	79	0			17	148	20
2-Methylnaphthalene	50	0	41.1	ug/L	82	0			38	146	20
Hexachlorocyclopentadiene	100	0	130	ug/L	130	8			20	153	20
2,4,6-Trichlorophenol	50	0	44.2	ug/L	88	0			78	112	20
2,4,5-Trichlorophenol	50	0	43.4	ug/L	87	2			71	111	20
1,1-Biphenyl	50	0	42.8	ug/L	86	1			38	154	20
2-Chloronaphthalene	50	0	41.0	ug/L	82	0			41	145	20
2-Nitroaniline	50	0	48.4	ug/L	97	0			39	151	20
Dimethylphthalate	50	0	46.0	ug/L	92	0			42	147	20
Acenaphthylene	50	0	47.0	ug/L	94	1			40	141	20
2,6-Dinitrotoluene	50	0	43.7	ug/L	87	1			43	148	20
3-Nitroaniline	50	0	27.3	ug/L	55	0			10	111	20
Acenaphthene	50	0	45.4	ug/L	91	1			37	146	20
2,4-Dinitrophenol	100	0	97.8	ug/L	98	1			14	167	20
4-Nitrophenol	100	0	38.6	ug/L	39	5			10	130	20
Dibenzofuran	50	0	47.2	ug/L	94	4			41	145	20
2,4-Dinitrotoluene	50	0	47.3	ug/L	95	4			50	142	20
Diethylphthalate	50	0	47.8	ug/L	96	2			41	148	20
4-Chlorophenyl-phenylether	50	0	46.1	ug/L	92	3			38	149	20
Fluorene	50	0	48.1	ug/L	96	4			39	144	20
4-Nitroaniline	50	0	45.4	ug/L	91	3			27	138	20
4,6-Dinitro-2-methylphenol	50	0	47.5	ug/L	95	1			32	175	20
N-Nitrosodiphenylamine	50	0	47.1	ug/L	94	1			40	150	20
4-Bromophenyl-phenylether	50	0	45.2	ug/L	90	1			42	151	20
Hexachlorobenzene	50	0	44.3	ug/L	89	2			72	115	20
Atrazine	50	0	60.2	ug/L	120	1			20	162	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	100	0	91.2	ug/L	91		2		25	139	20
Phenanthrene	50	0	48.1	ug/L	96		0		40	147	20
Anthracene	50	0	49.1	ug/L	98		2		41	146	20
Carbazole	50	0	46.4	ug/L	93		1		37	154	20
Di-n-butylphthalate	50	0	48.6	ug/L	97		0		40	151	20
Fluoranthene	50	0	45.6	ug/L	91		2		42	146	20
Pyrene	50	0	47.4	ug/L	95		1		41	149	20
Butylbenzylphthalate	50	0	49.4	ug/L	99		2		39	155	20
3,3-Dichlorobenzidine	50	0	34.1	ug/L	68		1		10	114	20
Benzo(a)anthracene	50	0	48.2	ug/L	96		0		41	147	20
Chrysene	50	0	47.8	ug/L	96		0		44	144	20
bis(2-Ethylhexyl)phthalate	50	0	47.8	ug/L	96		2		33	160	20
Di-n-octyl phthalate	50	0	48.4	ug/L	97		2		36	158	20
Benzo(b)fluoranthene	50	0	47.0	ug/L	94		3		40	150	20
Benzo(k)fluoranthene	50	0	52.1	ug/L	104		6		40	147	20
Benzo(a)pyrene	50	0	49.6	ug/L	99		0		42	147	20
Indeno(1,2,3-cd)pyrene	50	0	49.1	ug/L	98		2		30	166	20
Dibenz(a,h)anthracene	50	0	49.2	ug/L	98		1		23	172	20
Benzo(g,h,i)perylene	50	0	43.9	ug/L	88		2		27	167	20
1,2,4,5-Tetrachlorobenzene	50	0	40.1	ug/L	80	*	1		89	102	20
1,4-Dioxane	50	0	17.6	ug/L	35	*	3		38	130	20
2,3,4,6-Tetrachlorophenol	50	0	47.8	ug/L	96		5		91	111	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E **DataFile:** BF140394.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164886BS	Benzaldehyde	50	0	ug/L	0		*		10	162	
	Phenol	50	40.9	ug/L	82				66	118	
	bis(2-Chloroethyl)ether	50	43.2	ug/L	86				62	103	
	2-Chlorophenol	50	44.2	ug/L	88				70	117	
	2-Methylphenol	50	42.1	ug/L	84				69	109	
	2,2-oxybis(1-Chloropropane)	50	41.0	ug/L	82				65	100	
	Acetophenone	50	41.8	ug/L	84				60	104	
	3+4-Methylphenols	50	42.5	ug/L	85				67	106	
	N-Nitroso-di-n-propylamine	50	41.1	ug/L	82				57	107	
	Hexachloroethane	50	42.0	ug/L	84				76	118	
	Nitrobenzene	50	40.3	ug/L	81				58	106	
	Isophorone	50	41.5	ug/L	83				61	102	
	2-Nitrophenol	50	43.7	ug/L	87				70	115	
	2,4-Dimethylphenol	50	50.9	ug/L	102				42	142	
	bis(2-Chloroethoxy)methane	50	40.8	ug/L	82				58	109	
	2,4-Dichlorophenol	50	42.7	ug/L	85				66	115	
	Naphthalene	50	41.2	ug/L	82				64	107	
	4-Chloroaniline	50	31.3	ug/L	63				10	85	
	Hexachlorobutadiene	50	40.5	ug/L	81				69	101	
	Caprolactam	50	44.2	ug/L	88				58	128	
	4-Chloro-3-methylphenol	50	42.7	ug/L	85				65	114	
	2-Methylnaphthalene	50	41.5	ug/L	83				64	107	
	Hexachlorocyclopentadiene	100	170	ug/L	170		*		36	160	
	2,4,6-Trichlorophenol	50	43.0	ug/L	86				61	110	
	2,4,5-Trichlorophenol	50	42.3	ug/L	85				70	106	
	1,1-Biphenyl	50	41.2	ug/L	82				72	98	
	2-Chloronaphthalene	50	41.0	ug/L	82				59	106	
	2-Nitroaniline	50	44.4	ug/L	89				73	114	
	Dimethylphthalate	50	42.8	ug/L	86				64	103	
	Acenaphthylene	50	45.0	ug/L	90				79	103	
	2,6-Dinitrotoluene	50	41.5	ug/L	83				64	110	
	3-Nitroaniline	50	33.0	ug/L	66				28	100	
	Acenaphthene	50	48.4	ug/L	97				59	113	
	2,4-Dinitrophenol	100	96.7	ug/L	97				36	166	
	4-Nitrophenol	100	89.1	ug/L	89				45	147	
	Dibenzofuran	50	43.3	ug/L	87				65	106	
	2,4-Dinitrotoluene	50	44.1	ug/L	88				60	115	
	Diethylphthalate	50	42.3	ug/L	85				63	105	
	4-Chlorophenyl-phenylether	50	41.5	ug/L	83				61	104	
	Fluorene	50	42.1	ug/L	84				64	107	
	4-Nitroaniline	50	43.7	ug/L	87				55	125	
	4,6-Dinitro-2-methylphenol	50	49.0	ug/L	98				62	132	
	N-Nitrosodiphenylamine	50	43.7	ug/L	87				61	109	
	4-Bromophenyl-phenylether	50	42.1	ug/L	84				73	103	

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E **DataFile:** BF140394.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164886BS	Hexachlorobenzene	50	42.3	ug/L	85				73	106	
	Atrazine	50	35.1	ug/L	70		*		76	120	
	Pentachlorophenol	100	83.4	ug/L	83				47	114	
	Phenanthrene	50	43.7	ug/L	87				62	109	
	Anthracene	50	45.3	ug/L	91				65	110	
	Carbazole	50	43.0	ug/L	86				62	106	
	Di-n-butylphthalate	50	41.4	ug/L	83				64	106	
	Fluoranthene	50	42.0	ug/L	84				64	110	
	Pyrene	50	46.1	ug/L	92				71	103	
	Butylbenzylphthalate	50	46.2	ug/L	92				61	105	
	3,3-Dichlorobenzidine	50	38.3	ug/L	77				43	108	
	Benzo(a)anthracene	50	45.8	ug/L	92				62	107	
	Chrysene	50	45.0	ug/L	90				61	108	
	bis(2-Ethylhexyl)phthalate	50	44.4	ug/L	89				59	110	
	Di-n-octyl phthalate	50	43.7	ug/L	87				52	139	
	Benzo(b)fluoranthene	50	38.5	ug/L	77				77	113	
	Benzo(k)fluoranthene	50	46.7	ug/L	93				77	105	
	Benzo(a)pyrene	50	46.7	ug/L	93				72	131	
	Indeno(1,2,3-cd)pyrene	50	46.0	ug/L	92				72	105	
	Dibenz(a,h)anthracene	50	45.3	ug/L	91				78	115	
	Benzo(g,h,i)perylene	50	41.5	ug/L	83				75	118	
	1,2,4,5-Tetrachlorobenzene	50	41.9	ug/L	84				72	101	
	1,4-Dioxane	50	36.8	ug/L	74				38	125	
	2,3,4,6-Tetrachlorophenol	50	46.8	ug/L	94				63	116	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164886BL

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: BE101576.D Lab Sample ID: PB164886BL

Instrument ID: BNA_E Date Extracted: 11/10/2024

Matrix: (soil/water) Water Date Analyzed: 11/12/2024

Level: (low/med) LOW Time Analyzed: 11:11

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WC-3(0-6)MSD	P4722-15MSD	BE101582.D	11/12/2024
WC-2(0-6)	P4722-10	BF140368.D	11/14/2024
WC-3(0-6)	P4722-15	BF140369.D	11/14/2024
PB164886BS	PB164886BS	BF140394.D	11/15/2024
PB164886TB	PB164886TB	BF140599.D	11/25/2024
WC-1(0-6)	P4722-05	BE101578.D	11/12/2024
WC-3(0-6)MS	P4722-15MS	BE101581.D	11/12/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BE101491.D DFTPP Injection Date: 11/06/2024

Instrument ID: BNA_E DFTPP Injection Time: 11:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	14.8
68	Less than 2.0% of mass 69	0.2 (1.3) 1
69	Mass 69 relative abundance	16
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	23.5
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	3.6
275	10.0 - 60.0% of mass 198	18.3
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	16.4
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	BE101493.D	11/06/2024	13:51
SSTDICC005	SSTDICC005	BE101494.D	11/06/2024	14:27
SSTDICC010	SSTDICC010	BE101495.D	11/06/2024	15:03
SSTDICC020	SSTDICC020	BE101496.D	11/06/2024	15:39
SSTDICCC040	SSTDICCC040	BE101497.D	11/06/2024	16:14
SSTDICC050	SSTDICC050	BE101498.D	11/06/2024	16:50
SSTDICC060	SSTDICC060	BE101499.D	11/06/2024	17:26
SSTDICC080	SSTDICC080	BE101500.D	11/06/2024	18:02

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BE101574.D DFTPP Injection Date: 11/12/2024

Instrument ID: BNA_E DFTPP Injection Time: 09:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	14.7
68	Less than 2.0% of mass 69	0.3 (1.7) 1
69	Mass 69 relative abundance	15.6
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	22.6
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	3.5
275	10.0 - 60.0% of mass 198	18
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	16.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 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	BE101575.D	11/12/2024	10:18
PB164886BL	PB164886BL	BE101576.D	11/12/2024	11:11
WC-1(0-6)	P4722-05	BE101578.D	11/12/2024	12:29
WC-3(0-6)MS	P4722-15MS	BE101581.D	11/12/2024	14:13
WC-3(0-6)MSD	P4722-15MSD	BE101582.D	11/12/2024	14:49

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BF140331.D DFTPP Injection Date: 11/13/2024

Instrument ID: BNA_F DFTPP Injection Time: 08:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.9
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	38
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	88.6
443	15.0 - 24.0% of mass 442	16.7 (18.8) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF140332.D	11/13/2024	09:01
SSTDICC005	SSTDICC005	BF140333.D	11/13/2024	09:27
SSTDICC010	SSTDICC010	BF140334.D	11/13/2024	09:53
SSTDICC020	SSTDICC020	BF140335.D	11/13/2024	10:29
SSTDICC050	SSTDICC050	BF140337.D	11/13/2024	11:21
SSTDICC060	SSTDICC060	BF140338.D	11/13/2024	11:47
SSTDICC080	SSTDICC080	BF140339.D	11/13/2024	12:13
SSTDICCC040	SSTDICCC040	BF140340.D	11/13/2024	12:48

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BF140365.D DFTPP Injection Date: 11/14/2024

Instrument ID: BNA_F DFTPP Injection Time: 16:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.3
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	39.7
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	48.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	12.8
442	Greater than 50% of mass 198	82.7
443	15.0 - 24.0% of mass 442	15.3 (18.4) 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	BF140366.D	11/14/2024	17:02
WC-2(0-6)	P4722-10	BF140368.D	11/14/2024	17:59
WC-3(0-6)	P4722-15	BF140369.D	11/14/2024	18:25

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BF140390.D DFTPP Injection Date: 11/15/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38
68	Less than 2.0% of mass 69	0.7 (1.7) 1
69	Mass 69 relative abundance	38.4
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49
197	Less than 2.0% of mass 198	0.8
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	27.5
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	83
443	15.0 - 24.0% of mass 442	15.9 (19.1) 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	BF140391.D	11/15/2024	09:42
PB164886BS	PB164886BS	BF140394.D	11/15/2024	11:00

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BF140526.D DFTPP Injection Date: 11/21/2024

Instrument ID: BNA_F DFTPP Injection Time: 10:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.3
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35.5
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	48
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	29.2
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	99.8
443	15.0 - 24.0% of mass 442	18.1 (18.1) 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
SSTDICC2.5	SSTDICC2.5	BF140528.D	11/21/2024	11:13
SSTDICC005	SSTDICC005	BF140529.D	11/21/2024	11:39
SSTDICC010	SSTDICC010	BF140530.D	11/21/2024	12:05
SSTDICC020	SSTDICC020	BF140531.D	11/21/2024	12:32
SSTDICCC040	SSTDICCC040	BF140532.D	11/21/2024	12:58
SSTDICC050	SSTDICC050	BF140533.D	11/21/2024	13:25
SSTDICC060	SSTDICC060	BF140534.D	11/21/2024	13:51
SSTDICC080	SSTDICC080	BF140535.D	11/21/2024	14:18

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BF140589.D DFTPP Injection Date: 11/25/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:07

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.8
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	28.6
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	98.2
443	15.0 - 24.0% of mass 442	18.5 (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
SSTDCCC040	SSTDCCC040	BF140590.D	11/25/2024	09:33
PB164886TB	PB164886TB	BF140599.D	11/25/2024	13:27

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/12/2024

Lab File ID: BE101575.D Time Analyzed: 10:18

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	74030	7.553	315608	10.33	204281	14.17
	UPPER LIMIT	148060	8.053	631216	10.826	408562	14.669
	LOWER LIMIT	37015	7.053	157804	9.826	102141	13.669
	EPA SAMPLE NO.						
01	PB164886BL	43722	7.56	176416	10.32	107077	14.17
02	WC-1(0-6)	37247	7.55	175455	10.32	135773	14.16
03	WC-3(0-6)MS	40085	7.55	193126	10.32	136804	14.16
04	WC-3(0-6)MSD	43626	7.55	201868	10.32	141265	14.17

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: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/12/2024

Lab File ID: BE101575.D Time Analyzed: 10:18

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	460719	16.907	529921	21.072	667920	23.352
	UPPER LIMIT	921438	17.407	1059840	21.572	1335840	23.852
	LOWER LIMIT	230360	16.407	264961	20.572	333960	22.852
	EPA SAMPLE NO.						
01	PB164886BL	234410	16.90	303518	21.07	454322	23.35
02	WC-1(0-6)	333737	16.90	375483	21.06	475775	23.35
03	WC-3(0-6)MS	318029	16.90	362423	21.07	463405	23.35
04	WC-3(0-6)MSD	336224	16.91	377212	21.07	473853	23.35

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

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* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/14/2024

Lab File ID: BF140366.D Time Analyzed: 17:02

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	130579	6.875	484942	8.16	265027	9.91
	UPPER LIMIT	261158	7.375	969884	8.657	530054	10.41
	LOWER LIMIT	65289.5	6.375	242471	7.657	132514	9.41
	EPA SAMPLE NO.						
01	WC-2(0-6)	124042	6.87	464909	8.15	252110	9.90
02	WC-3(0-6)	119391	6.87	441580	8.15	232299	9.90

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: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/14/2024

Lab File ID: BF140366.D Time Analyzed: 17:02

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	494420	11.398	287889	14.062	258896	15.592
	UPPER LIMIT	988840	11.898	575778	14.562	517792	16.092
	LOWER LIMIT	247210	10.898	143945	13.562	129448	15.092
	EPA SAMPLE NO.						
01	WC-2(0-6)	459695	11.39	260161	14.05	261026	15.55
02	WC-3(0-6)	429770	11.39	232532	14.05	241777	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: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/15/2024

Lab File ID: BF140391.D Time Analyzed: 09:42

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	137586	6.881	510501	8.16	282269	9.92
	UPPER LIMIT	275172	7.381	1021000	8.657	564538	10.416
	LOWER LIMIT	68793	6.381	255251	7.657	141135	9.416
	EPA SAMPLE NO.						
01	PB164886BS	150149	6.88	576878	8.16	316651	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: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/15/2024

Lab File ID: BF140391.D Time Analyzed: 09:42

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	532450	11.404	316907	14.063	286665	15.574
	UPPER LIMIT	1064900	11.904	633814	14.563	573330	16.074
	LOWER LIMIT	266225	10.904	158454	13.563	143333	15.074
	EPA SAMPLE NO.						
01	PB164886BS	599000	11.40	344150	14.07	315700	15.58

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: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/25/2024

Lab File ID: BF140590.D Time Analyzed: 09:33

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	105131	6.869	390145	8.15	212616	9.91
	UPPER LIMIT	210262	7.369	780290	8.651	425232	10.41
	LOWER LIMIT	52565.5	6.369	195073	7.651	106308	9.41
	EPA SAMPLE NO.						
01	PB164886TB	104822	6.87	403503	8.15	233025	9.90

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: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/25/2024

Lab File ID: BF140590.D Time Analyzed: 09:33

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	399326	11.398	244297	14.051	211888	15.545
	UPPER LIMIT	798652	11.898	488594	14.551	423776	16.045
	LOWER LIMIT	199663	10.898	122149	13.551	105944	15.045
	EPA SAMPLE NO.						
01	PB164886TB	439175	11.40	240574	14.05	200437	15.56

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

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164886BL	SDG No.:	P4722
Lab Sample ID:	PB164886BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101576.D	1	11/10/24 13:32	11/12/24 11:11	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	U	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164886BL	SDG No.:	P4722
Lab Sample ID:	PB164886BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101576.D	1	11/10/24 13:32	11/12/24 11:11	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	U	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164886BL	SDG No.:	P4722
Lab Sample ID:	PB164886BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101576.D	1	11/10/24 13:32	11/12/24 11:11	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	153		10 - 139	102%	SPK: 150
13127-88-3	Phenol-d6	135		10 - 134	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.0		49 - 133	98%	SPK: 100
321-60-8	2-Fluorobiphenyl	103		52 - 132	103%	SPK: 100
118-79-6	2,4,6-Tribromophenol	125		44 - 137	83%	SPK: 150
1718-51-0	Terphenyl-d14	99.2		48 - 125	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	43700	7.555			
1146-65-2	Naphthalene-d8	176000	10.322			
15067-26-2	Acenaphthene-d10	107000	14.165			
1517-22-2	Phenanthrene-d10	234000	16.903			
1719-03-5	Chrysene-d12	304000	21.069			
1520-96-3	Perylene-d12	454000	23.348			

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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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164886BS	SDG No.:	P4722
Lab Sample ID:	PB164886BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140394.D	1	11/10/24 13:32	11/15/24 11:00	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.0	ug/L
108-95-2	Phenol	40.9		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.2		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	44.2		0.71	5.00	ug/L
95-48-7	2-Methylphenol	42.1		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.0		1.40	5.00	ug/L
98-86-2	Acetophenone	41.8		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	42.5		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.1		1.50	2.50	ug/L
67-72-1	Hexachloroethane	42.0		1.00	5.00	ug/L
98-95-3	Nitrobenzene	40.3		1.30	5.00	ug/L
78-59-1	Isophorone	41.5		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	43.7		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	50.9		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	40.8		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	42.7		0.88	5.00	ug/L
91-20-3	Naphthalene	41.2		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	31.3		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	40.5		1.30	5.00	ug/L
105-60-2	Caprolactam	44.2		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	42.7		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.5		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	170	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	43.0		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	42.3		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	41.2		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	41.0		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	44.4		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	42.8		0.93	5.00	ug/L

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164886BS	SDG No.:	P4722
Lab Sample ID:	PB164886BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140394.D	1	11/10/24 13:32	11/15/24 11:00	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	45.0		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	41.5		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	33.0		1.40	5.00	ug/L
83-32-9	Acenaphthene	48.4		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	96.7	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	89.1	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	43.3		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	44.1		1.50	5.00	ug/L
84-66-2	Diethylphthalate	42.3		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.5		0.98	5.00	ug/L
86-73-7	Fluorene	42.1		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	43.7		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	49.0		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	43.7		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	42.1		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	42.3		1.10	5.00	ug/L
1912-24-9	Atrazine	35.1		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	83.4	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	43.7		0.89	5.00	ug/L
120-12-7	Anthracene	45.3		1.10	5.00	ug/L
86-74-8	Carbazole	43.0		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	41.4		1.50	5.00	ug/L
206-44-0	Fluoranthene	42.0		1.30	5.00	ug/L
129-00-0	Pyrene	46.1		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	46.2		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	38.3		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	45.8		0.94	5.00	ug/L
218-01-9	Chrysene	45.0		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44.4		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	43.7		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	38.5		1.10	5.00	ug/L

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164886BS	SDG No.:	P4722
Lab Sample ID:	PB164886BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140394.D	1	11/10/24 13:32	11/15/24 11:00	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	46.7		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	46.7		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.0		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.3		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	41.5		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41.9		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	36.8		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	46.8		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	123		10 - 139	82%	SPK: 150
13127-88-3	Phenol-d6	118		10 - 134	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.1		49 - 133	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.2		52 - 132	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		44 - 137	87%	SPK: 150
1718-51-0	Terphenyl-d14	93.2		48 - 125	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	150000	6.875			
1146-65-2	Naphthalene-d8	577000	8.157			
15067-26-2	Acenaphthene-d10	317000	9.916			
1517-22-2	Phenanthrene-d10	599000	11.404			
1719-03-5	Chrysene-d12	344000	14.068			
1520-96-3	Perylene-d12	316000	15.58			

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:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MS	SDG No.:	P4722
Lab Sample ID:	P4722-15MS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101581.D	1	11/10/24 13:32	11/12/24 14:13	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	7.60	J	4.00	10.0	ug/L
108-95-2	Phenol	17.5		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	41.5		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	37.7		0.71	5.00	ug/L
95-48-7	2-Methylphenol	34.4		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.4		1.40	5.00	ug/L
98-86-2	Acetophenone	42.0		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	30.4		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	46.1		1.50	2.50	ug/L
67-72-1	Hexachloroethane	24.2		1.00	5.00	ug/L
98-95-3	Nitrobenzene	41.0		1.30	5.00	ug/L
78-59-1	Isophorone	44.1		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	41.0		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	49.7		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.7		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	41.6		0.88	5.00	ug/L
91-20-3	Naphthalene	36.6		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	21.1		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	26.9		1.30	5.00	ug/L
105-60-2	Caprolactam	7.40	J	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	39.7		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.1		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	120	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	44.0		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	42.6		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	42.4		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	40.8		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	48.3		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	45.8		0.93	5.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MS	SDG No.:	P4722
Lab Sample ID:	P4722-15MS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101581.D	1	11/10/24 13:32	11/12/24 14:13	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	46.3		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	43.0		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	27.5		1.40	5.00	ug/L
83-32-9	Acenaphthene	45.1		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	96.6	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	36.6		2.00	10.0	ug/L
132-64-9	Dibenzofuran	45.2		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	45.7		1.50	5.00	ug/L
84-66-2	Diethylphthalate	46.8		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.7		0.98	5.00	ug/L
86-73-7	Fluorene	46.1		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	43.9		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47.1		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	46.5		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.6		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	43.5		1.10	5.00	ug/L
1912-24-9	Atrazine	60.6		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	89.1	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	48.0		0.89	5.00	ug/L
120-12-7	Anthracene	50.0		1.10	5.00	ug/L
86-74-8	Carbazole	46.8		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	48.6		1.50	5.00	ug/L
206-44-0	Fluoranthene	46.5		1.30	5.00	ug/L
129-00-0	Pyrene	46.9		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	48.5		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	33.6		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	47.8		0.94	5.00	ug/L
218-01-9	Chrysene	48.0		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.1		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	49.6		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	45.4		1.10	5.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MS	SDG No.:	P4722
Lab Sample ID:	P4722-15MS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101581.D	1	11/10/24 13:32	11/12/24 14:13	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	48.8		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	49.3		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	48.2		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	48.4		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	42.8		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39.5		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	18.0		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	45.3		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	68.4		10 - 139	46%	SPK: 150
13127-88-3	Phenol-d6	41.5		10 - 134	28%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.1		49 - 133	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.7		52 - 132	88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		44 - 137	86%	SPK: 150
1718-51-0	Terphenyl-d14	98.2		48 - 125	98%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	40100	7.552			
1146-65-2	Naphthalene-d8	193000	10.32			
15067-26-2	Acenaphthene-d10	137000	14.162			
1517-22-2	Phenanthrene-d10	318000	16.9			
1719-03-5	Chrysene-d12	362000	21.066			
1520-96-3	Perylene-d12	463000	23.346			

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
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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MSD	SDG No.:	P4722
Lab Sample ID:	P4722-15MSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101582.D	1	11/10/24 13:32	11/12/24 14:49	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	7.50	J	4.00	10.0	ug/L
108-95-2	Phenol	16.8		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.1		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	36.5		0.71	5.00	ug/L
95-48-7	2-Methylphenol	32.7		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	44.5		1.40	5.00	ug/L
98-86-2	Acetophenone	41.6		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	28.9		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	44.3		1.50	2.50	ug/L
67-72-1	Hexachloroethane	24.4		1.00	5.00	ug/L
98-95-3	Nitrobenzene	41.2		1.30	5.00	ug/L
78-59-1	Isophorone	44.0		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	41.2		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	49.2		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.5		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	41.2		0.88	5.00	ug/L
91-20-3	Naphthalene	37.0		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	19.8		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	27.6		1.30	5.00	ug/L
105-60-2	Caprolactam	7.20	J	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	39.4		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.1		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	130	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	44.2		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	43.4		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	42.8		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	41.0		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	48.4		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	46.0		0.93	5.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MSD	SDG No.:	P4722
Lab Sample ID:	P4722-15MSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101582.D	1	11/10/24 13:32	11/12/24 14:49	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	47.0		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	43.7		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	27.3		1.40	5.00	ug/L
83-32-9	Acenaphthene	45.4		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	97.8	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	38.6		2.00	10.0	ug/L
132-64-9	Dibenzofuran	47.2		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	47.3		1.50	5.00	ug/L
84-66-2	Diethylphthalate	47.8		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.1		0.98	5.00	ug/L
86-73-7	Fluorene	48.1		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	45.4		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47.5		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	47.1		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	45.2		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	44.3		1.10	5.00	ug/L
1912-24-9	Atrazine	60.2		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	91.2	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	48.1		0.89	5.00	ug/L
120-12-7	Anthracene	49.1		1.10	5.00	ug/L
86-74-8	Carbazole	46.4		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	48.6		1.50	5.00	ug/L
206-44-0	Fluoranthene	45.6		1.30	5.00	ug/L
129-00-0	Pyrene	47.4		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	49.4		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	34.1		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	48.2		0.94	5.00	ug/L
218-01-9	Chrysene	47.8		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	47.8		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	48.4		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	47.0		1.10	5.00	ug/L

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MSD	SDG No.:	P4722
Lab Sample ID:	P4722-15MSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101582.D	1	11/10/24 13:32	11/12/24 14:49	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	52.1		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	49.6		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	49.1		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	49.2		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	43.9		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	40.1		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	17.6		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	47.8		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	67.3		10 - 139	45%	SPK: 150
13127-88-3	Phenol-d6	41.0		10 - 134	27%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.0		49 - 133	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.5		52 - 132	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		44 - 137	90%	SPK: 150
1718-51-0	Terphenyl-d14	97.3		48 - 125	97%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	43600	7.552			
1146-65-2	Naphthalene-d8	202000	10.319			
15067-26-2	Acenaphthene-d10	141000	14.168			
1517-22-2	Phenanthrene-d10	336000	16.906			
1719-03-5	Chrysene-d12	377000	21.065			
1520-96-3	Perylene-d12	474000	23.345			

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_E

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE110624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 07 00:01:20 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BE101493.D 5 =BE101494.D 10 =BE101495.D 20 =BE101496.D 40 =BE101497.D 50 =BE101498.D 60 =BE101499.D 80 =BE10150
0.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.495	0.458	0.438	0.406	0.378	0.394	0.378	0.421	10.54
3)		Pyridine		1.154	1.183	1.143	1.154	1.192	1.230	1.186	1.177	2.53
4)		n-Nitrosodimet...		0.509	0.465	0.446	0.445	0.461	0.473	0.464	0.466	4.58
5)	S	2-Fluorophenol		1.161	1.135	1.120	1.101	1.114	1.159	1.127	1.131	1.99
6)		Aniline		1.323	1.251	1.316	1.368	1.026	1.044	0.819	1.164	17.52
7)	S	Phenol-d6		1.494	1.525	1.558	1.540	1.571	1.617	1.551	1.551	2.49
8)		2-Chlorophenol		1.339	1.343	1.359	1.316	1.336	1.364	1.324	1.340	1.30
9)		Benzaldehyde		0.902	0.930	0.875	0.767	0.654	0.640	0.542	0.759	19.80
10)	C	Phenol		1.646	1.682	1.702	1.664	1.709	1.764	1.649	1.688	2.45
11)		bis(2-Chloroet...		1.362	1.474	1.392	1.165	1.446	1.447	1.497	1.397	8.03
12)		1,3-Dichlorobe...		1.573	1.526	1.491	1.424	1.410	1.437	1.379	1.463	4.74
13)	C	1,4-Dichlorobe...		1.565	1.543	1.508	1.444	1.437	1.464	1.412	1.482	3.89
14)		1,2-Dichlorobe...		1.559	1.496	1.481	1.418	1.416	1.435	1.378	1.455	4.20
15)		Benzyl Alcohol		0.791	0.861	0.910	0.919	0.958	0.977	0.926	0.906	6.94
16)		2,2'-oxybis(1-...		1.733	1.690	1.700	1.628	1.625	1.636	1.567	1.654	3.41
17)		2-Methylphenol		1.015	1.041	1.073	1.113	1.123	1.163	1.123	1.093	4.76
18)		Hexachloroethane		0.524	0.509	0.507	0.484	0.494	0.501	0.483	0.500	2.95
19)	P	n-Nitroso-di-n...	0.958	0.996	1.040	1.058	1.027	1.046	1.057	0.998	1.023	3.48
20)		3+4-Methylphenols		1.376	1.483	1.529	1.524	1.558	1.606	1.530	1.515	4.74
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.462	0.460	0.461	0.443	0.447	0.455	0.443	0.453	1.91
23)	S	Nitrobenzene-d5		0.313	0.316	0.318	0.312	0.318	0.325	0.313	0.317	1.46
24)		Nitrobenzene		0.325	0.329	0.330	0.324	0.329	0.338	0.330	0.329	1.41
25)		Isophorone		0.599	0.619	0.632	0.611	0.618	0.630	0.605	0.616	1.98
26)	C	2-Nitrophenol		0.159	0.167	0.175	0.174	0.182	0.187	0.183	0.175	5.41
27)		2,4-Dimethylph...		0.196	0.199	0.204	0.198	0.205	0.212	0.206	0.203	2.83
28)		bis(2-Chloroet...		0.376	0.383	0.386	0.371	0.375	0.381	0.369	0.377	1.65
29)	C	2,4-Dichloroph...		0.275	0.279	0.289	0.283	0.294	0.302	0.294	0.288	3.35
30)		1,2,4-Trichlor...		0.344	0.326	0.323	0.311	0.313	0.321	0.312	0.321	3.63
31)		Naphthalene		1.071	1.033	1.027	0.983	0.983	1.003	0.968	1.010	3.58
32)		Benzoic acid			0.112	0.137	0.166	0.191	0.202	0.202	0.168	22.18
33)		4-Chloroaniline		0.342	0.364	0.371	0.358	0.356	0.361	0.334	0.355	3.65
34)	C	Hexachlorobuta...		0.209	0.198	0.202	0.192	0.195	0.198	0.193	0.198	2.95
35)		Caprolactam		0.097	0.107	0.107	0.107	0.106	0.111	0.105	0.106	4.09
36)	C	4-Chloro-3-met...		0.293	0.318	0.316	0.312	0.318	0.327	0.317	0.314	3.27
37)		2-Methylnaphth...		0.744	0.733	0.733	0.706	0.705	0.715	0.684	0.717	2.93
38)		1-Methylnaphth...		0.752	0.738	0.734	0.696	0.697	0.711	0.679	0.715	3.72

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE110624.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.546	0.518	0.535	0.513	0.519	0.535	0.525	0.527	2.24
41)	P	Hexachlorocycl...	0.106	0.128	0.153	0.167	0.175	0.178	0.171	0.154	17.72
42)	S	2,4,6-Tribromo...	0.388	0.391	0.391	0.369	0.364	0.375	0.357	0.376	3.64
43)	C	2,4,6-Trichlor...	0.358	0.352	0.360	0.358	0.361	0.376	0.369	0.362	2.21
44)		2,4,5-Trichlor...	0.390	0.381	0.402	0.400	0.411	0.425	0.415	0.403	3.71
45)	S	2-Fluorobiphenyl	1.353	1.295	1.299	1.204	1.160	1.163	1.100	1.225	7.52
46)		1,1'-Biphenyl	1.451	1.416	1.424	1.336	1.344	1.366	1.320	1.380	3.66
47)		2-Chloronaphth...	1.124	1.104	1.115	1.060	1.065	1.091	1.060	1.088	2.49
48)		2-Nitroaniline	0.248	0.273	0.292	0.288	0.300	0.312	0.302	0.288	7.44
49)		Acenaphthylene	1.664	1.660	1.661	1.584	1.586	1.629	1.565	1.622	2.62
50)		Dimethylphthalate	1.500	1.479	1.478	1.389	1.368	1.403	1.352	1.424	4.22
51)		2,6-Dinitrotol...	0.316	0.330	0.336	0.324	0.327	0.338	0.329	0.329	2.23
52)	C	Acenaphthene	1.116	1.075	1.080	1.007	0.996	1.007	0.962	1.035	5.38
53)		3-Nitroaniline	0.282	0.320	0.335	0.328	0.323	0.333	0.314	0.319	5.67
54)	P	2,4-Dinitrophenol		0.139	0.178	0.194	0.208	0.220	0.217	0.193	15.82
55)		Dibenzofuran	1.799	1.736	1.724	1.615	1.591	1.629	1.568	1.666	5.20
56)	P	4-Nitrophenol	0.197	0.235	0.278	0.275	0.274	0.295	0.290	0.264	13.26
57)		2,4-Dinitrotol...	0.426	0.456	0.480	0.460	0.463	0.482	0.466	0.462	3.99
58)		Fluorene	1.490	1.475	1.458	1.363	1.328	1.347	1.272	1.391	6.03
59)		2,3,4,6-Tetrac...	0.379	0.366	0.377	0.369	0.370	0.381	0.372	0.373	1.53
60)		Diethylphthalate	1.600	1.579	1.577	1.457	1.442	1.460	1.397	1.502	5.41
61)		4-Chlorophenyl...	0.757	0.736	0.733	0.689	0.680	0.692	0.657	0.706	5.12
62)		4-Nitroaniline	0.285	0.334	0.359	0.349	0.355	0.366	0.359	0.344	8.07
63)		Azobenzene	1.283	1.269	1.289	1.196	1.183	1.203	1.153	1.225	4.44
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.084	0.104	0.117	0.123	0.131	0.136	0.135	0.119	15.97
66)	c	n-Nitrosodiphe...	0.550	0.534	0.545	0.519	0.526	0.533	0.509	0.531	2.68
67)		4-Bromophenyl-...	0.226	0.218	0.221	0.214	0.221	0.225	0.219	0.221	1.85
68)		Hexachlorobenzene	0.301	0.290	0.295	0.282	0.287	0.294	0.283	0.290	2.33
69)		Atrazine	0.202	0.187	0.151	0.171	0.121	0.135	0.130	0.157	19.70
70)	C	Pentachlorophenol	0.129	0.139	0.155	0.162	0.167	0.176	0.176	0.158	11.39
71)		Phenanthrene	1.067	1.000	1.016	0.942	0.936	0.947	0.901	0.973	5.87
72)		Anthracene	1.030	0.985	0.998	0.943	0.932	0.949	0.887	0.961	4.94
73)		Carbazole	1.030	1.003	1.001	0.940	0.924	0.947	0.899	0.963	5.00
74)		Di-n-butylphth...	1.312	1.269	1.261	1.170	1.128	1.121	1.068	1.190	7.68
75)	C	Fluoranthene	1.442	1.353	1.316	1.208	1.157	1.158	1.096	1.247	10.04
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.324	0.433	0.250	0.403	0.656	0.503	0.440	0.430	30.17
78)		Pyrene	1.201	1.158	1.199	1.130	1.125	1.117	1.036	1.138	4.95
79)	S	Terphenyl-d14	1.065	1.023	1.028	0.902	0.819	0.780	0.707	0.904	15.44
80)		Butylbenzylpht...	0.541	0.522	0.531	0.507	0.500	0.505	0.474	0.511	4.31
81)		Benzo(a)anthra...	1.334	1.258	1.258	1.170	1.138	1.118	1.040	1.188	8.47
82)		3,3'-Dichlorob...	0.466	0.474	0.480	0.469	0.478	0.467	0.439	0.468	2.92
83)		Chrysene	1.261	1.215	1.207	1.116	1.074	1.050	0.979	1.129	9.06
84)		Bis(2-ethylhex...	0.857	0.816	0.822	0.760	0.738	0.733	0.686	0.773	7.81
85)	c	Di-n-octyl pht...	1.510	1.430	1.383	1.284	1.226	1.203	1.119	1.308	10.60

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Method File : 8270-BE110624.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.480	1.394	1.411	1.347	1.342	1.357	1.290	1.374	4.40
88)		Benzo(b)fluora...	1.220	1.158	1.107	1.056	1.053	1.073	1.014	1.097	6.46
89)		Benzo(k)fluora...	1.119	1.045	1.080	0.977	0.966	0.937	0.849	0.996	9.23
90)	C	Benzo(a)pyrene	1.023	0.974	0.977	0.926	0.923	0.931	0.877	0.947	5.02
91)		Dibenzo(a,h)an...	1.250	1.169	1.189	1.128	1.111	1.119	1.047	1.145	5.68
92)		Benzo(g,h,i)pe...	1.239	1.164	1.182	1.133	1.148	1.162	1.113	1.163	3.46

(#) = Out of Range

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 13 14:40:06 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140332.D 5 =BF140333.D 10 =BF140334.D 20 =BF140335.D 40 =BF140340.D 50 =BF140337.D 60 =BF140338.D 80 =BF1403
39.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.582	0.546	0.530	0.515	0.495	0.506	0.480	0.522	6.53
3)		Pyridine		1.430	1.343	1.323	1.316	1.189	1.237	1.147	1.283	7.61
4)		n-Nitrosodimet...		0.658	0.632	0.651	0.659	0.644	0.671	0.627	0.649	2.39
5)	S	2-Fluorophenol		1.329	1.257	1.223	1.150	1.090	1.118	1.032	1.171	8.84
6)		Aniline		1.587	1.527	1.495	1.451	1.267	1.270	1.066	1.381	13.42
7)	S	Phenol-d6		1.773	1.691	1.643	1.605	1.483	1.507	1.407	1.587	8.09
8)		2-Chlorophenol		1.397	1.349	1.332	1.263	1.176	1.184	1.106	1.258	8.49
9)		Benzaldehyde		1.101	1.087	1.017	0.891	0.828	0.783		0.951	14.32
10)	C	Phenol		1.799	1.793	1.743	1.724	1.582	1.597	1.478	1.674	7.31
11)		bis(2-Chloroet...		1.359	1.294	1.306	1.263	1.227	1.249	1.179	1.268	4.60
12)		1,3-Dichlorobe...		1.585	1.475	1.454	1.374	1.291	1.317	1.221	1.388	8.98
13)	C	1,4-Dichlorobe...		1.590	1.534	1.486	1.391	1.306	1.326	1.221	1.408	9.49
14)		1,2-Dichlorobe...		1.494	1.429	1.398	1.294	1.212	1.214	1.108	1.307	10.63
15)		Benzyl Alcohol		1.172	1.193	1.199	1.211	1.100	1.108	1.020	1.143	6.10
16)		2,2'-oxybis(1-...		1.906	1.826	1.815	1.816	1.666	1.684	1.549	1.752	7.01
17)		2-Methylphenol		1.092	1.062	1.072	1.064	0.998	1.016	0.942	1.035	5.07
18)		Hexachloroethane		0.562	0.543	0.550	0.514	0.500	0.506	0.468	0.520	6.30
19)	P	n-Nitroso-di-n...	1.032	1.029	1.003	0.986	0.982	0.883	0.905	0.848	0.959	7.30
20)		3+4-Methylphenols		1.436	1.427	1.359	1.351	1.200	1.198	1.091	1.294	10.21
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.532	0.508	0.481	0.450	0.434	0.441	0.411	0.465	9.35
23)	S	Nitrobenzene-d5		0.411	0.401	0.399	0.375	0.368	0.379	0.354	0.384	5.28
24)		Nitrobenzene		0.423	0.421	0.406	0.393	0.390	0.394	0.371	0.400	4.61
25)		Isophorone		0.736	0.702	0.692	0.674	0.654	0.671	0.634	0.680	4.87
26)	C	2-Nitrophenol		0.175	0.179	0.181	0.179	0.175	0.181	0.171	0.177	1.99
27)		2,4-Dimethylph...		0.238	0.236	0.232	0.223	0.221	0.227	0.214	0.227	3.86
28)		bis(2-Chloroet...		0.461	0.442	0.430	0.407	0.398	0.404	0.379	0.417	6.80
29)	C	2,4-Dichloroph...		0.307	0.296	0.287	0.275	0.272	0.272	0.255	0.281	6.20
30)		1,2,4-Trichlor...		0.346	0.331	0.325	0.302	0.298	0.301	0.283	0.312	7.15
31)		Naphthalene		1.160	1.105	1.064	0.982	0.950	0.955	0.886	1.015	9.60
32)		Benzoic acid		0.162	0.178	0.180	0.212	0.215	0.226	0.226	0.200	13.01
33)		4-Chloroaniline		0.390	0.386	0.370	0.340	0.333	0.340	0.311	0.353	8.36
34)	C	Hexachlorobuta...		0.220	0.214	0.210	0.193	0.188	0.190	0.178	0.199	7.73
35)		Caprolactam		0.098	0.093	0.094	0.092	0.091	0.095	0.089	0.093	3.27
36)	C	4-Chloro-3-met...		0.331	0.327	0.320	0.309	0.299	0.304	0.287	0.311	5.14
37)		2-Methylnaphth...		0.751	0.706	0.683	0.632	0.610	0.607	0.565	0.651	10.01
38)		1-Methylnaphth...		0.734	0.696	0.673	0.625	0.589	0.592	0.550	0.637	10.39

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111324.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.646	0.585	0.583	0.531	0.524	0.517	0.485	0.553	9.85
41)	P	Hexachlorocycl...		0.111	0.143	0.139	0.156	0.159	0.145	0.142	12.04
42)	S	2,4,6-Tribromo...	0.220	0.211	0.207	0.193	0.191	0.189	0.182	0.199	6.88
43)	C	2,4,6-Trichlor...	0.380	0.374	0.374	0.360	0.360	0.352	0.341	0.363	3.87
44)		2,4,5-Trichlor...	0.421	0.417	0.412	0.389	0.387	0.390	0.361	0.397	5.41
45)	S	2-Fluorobiphenyl	1.524	1.396	1.351	1.172	1.125	1.110	1.031	1.244	14.50
46)		1,1'-Biphenyl	1.690	1.571	1.565	1.404	1.368	1.343	1.244	1.455	10.80
47)		2-Chloronaphth...	1.279	1.182	1.149	1.065	1.064	1.049	0.971	1.108	9.20
48)		2-Nitroaniline	0.378	0.365	0.384	0.364	0.365	0.366	0.351	0.368	2.91
49)		Acenaphthylene	1.940	1.802	1.786	1.636	1.582	1.552	1.441	1.677	10.29
50)		Dimethylphthalate	1.464	1.358	1.371	1.261	1.246	1.244	1.181	1.304	7.47
51)		2,6-Dinitrotol...	0.317	0.303	0.313	0.297	0.291	0.289	0.268	0.297	5.57
52)	C	Acenaphthene	1.259	1.204	1.192	1.096	1.091	1.079	1.006	1.133	7.78
53)		3-Nitroaniline	0.333	0.327	0.335	0.310	0.307	0.298	0.275	0.312	6.92
54)	P	2,4-Dinitrophenol		0.109	0.148	0.147	0.178	0.170	0.168	0.153	16.27
55)		Dibenzofuran	1.904	1.736	1.715	1.558	1.502	1.466	1.344	1.603	11.92
56)	P	4-Nitrophenol	0.199	0.217	0.239	0.236	0.240	0.237	0.225	0.228	6.67
57)		2,4-Dinitrotol...	0.414	0.400	0.417	0.387	0.387	0.382	0.351	0.391	5.77
58)		Fluorene	1.525	1.403	1.365	1.202	1.168	1.137	1.066	1.267	13.14
59)		2,3,4,6-Tetrac...	0.322	0.328	0.326	0.318	0.308	0.302	0.288	0.313	4.61
60)		Diethylphthalate	1.525	1.417	1.398	1.287	1.272	1.246	1.185	1.333	8.85
61)		4-Chlorophenyl...	0.739	0.688	0.669	0.604	0.583	0.567	0.528	0.625	12.01
62)		4-Nitroaniline	0.335	0.325	0.328	0.319	0.316	0.313	0.297	0.319	3.86
63)		Azobenzene	1.498	1.391	1.380	1.293	1.251	1.244	1.163	1.317	8.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.080	0.098	0.113	0.109	0.117	0.120	0.116	0.108	13.00
66)	c	n-Nitrosodiphe...	0.651	0.630	0.600	0.559	0.541	0.541	0.522	0.578	8.57
67)		4-Bromophenyl-...	0.227	0.210	0.209	0.194	0.191	0.188	0.180	0.200	8.14
68)		Hexachlorobenzene	0.251	0.242	0.232	0.218	0.209	0.215	0.208	0.225	7.54
69)		Atrazine	0.191	0.183	0.135	0.145	0.155	0.205	0.209	0.175	17.03
70)	C	Pentachlorophenol	0.097	0.108	0.124	0.127	0.131	0.130	0.130	0.121	10.87
71)		Phenanthrene	1.096	1.053	0.986	0.903	0.868	0.851	0.820	0.940	11.33
72)		Anthracene	1.071	1.018	0.966	0.889	0.860	0.839	0.803	0.921	10.81
73)		Carbazole	1.053	1.009	0.963	0.876	0.846	0.834	0.783	0.909	11.02
74)		Di-n-butylphth...	1.214	1.177	1.150	1.074	1.036	1.023	0.964	1.091	8.37
75)	C	Fluoranthene	1.256	1.201	1.141	1.018	0.962	0.933	0.867	1.054	13.92
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.634	0.684	0.653	0.742	0.953	0.939	0.768	18.64
78)		Pyrene	1.748	1.706	1.643	1.679	1.728	1.800	1.672	1.711	3.08
79)	S	Terphenyl-d14	1.226	1.185	1.108	1.123	1.139	1.190	1.093	1.152	4.26
80)		Butylbenzylpht...	0.640	0.638	0.654	0.690	0.670	0.681	0.628	0.657	3.56
81)		Benzo(a)anthra...	1.451	1.418	1.351	1.263	1.229	1.294	1.195	1.314	7.31
82)		3,3'-Dichlorob...	0.438	0.431	0.433	0.402	0.406	0.416	0.399	0.418	3.79
83)		Chrysene	1.394	1.241	1.235	1.168	1.137	1.123	1.099	1.199	8.44
84)		Bis(2-ethylhex...	0.886	0.890	0.897	0.927	0.858	0.869	0.813	0.877	4.07
85)	c	Di-n-octyl pht...	1.231	1.217	1.270	1.290	1.187	1.241	1.212	1.235	2.86

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111324.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.116	1.150	1.138	1.258	1.316	1.354	1.317	1.235	8.02
88)		Benzo(b)fluora...	1.405	1.352	1.471	1.263	1.235	1.233	1.199	1.308	7.82
89)		Benzo(k)fluora...	1.286	1.241	1.120	1.060	0.952	0.935	0.888	1.069	14.47
90)	C	Benzo(a)pyrene	1.100	1.053	1.054	1.005	0.970	0.980	0.948	1.016	5.40
91)		Dibenzo(a,h)an...	0.941	0.952	0.944	1.039	1.074	1.121	1.077	1.021	7.30
92)		Benzo(g,h,i)pe...	0.941	0.963	0.954	1.063	1.122	1.146	1.120	1.044	8.55

(#) = Out of Range

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 21 15:23:48 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140528.D 5 =BF140529.D 10 =BF140530.D 20 =BF140531.D 40 =BF140532.D 50 =BF140533.D 60 =BF140534.D 80 =BF1405
35.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.501	0.502	0.576	0.489	0.452	0.454	0.477	0.493	8.46
3)		Pyridine		0.981	1.019	1.121	1.192	1.062	1.087	1.128	1.084	6.54
4)		n-Nitrosodimet...		0.616	0.611	0.661	0.648	0.632	0.632	0.660	0.637	3.15
5)	S	2-Fluorophenol		1.261	1.233	1.202	1.174	1.117	1.127	1.091	1.172	5.40
6)		Aniline		1.159	1.195	1.133	1.251	1.042	1.020	0.835	1.091	12.73
7)	S	Phenol-d6		1.729	1.617	1.559	1.602	1.465	1.470	1.407	1.550	7.14
8)		2-Chlorophenol		1.385	1.328	1.278	1.283	1.201	1.208	1.145	1.261	6.51
9)		Benzaldehyde			1.007	0.970	0.738	0.752	0.635		0.820	19.55
10)	C	Phenol		1.723	1.648	1.620	1.667	1.514	1.490	1.417	1.583	6.98
11)		bis(2-Chloroet...		1.292	1.242	1.214	1.246	1.146	1.200	1.138	1.211	4.56
12)		1,3-Dichlorobe...		1.600	1.493	1.433	1.399	1.345	1.361	1.288	1.417	7.31
13)	C	1,4-Dichlorobe...		1.613	1.501	1.456	1.428	1.358	1.372	1.314	1.435	7.04
14)		1,2-Dichlorobe...		1.503	1.434	1.375	1.355	1.268	1.266	1.210	1.344	7.71
15)		Benzyl Alcohol		1.234	1.174	1.161	1.224	1.113	1.090	1.048	1.149	5.98
16)		2,2'-oxybis(1-...		1.650	1.480	1.434	1.463	1.335	1.377	1.276	1.431	8.43
17)		2-Methylphenol		1.121	1.034	1.033	1.042	0.956	0.959	0.922	1.009	6.74
18)		Hexachloroethane		0.598	0.545	0.549	0.537	0.514	0.510	0.499	0.536	6.17
19)	P	n-Nitroso-di-n...	0.972	1.002	0.949	0.916	0.946	0.856	0.857	0.829	0.916	6.82
20)		3+4-Methylphenols		1.495	1.362	1.305	1.347	1.211	1.209	1.154	1.298	8.98
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.536	0.511	0.494	0.481	0.463	0.460	0.468	0.488	5.75
23)	S	Nitrobenzene-d5		0.409	0.403	0.395	0.392	0.377	0.377	0.383	0.391	3.21
24)		Nitrobenzene		0.439	0.409	0.409	0.401	0.388	0.391	0.392	0.404	4.35
25)		Isophorone		0.694	0.654	0.657	0.662	0.629	0.634	0.635	0.652	3.44
26)	C	2-Nitrophenol		0.178	0.172	0.185	0.180	0.178	0.180	0.180	0.179	2.17
27)		2,4-Dimethylph...		0.221	0.214	0.213	0.224	0.204	0.207	0.218	0.214	3.40
28)		bis(2-Chloroet...		0.428	0.408	0.403	0.397	0.378	0.384	0.383	0.397	4.37
29)	C	2,4-Dichloroph...		0.301	0.291	0.290	0.282	0.277	0.274	0.271	0.284	3.82
30)		1,2,4-Trichlor...		0.342	0.338	0.332	0.317	0.317	0.312	0.312	0.324	3.91
31)		Naphthalene		1.116	1.075	1.062	1.013	0.993	0.983	0.970	1.030	5.32
32)		Benzoic acid			0.101	0.126	0.177	0.185	0.192	0.202	0.164	24.72
33)		4-Chloroaniline		0.308	0.318	0.309	0.325	0.303	0.308	0.289	0.308	3.71
34)	C	Hexachlorobuta...		0.227	0.225	0.219	0.212	0.209	0.207	0.204	0.215	4.15
35)		Caprolactam		0.091	0.091	0.091	0.090	0.085	0.085	0.083	0.088	3.99
36)	C	4-Chloro-3-met...		0.348	0.318	0.317	0.327	0.307	0.307	0.301	0.318	4.95
37)		2-Methylnaphth...		0.724	0.680	0.669	0.650	0.623	0.620	0.615	0.654	6.09
38)		1-Methylnaphth...		0.707	0.665	0.659	0.638	0.611	0.608	0.601	0.641	5.98

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF112124.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.635	0.604	0.606	0.563	0.561	0.565	0.565	0.586	5.02
41)	P	Hexachlorocycl...		0.055	0.090	0.114	0.121	0.129	0.133	0.107	27.80
42)	S	2,4,6-Tribromo...	0.222	0.209	0.220	0.216	0.210	0.210	0.211	0.214	2.52
43)	C	2,4,6-Trichlor...	0.384	0.358	0.375	0.366	0.364	0.360	0.365	0.367	2.45
44)		2,4,5-Trichlor...	0.402	0.396	0.410	0.404	0.390	0.397	0.392	0.399	1.80
45)	S	2-Fluorobiphenyl	1.550	1.402	1.423	1.291	1.255	1.240	1.235	1.342	8.90
46)		1,1'-Biphenyl	1.666	1.530	1.563	1.447	1.427	1.418	1.403	1.493	6.50
47)		2-Chloronaphth...	1.251	1.145	1.162	1.106	1.082	1.084	1.091	1.131	5.39
48)		2-Nitroaniline	0.367	0.351	0.379	0.367	0.363	0.357	0.359	0.363	2.50
49)		Acenaphthylene	1.890	1.765	1.808	1.662	1.628	1.623	1.590	1.710	6.58
50)		Dimethylphthalate	1.455	1.329	1.346	1.299	1.267	1.270	1.254	1.317	5.28
51)		2,6-Dinitrotol...	0.314	0.299	0.307	0.301	0.291	0.293	0.286	0.299	3.24
52)	C	Acenaphthene	1.182	1.110	1.134	1.063	1.052	1.037	1.026	1.086	5.29
53)		3-Nitroaniline	0.307	0.297	0.309	0.300	0.289	0.281	0.262	0.292	5.71
54)	P	2,4-Dinitrophenol		0.057	0.089	0.140	0.145	0.150	0.154	0.122	32.70
55)		Dibenzofuran	1.898	1.739	1.739	1.622	1.559	1.531	1.509	1.657	8.53
56)	P	4-Nitrophenol		0.160	0.195	0.207	0.212	0.214	0.208	0.199	10.31
57)		2,4-Dinitrotol...	0.403	0.403	0.416	0.404	0.386	0.389	0.379	0.397	3.24
58)		Fluorene	1.509	1.409	1.399	1.295	1.263	1.224	1.210	1.330	8.37
59)		2,3,4,6-Tetrac...	0.307	0.296	0.308	0.312	0.305	0.305	0.312	0.306	1.72
60)		Diethylphthalate	1.495	1.375	1.393	1.311	1.292	1.268	1.234	1.338	6.66
61)		4-Chlorophenyl...	0.739	0.682	0.685	0.639	0.619	0.605	0.599	0.653	7.90
62)		4-Nitroaniline	0.307	0.301	0.315	0.312	0.310	0.309	0.291	0.306	2.67
63)		Azobenzene	1.406	1.320	1.320	1.235	1.205	1.206	1.179	1.267	6.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.073	0.090	0.110	0.110	0.117	0.113	0.102	16.74
66)	c	n-Nitrosodiphe...	0.632	0.618	0.597	0.578	0.577	0.580	0.558	0.591	4.39
67)		4-Bromophenyl-...	0.218	0.215	0.206	0.200	0.200	0.205	0.198	0.206	3.79
68)		Hexachlorobenzene	0.257	0.240	0.239	0.233	0.232	0.236	0.232	0.238	3.65
69)		Atrazine	0.181	0.171	0.131	0.140	0.147	0.196	0.198	0.166	16.37
70)	C	Pentachlorophenol		0.071	0.090	0.116	0.115	0.121	0.118	0.105	19.24
71)		Phenanthrene	1.074	1.020	0.970	0.944	0.925	0.916	0.881	0.961	6.87
72)		Anthracene	1.038	0.994	0.958	0.925	0.905	0.904	0.859	0.940	6.47
73)		Carbazole	1.004	0.949	0.930	0.889	0.876	0.862	0.821	0.905	6.75
74)		Di-n-butylphth...	1.144	1.075	1.074	1.023	1.021	1.007	0.967	1.044	5.56
75)	C	Fluoranthene	1.186	1.111	1.114	1.014	0.999	0.962	0.921	1.044	9.11
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.268	0.422	0.296	0.575	0.734	1.025	0.751	0.581	47.31
78)		Pyrene	1.905	1.801	1.897	1.853	1.791	1.898	1.799	1.849	2.79
79)	S	Terphenyl-d14	1.351	1.254	1.308	1.283	1.228	1.313	1.254	1.284	3.31
80)		Butylbenzylpht...	0.676	0.644	0.694	0.679	0.655	0.674	0.641	0.666	2.96
81)		Benzo(a)anthra...	1.409	1.319	1.379	1.286	1.295	1.338	1.242	1.324	4.30
82)		3,3'-Dichlorob...	0.375	0.383	0.393	0.413	0.406	0.419	0.394	0.397	4.03
83)		Chrysene	1.354	1.263	1.218	1.201	1.137	1.173	1.128	1.211	6.50
84)		Bis(2-ethylhex...	0.904	0.828	0.862	0.833	0.824	0.841	0.797	0.841	4.00
85)	c	Di-n-octyl pht...	1.198	1.133	1.147	1.132	1.147	1.169	1.121	1.150	2.29

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF112124.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.209	1.283	1.299	1.304	1.306	1.409	1.313	1.303	4.51
88)		Benzo(b)fluora...	1.347	1.256	1.380	1.186	1.248	1.207	1.168	1.256	6.41
89)		Benzo(k)fluora...	1.243	1.236	1.059	1.101	1.022	1.055	0.980	1.099	9.34
90)	C	Benzo(a)pyrene	1.062	1.050	1.063	1.007	0.998	1.014	0.957	1.021	3.81
91)		Dibenzo(a,h)an...	1.015	1.038	1.063	1.068	1.075	1.149	1.064	1.067	3.90
92)		Benzo(g,h,i)pe...	1.033	1.090	1.078	1.085	1.094	1.161	1.083	1.089	3.48

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_E Calibration Date/Time: 11/12/2024 10:18

Lab File ID: BE101575.D Init. Calib. Date(s): 11/06/2024 11/06/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:51 18:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.131	1.144		1.1	
Benzaldehyde	0.759	0.637		-16.1	
Phenol-d6	1.551	1.521		-1.9	
Phenol	1.688	1.674		-0.8	20.0
bis(2-Chloroethyl)ether	1.397	1.299		-7.0	
2-Chlorophenol	1.340	1.311		-2.2	
2-Methylphenol	1.093	1.083		-0.9	
2,2-oxybis(1-Chloropropane)	1.654	1.620		-2.1	
Acetophenone	0.453	0.450		-0.7	
3+4-Methylphenols	1.515	1.436		-5.2	
n-Nitroso-di-n-propylamine	1.023	0.964	0.050	-5.8	
Nitrobenzene-d5	0.317	0.329		3.8	
Hexachloroethane	0.500	0.496		-0.8	
Nitrobenzene	0.329	0.342		4.0	
Isophorone	0.616	0.606		-1.6	
2-Nitrophenol	0.175	0.178		1.7	20.0
2,4-Dimethylphenol	0.203	0.200		-1.5	
bis(2-Chloroethoxy)methane	0.377	0.369		-2.1	
2,4-Dichlorophenol	0.288	0.285		-1.0	20.0
Naphthalene	1.010	1.004		-0.6	
4-Chloroaniline	0.355	0.354		-0.3	
Hexachlorobutadiene	0.198	0.197		-0.5	20.0
Caprolactam	0.106	0.100		-5.7	
4-Chloro-3-methylphenol	0.314	0.305		-2.9	20.0
2-Methylnaphthalene	0.717	0.691		-3.6	
Hexachlorocyclopentadiene	0.154	0.169	0.050	9.7	
2,4,6-Trichlorophenol	0.362	0.367		1.4	20.0
2-Fluorobiphenyl	1.225	1.272		3.8	
2,4,5-Trichlorophenol	0.403	0.405		0.5	
1,1-Biphenyl	1.380	1.417		2.7	
2-Chloronaphthalene	1.088	1.105		1.6	
2-Nitroaniline	0.288	0.314		9.0	
Dimethylphthalate	1.424	1.379		-3.2	
Acenaphthylene	1.622	1.643		1.3	
2,6-Dinitrotoluene	0.329	0.331		0.6	
3-Nitroaniline	0.319	0.336		5.3	
Acenaphthene	1.035	1.053		1.7	20.0
2,4-Dinitrophenol	0.193	0.200	0.050	3.6	
4-Nitrophenol	0.264	0.279	0.050	5.7	

Form VII SV-1

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_E Calibration Date/Time: 11/12/2024 10:18

Lab File ID: BE101575.D Init. Calib. Date(s): 11/06/2024 11/06/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:51 18:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.666	1.655		-0.7	
2,4-Dinitrotoluene	0.462	0.469		1.5	
Diethylphthalate	1.502	1.462		-2.7	
4-Chlorophenyl-phenylether	0.706	0.688		-2.5	
Fluorene	1.391	1.403		0.9	
4-Nitroaniline	0.344	0.366		6.4	
4,6-Dinitro-2-methylphenol	0.119	0.124		4.2	
n-Nitrosodiphenylamine	0.531	0.531		0.0	20.0
2,4,6-Tribromophenol	0.376	0.358		-4.8	
4-Bromophenyl-phenylether	0.221	0.215		-2.7	
Hexachlorobenzene	0.290	0.280		-3.4	
Atrazine	0.157	0.151		-3.8	
Pentachlorophenol	0.158	0.160		1.3	20.0
Phenanthrene	0.973	0.971		-0.2	
Anthracene	0.961	0.970		0.9	
Carbazole	0.963	0.977		1.5	
Di-n-butylphthalate	1.190	1.176		-1.2	
Fluoranthene	1.247	1.250		0.2	20.0
Pyrene	1.138	1.143		0.4	
Terphenyl-d14	0.904	0.906		0.2	
Butylbenzylphthalate	0.511	0.511		0.0	
3,3-Dichlorobenzidine	0.468	0.485		3.6	
Benzo(a)anthracene	1.188	1.172		-1.3	
Chrysene	1.129	1.122		-0.6	
Bis(2-ethylhexyl)phthalate	0.773	0.758		-1.9	
Di-n-octyl phthalate	1.308	1.299		-0.7	20.0
Benzo(b)fluoranthene	1.097	1.086		-1.0	
Benzo(k)fluoranthene	0.996	1.026		3.0	
Benzo(a)pyrene	0.947	0.951		0.4	20.0
Indeno(1,2,3-cd)pyrene	1.374	1.381		0.5	
Dibenzo(a,h)anthracene	1.145	1.157		1.0	
Benzo(g,h,i)perylene	1.163	1.156		-0.6	
1,2,4,5-Tetrachlorobenzene	0.527	0.541		2.7	
1,4-Dioxane	0.421	0.425		0.9	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.363		-2.7	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date/Time: 11/14/2024 17:02

Lab File ID: BF140366.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.171	1.188		1.5	
Benzaldehyde	0.951	0.861		-9.5	
Phenol-d6	1.587	1.578		-0.6	
Phenol	1.674	1.678		0.2	20.0
bis(2-Chloroethyl)ether	1.268	1.243		-2.0	
2-Chlorophenol	1.258	1.256		-0.2	
2-Methylphenol	1.035	1.033		-0.2	
2,2-oxybis(1-Chloropropane)	1.752	1.678		-4.2	
Acetophenone	0.465	0.463		-0.4	
3+4-Methylphenols	1.295	1.288		-0.5	
n-Nitroso-di-n-propylamine	0.959	0.909	0.050	-5.2	
Nitrobenzene-d5	0.384	0.381		-0.8	
Hexachloroethane	0.520	0.504		-3.1	
Nitrobenzene	0.400	0.401		0.3	
Isophorone	0.680	0.661		-2.8	
2-Nitrophenol	0.177	0.178		0.6	20.0
2,4-Dimethylphenol	0.227	0.227		0.0	
bis(2-Chloroethoxy)methane	0.417	0.404		-3.1	
2,4-Dichlorophenol	0.281	0.281		0.0	20.0
Naphthalene	1.015	1.009		-0.6	
4-Chloroaniline	0.353	0.327		-7.4	
Hexachlorobutadiene	0.199	0.195		-2.0	20.0
Caprolactam	0.093	0.094		1.1	
4-Chloro-3-methylphenol	0.311	0.311		0.0	20.0
2-Methylnaphthalene	0.651	0.642		-1.4	
Hexachlorocyclopentadiene	0.142	0.133	0.050	-6.3	
2,4,6-Trichlorophenol	0.363	0.368		1.4	20.0
2-Fluorobiphenyl	1.244	1.231		-1.0	
2,4,5-Trichlorophenol	0.397	0.409		3.0	
1,1-Biphenyl	1.455	1.467		0.8	
2-Chloronaphthalene	1.108	1.111		0.3	
2-Nitroaniline	0.368	0.374		1.6	
Dimethylphthalate	1.304	1.272		-2.5	
Acenaphthylene	1.677	1.672		-0.3	
2,6-Dinitrotoluene	0.297	0.303		2.0	
3-Nitroaniline	0.312	0.313		0.3	
Acenaphthene	1.133	1.135		0.2	20.0
2,4-Dinitrophenol	0.153	0.154	0.050	0.7	
4-Nitrophenol	0.228	0.236	0.050	3.5	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date/Time: 11/14/2024 17:02

Lab File ID: BF140366.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.603	1.616		0.8	
2,4-Dinitrotoluene	0.391	0.397		1.5	
Diethylphthalate	1.333	1.281		-3.9	
4-Chlorophenyl-phenylether	0.625	0.604		-3.4	
Fluorene	1.267	1.256		-0.9	
4-Nitroaniline	0.319	0.328		2.8	
4,6-Dinitro-2-methylphenol	0.108	0.114		5.6	
n-Nitrosodiphenylamine	0.578	0.569		-1.6	20.0
2,4,6-Tribromophenol	0.199	0.200		0.5	
4-Bromophenyl-phenylether	0.200	0.193		-3.5	
Hexachlorobenzene	0.225	0.223		-0.9	
Atrazine	0.175	0.164		-6.3	
Pentachlorophenol	0.121	0.124		2.5	20.0
Phenanthrene	0.940	0.926		-1.5	
Anthracene	0.921	0.905		-1.7	
Carbazole	0.909	0.912		0.3	
Di-n-butylphthalate	1.091	1.021		-6.4	
Fluoranthene	1.054	1.029		-2.4	20.0
Pyrene	1.711	1.783		4.2	
Terphenyl-d14	1.152	1.148		-0.3	
Butylbenzylphthalate	0.657	0.642		-2.3	
3,3-Dichlorobenzidine	0.418	0.409		-2.2	
Benzo(a)anthracene	1.314	1.308		-0.5	
Chrysene	1.199	1.156		-3.6	
Bis(2-ethylhexyl)phthalate	0.877	0.791		-9.8	
Di-n-octyl phthalate	1.235	1.083		-12.3	20.0
Benzo(b)fluoranthene	1.308	1.240		-5.2	
Benzo(k)fluoranthene	1.069	1.043		-2.4	
Benzo(a)pyrene	1.016	1.000		-1.6	20.0
Indeno(1,2,3-cd)pyrene	1.235	1.295		4.9	
Dibenzo(a,h)anthracene	1.021	1.058		3.6	
Benzo(g,h,i)perylene	1.044	1.108		6.1	
1,2,4,5-Tetrachlorobenzene	0.553	0.555		0.4	
1,4-Dioxane	0.522	0.547		4.8	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.320		2.2	

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: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date/Time: 11/15/2024 09:42

Lab File ID: BF140391.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.171	1.174		0.3	
Benzaldehyde	0.951	0.866		-8.9	
Phenol-d6	1.587	1.530		-3.6	
Phenol	1.674	1.610		-3.8	20.0
bis(2-Chloroethyl)ether	1.268	1.224		-3.5	
2-Chlorophenol	1.258	1.239		-1.5	
2-Methylphenol	1.035	0.992		-4.2	
2,2-oxybis(1-Chloropropane)	1.752	1.582		-9.7	
Acetophenone	0.465	0.462		-0.6	
3+4-Methylphenols	1.295	1.266		-2.2	
n-Nitroso-di-n-propylamine	0.959	0.883	0.050	-7.9	
Nitrobenzene-d5	0.384	0.381		-0.8	
Hexachloroethane	0.520	0.507		-2.5	
Nitrobenzene	0.400	0.397		-0.8	
Isophorone	0.680	0.646		-5.0	
2-Nitrophenol	0.177	0.180		1.7	20.0
2,4-Dimethylphenol	0.227	0.221		-2.6	
bis(2-Chloroethoxy)methane	0.417	0.394		-5.5	
2,4-Dichlorophenol	0.281	0.280		-0.4	20.0
Naphthalene	1.015	1.007		-0.8	
4-Chloroaniline	0.353	0.334		-5.4	
Hexachlorobutadiene	0.199	0.197		-1.0	20.0
Caprolactam	0.093	0.094		1.1	
4-Chloro-3-methylphenol	0.311	0.310		-0.3	20.0
2-Methylnaphthalene	0.651	0.633		-2.8	
Hexachlorocyclopentadiene	0.142	0.122	0.050	-14.1	
2,4,6-Trichlorophenol	0.363	0.368		1.4	20.0
2-Fluorobiphenyl	1.244	1.225		-1.5	
2,4,5-Trichlorophenol	0.397	0.403		1.5	
1,1-Biphenyl	1.455	1.438		-1.2	
2-Chloronaphthalene	1.108	1.095		-1.2	
2-Nitroaniline	0.368	0.371		0.8	
Dimethylphthalate	1.304	1.272		-2.5	
Acenaphthylene	1.677	1.677		0.0	
2,6-Dinitrotoluene	0.297	0.302		1.7	
3-Nitroaniline	0.312	0.312		0.0	
Acenaphthene	1.133	1.124		-0.8	20.0
2,4-Dinitrophenol	0.153	0.148	0.050	-3.3	
4-Nitrophenol	0.228	0.236	0.050	3.5	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date/Time: 11/15/2024 09:42

Lab File ID: BF140391.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.603	1.595		-0.5	
2,4-Dinitrotoluene	0.391	0.402		2.8	
Diethylphthalate	1.333	1.292		-3.1	
4-Chlorophenyl-phenylether	0.625	0.612		-2.1	
Fluorene	1.267	1.257		-0.8	
4-Nitroaniline	0.319	0.335		5.0	
4,6-Dinitro-2-methylphenol	0.108	0.116		7.4	
n-Nitrosodiphenylamine	0.578	0.566		-2.1	20.0
2,4,6-Tribromophenol	0.199	0.198		-0.5	
4-Bromophenyl-phenylether	0.200	0.193		-3.5	
Hexachlorobenzene	0.225	0.225		0.0	
Atrazine	0.175	0.155		-11.4	
Pentachlorophenol	0.121	0.117		-3.3	20.0
Phenanthrene	0.940	0.915		-2.7	
Anthracene	0.921	0.914		-0.8	
Carbazole	0.909	0.920		1.2	
Di-n-butylphthalate	1.091	1.028		-5.8	
Fluoranthene	1.054	1.039		-1.4	20.0
Pyrene	1.711	1.790		4.6	
Terphenyl-d14	1.152	1.158		0.5	
Butylbenzylphthalate	0.657	0.675		2.7	
3,3-Dichlorobenzidine	0.418	0.425		1.7	
Benzo(a)anthracene	1.314	1.279		-2.7	
Chrysene	1.199	1.195		-0.3	
Bis(2-ethylhexyl)phthalate	0.877	0.861		-1.8	
Di-n-octyl phthalate	1.235	1.164		-5.7	20.0
Benzo(b)fluoranthene	1.308	1.193		-8.8	
Benzo(k)fluoranthene	1.069	1.073		0.4	
Benzo(a)pyrene	1.016	1.005		-1.1	20.0
Indeno(1,2,3-cd)pyrene	1.235	1.249		1.1	
Dibenzo(a,h)anthracene	1.021	1.024		0.3	
Benzo(g,h,i)perylene	1.044	1.073		2.8	
1,2,4,5-Tetrachlorobenzene	0.553	0.546		-1.3	
1,4-Dioxane	0.522	0.518		-0.8	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.312		-0.3	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date/Time: 11/25/2024 09:33

Lab File ID: BF140590.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.119		-4.5	
Benzaldehyde	0.820	0.779		-5.0	
Phenol-d6	1.550	1.507		-2.8	
Phenol	1.583	1.586		0.2	20.0
bis(2-Chloroethyl)ether	1.211	1.180		-2.6	
2-Chlorophenol	1.261	1.243		-1.4	
2-Methylphenol	1.010	0.988		-2.2	
2,2-oxybis(1-Chloropropane)	1.431	1.423		-0.6	
Acetophenone	0.488	0.461		-5.5	
3+4-Methylphenols	1.298	1.252		-3.5	
n-Nitroso-di-n-propylamine	0.916	0.880	0.050	-3.9	
Nitrobenzene-d5	0.391	0.377		-3.6	
Hexachloroethane	0.536	0.520		-3.0	
Nitrobenzene	0.404	0.386		-4.5	
Isophorone	0.652	0.631		-3.2	
2-Nitrophenol	0.179	0.180		0.6	20.0
2,4-Dimethylphenol	0.214	0.218		1.9	
bis(2-Chloroethoxy)methane	0.397	0.394		-0.8	
2,4-Dichlorophenol	0.284	0.282		-0.7	20.0
Naphthalene	1.030	1.017		-1.3	
4-Chloroaniline	0.308	0.331		7.5	
Hexachlorobutadiene	0.215	0.212		-1.4	20.0
Caprolactam	0.088	0.090		2.3	
4-Chloro-3-methylphenol	0.318	0.314		-1.3	20.0
2-Methylnaphthalene	0.654	0.650		-0.6	
Hexachlorocyclopentadiene	0.107	0.100	0.050	-6.5	
2,4,6-Trichlorophenol	0.367	0.368		0.3	20.0
2-Fluorobiphenyl	1.342	1.315		-2.0	
2,4,5-Trichlorophenol	0.399	0.405		1.5	
1,1-Biphenyl	1.493	1.483		-0.7	
2-Chloronaphthalene	1.131	1.133		0.2	
2-Nitroaniline	0.363	0.361		-0.6	
Dimethylphthalate	1.317	1.305		-0.9	
Acenaphthylene	1.710	1.718		0.5	
2,6-Dinitrotoluene	0.299	0.304		1.7	
3-Nitroaniline	0.292	0.298		2.1	
Acenaphthene	1.086	1.091		0.5	20.0
2,4-Dinitrophenol	0.122	0.127	0.050	4.1	
4-Nitrophenol	0.199	0.190	0.050	-4.5	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date/Time: 11/25/2024 09:33

Lab File ID: BF140590.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.657	1.654		-0.2	
2,4-Dinitrotoluene	0.397	0.407		2.5	
Diethylphthalate	1.338	1.312		-1.9	
4-Chlorophenyl-phenylether	0.653	0.649		-0.6	
Fluorene	1.330	1.315		-1.1	
4-Nitroaniline	0.306	0.308		0.7	
4,6-Dinitro-2-methylphenol	0.102	0.105		2.9	
n-Nitrosodiphenylamine	0.591	0.579		-2.0	20.0
2,4,6-Tribromophenol	0.214	0.210		-1.9	
4-Bromophenyl-phenylether	0.206	0.203		-1.5	
Hexachlorobenzene	0.238	0.233		-2.1	
Atrazine	0.166	0.168		1.2	
Pentachlorophenol	0.105	0.110		4.8	20.0
Phenanthrene	0.961	0.960		-0.1	
Anthracene	0.940	0.932		-0.9	
Carbazole	0.905	0.906		0.1	
Di-n-butylphthalate	1.044	1.047		0.3	
Fluoranthene	1.044	1.089		4.3	20.0
Pyrene	1.849	1.784		-3.5	
Terphenyl-d14	1.284	1.204		-6.2	
Butylbenzylphthalate	0.666	0.675		1.4	
3,3-Dichlorobenzidine	0.397	0.378		-4.8	
Benzo(a)anthracene	1.324	1.309		-1.1	
Chrysene	1.211	1.194		-1.4	
Bis(2-ethylhexyl)phthalate	0.841	0.854		1.5	
Di-n-octyl phthalate	1.150	1.214		5.6	20.0
Benzo(b)fluoranthene	1.256	1.296		3.2	
Benzo(k)fluoranthene	1.099	1.007		-8.4	
Benzo(a)pyrene	1.021	1.000		-2.1	20.0
Indeno(1,2,3-cd)pyrene	1.303	1.273		-2.3	
Dibenzo(a,h)anthracene	1.067	1.042		-2.3	
Benzo(g,h,i)perylene	1.089	1.078		-1.0	
1,2,4,5-Tetrachlorobenzene	0.586	0.586		0.0	
1,4-Dioxane	0.493	0.469		-4.9	20.0
2,3,4,6-Tetrachlorophenol	0.306	0.320		4.6	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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LAB CHRONICLE

OrderID:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-03	**WC-1(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
P4722-08	**WC-2(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
P4722-13	**WC-3(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	

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Hit Summary Sheet
SW-846

SDG No.: P4722 **Order ID:** P4722

Client: Walsh Construction Company II, LLC **Project ID:** NYCDEP C547A - Shafts 17B-1 & 18B

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC-1(0-6)								
P4722-03	WC-1(0-6)	SOIL	4,4-DDE	2.40	JP	1.40	18.1	ug/kg
P4722-03	WC-1(0-6)	SOIL	4,4-DDD	4.20	J	2.00	18.1	ug/kg
			Total Concentration:	**6.600**				
Client ID : WC-2(0-6)								
P4722-08	WC-2(0-6)	SOIL	Endosulfan Sulfate	0.80	J	0.14	1.90	ug/kg
			Total Concentration:	**0.800**				

SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.8 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092913.D	10	11/07/24 08:40	11/07/24 17:55	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	1.90	U	1.90	18.1	ug/kg
319-85-7	beta-BHC	5.20	U	5.20	18.1	ug/kg
319-86-8	delta-BHC	5.00	U	5.00	18.1	ug/kg
58-89-9	gamma-BHC (Lindane)	2.00	U	2.00	18.1	ug/kg
76-44-8	Heptachlor	1.80	U	1.80	18.1	ug/kg
309-00-2	Aldrin	1.50	U	1.50	18.1	ug/kg
1024-57-3	Heptachlor epoxide	2.40	U	2.40	18.1	ug/kg
959-98-8	Endosulfan I	1.80	U	1.80	18.1	ug/kg
60-57-1	Dieldrin	1.60	U	1.60	18.1	ug/kg
72-55-9	4,4-DDE	2.40	JP	1.40	18.1	ug/kg
72-20-8	Endrin	1.70	U	1.70	18.1	ug/kg
33213-65-9	Endosulfan II	3.20	U	3.20	18.1	ug/kg
72-54-8	4,4-DDD	4.20	J	2.00	18.1	ug/kg
1031-07-8	Endosulfan Sulfate	1.40	U	1.40	18.1	ug/kg
50-29-3	4,4-DDT	1.80	U	1.80	18.1	ug/kg
72-43-5	Methoxychlor	4.00	U	4.00	18.1	ug/kg
53494-70-5	Endrin ketone	2.30	U	2.30	18.1	ug/kg
7421-93-4	Endrin aldehyde	4.10	U	4.10	18.1	ug/kg
5103-71-9	alpha-Chlordane	1.80	U	1.80	18.1	ug/kg
5103-74-2	gamma-Chlordane	2.00	U	2.00	18.1	ug/kg
8001-35-2	Toxaphene	55.5	U	55.5	351	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.7		10 - 148	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.2		10 - 159	81%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.8 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092913.D	10	11/07/24 08:40	11/07/24 17:55	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-08	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.1 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092905.D	1	11/07/24 08:40	11/07/24 16:04	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.20	U	0.20	1.90	ug/kg
319-85-7	beta-BHC	0.54	U	0.54	1.90	ug/kg
319-86-8	delta-BHC	0.52	U	0.52	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.21	U	0.21	1.90	ug/kg
76-44-8	Heptachlor	0.19	U	0.19	1.90	ug/kg
309-00-2	Aldrin	0.15	U	0.15	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.25	U	0.25	1.90	ug/kg
959-98-8	Endosulfan I	0.19	U	0.19	1.90	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	1.90	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.90	ug/kg
72-20-8	Endrin	0.18	U	0.18	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.21	U	0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.80	J	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.19	U	0.19	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.19	U	0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.21	U	0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	36.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.1		10 - 148	81%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.4		10 - 159	77%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-08	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.1 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092905.D	1	11/07/24 08:40	11/07/24 16:04	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-13	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	86.6 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092914.D	10	11/07/24 08:40	11/07/24 18:09	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	2.10	U	2.10	19.6	ug/kg
319-85-7	beta-BHC	5.70	U	5.70	19.6	ug/kg
319-86-8	delta-BHC	5.40	U	5.40	19.6	ug/kg
58-89-9	gamma-BHC (Lindane)	2.20	U	2.20	19.6	ug/kg
76-44-8	Heptachlor	2.00	U	2.00	19.6	ug/kg
309-00-2	Aldrin	1.60	U	1.60	19.6	ug/kg
1024-57-3	Heptachlor epoxide	2.70	U	2.70	19.6	ug/kg
959-98-8	Endosulfan I	2.00	U	2.00	19.6	ug/kg
60-57-1	Dieldrin	1.70	U	1.70	19.6	ug/kg
72-55-9	4,4-DDE	1.50	U	1.50	19.6	ug/kg
72-20-8	Endrin	1.80	U	1.80	19.6	ug/kg
33213-65-9	Endosulfan II	3.50	U	3.50	19.6	ug/kg
72-54-8	4,4-DDD	2.20	U	2.20	19.6	ug/kg
1031-07-8	Endosulfan Sulfate	1.50	U	1.50	19.6	ug/kg
50-29-3	4,4-DDT	2.00	U	2.00	19.6	ug/kg
72-43-5	Methoxychlor	4.40	U	4.40	19.6	ug/kg
53494-70-5	Endrin ketone	2.50	U	2.50	19.6	ug/kg
7421-93-4	Endrin aldehyde	4.50	U	4.50	19.6	ug/kg
5103-71-9	alpha-Chlordane	2.00	U	2.00	19.6	ug/kg
5103-74-2	gamma-Chlordane	2.20	U	2.20	19.6	ug/kg
8001-35-2	Toxaphene	60.3	U	60.3	381	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.2		10 - 148	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.1		10 - 159	76%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-13	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	86.6 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092914.D	10	11/07/24 08:40	11/07/24 18:09	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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() = Laboratory InHouse Limit

QC SUMMARY

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Surrogate Summary

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL092652.D	PIBLK-PL092652.D	Decachlorobiphenyl	1	20	22.7	114		43	140
		Tetrachloro-m-xylene	1	20	21.6	108		77	126
		Decachlorobiphenyl	2	20	21.7	109		43	140
		Tetrachloro-m-xylene	2	20	20.4	102		77	126
I.BLK-PL092886.D	PIBLK-PL092886.D	Decachlorobiphenyl	1	20	20.5	103		43	140
		Tetrachloro-m-xylene	1	20	20.4	102		77	126
		Decachlorobiphenyl	2	20	19.2	96		43	140
		Tetrachloro-m-xylene	2	20	19.5	98		77	126
PB164749BL	PB164749BL	Decachlorobiphenyl	1	20	22.4	112		10	148
		Tetrachloro-m-xylene	1	20	20.9	104		10	159
		Decachlorobiphenyl	2	20	22.3	111		10	148
		Tetrachloro-m-xylene	2	20	20.1	101		10	159
PB164749BS	PB164749BS	Decachlorobiphenyl	1	20	19.3	96		10	148
		Tetrachloro-m-xylene	1	20	18.2	91		10	159
		Decachlorobiphenyl	2	20	19.1	96		10	148
		Tetrachloro-m-xylene	2	20	16.9	85		10	159
P4720-01MS	JC-701-COMP-01MS	Decachlorobiphenyl	1	20	13.5	67		10	148
		Tetrachloro-m-xylene	1	20	15.1	75		10	159
		Decachlorobiphenyl	2	20	14.3	72		10	148
		Tetrachloro-m-xylene	2	20	10.8	54		10	159
P4720-01MSD	JC-701-COMP-01MSD	Decachlorobiphenyl	1	20	13.4	67		10	148
		Tetrachloro-m-xylene	1	20	15.2	76		10	159
		Decachlorobiphenyl	2	20	14.4	72		10	148
		Tetrachloro-m-xylene	2	20	10.9	55		10	159
I.BLK-PL092903.D	PIBLK-PL092903.D	Decachlorobiphenyl	1	20	18.5	92		43	140
		Tetrachloro-m-xylene	1	20	20.5	103		77	126
		Decachlorobiphenyl	2	20	17.0	85		43	140
		Tetrachloro-m-xylene	2	20	19.4	97		77	126
P4722-08	WC-2(0-6)	Decachlorobiphenyl	1	20	16.1	81		10	148
		Tetrachloro-m-xylene	1	20	13.9	69		10	159
		Decachlorobiphenyl	2	20	12.6	63		10	148
		Tetrachloro-m-xylene	2	20	15.4	77		10	159
I.BLK-PL092911.D	PIBLK-PL092911.D	Decachlorobiphenyl	1	20	19.1	96		43	140
		Tetrachloro-m-xylene	1	20	20.0	100		77	126
		Decachlorobiphenyl	2	20	17.3	86		43	140
		Tetrachloro-m-xylene	2	20	19.5	98		77	126
P4722-03	WC-1(0-6)	Decachlorobiphenyl	1	20	19.7	99		10	148
		Tetrachloro-m-xylene	1	20	14.9	75		10	159
		Decachlorobiphenyl	2	20	16.6	83		10	148
		Tetrachloro-m-xylene	2	20	16.2	81		10	159
P4722-13	WC-3(0-6)	Decachlorobiphenyl	1	20	18.2	91		10	148

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Surrogate Summary

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
P4722-13	WC-3(0-6)	Tetrachloro-m-xylene	1	20	15.1	76		10	159
		Decachlorobiphenyl	2	20	13.2	66		10	148
		Tetrachloro-m-xylene	2	20	15.1	76		10	159
I.BLK-PL092915.D	PIBLK-PL092915.D	Decachlorobiphenyl	1	20	20.3	101		43	140
		Tetrachloro-m-xylene	1	20	20.5	103		77	126
		Decachlorobiphenyl	2	20	18.7	93		43	140
		Tetrachloro-m-xylene	2	20	20.1	100		77	126

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B **DataFile :** PL092900.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**JC-701-COMP-01MS**											
P4720-01MS	alpha-BHC	18.35	0	16.4	ug/kg	89				60	144	
	beta-BHC	18.35	0	19.0	ug/kg	104				54	143	
	delta-BHC	18.35	0	4.60	ug/kg	25	*			47	144	
	gamma-BHC (Lindane)	18.35	0	16.7	ug/kg	91				61	140	
	Heptachlor	18.35	0	19.3	ug/kg	105				63	135	
	Aldrin	18.35	0	18.3	ug/kg	100				49	139	
	Heptachlor epoxide	18.35	0	18.6	ug/kg	101				32	180	
	Endosulfan I	18.35	0	17.9	ug/kg	98				56	142	
	Dieldrin	18.35	0	20.8	ug/kg	113				47	161	
	4,4'-DDE	18.35	7.3	25.7	ug/kg	100				55	136	
	Endrin	18.35	0	21.7	ug/kg	118				57	139	
	Endosulfan II	18.35	0	20.0	ug/kg	109				40	163	
	4,4'-DDD	18.35	0	20.3	ug/kg	111				37	192	
	Endosulfan sulfate	18.35	0	15.7	ug/kg	86				62	139	
	4,4'-DDT	18.35	14.8	31.9	ug/kg	93				51	146	
	Methoxychlor	18.35	0	18.1	ug/kg	99				54	136	
	Endrin ketone	18.35	0	18.0	ug/kg	98				60	129	
	Endrin aldehyde	18.35	0	18.5	ug/kg	101				59	132	
	alpha-Chlordane	18.35	0	19.2	ug/kg	105				30	192	
	gamma-Chlordane	18.35	0	20.2	ug/kg	110				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B **DataFile :** PL092901.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**JC-701-COMP-01MSD**											
P4720-01MSD	alpha-BHC	18.37	0	16.7	ug/kg	91		2		60	144	20
	beta-BHC	18.37	0	19.6	ug/kg	107		3		54	143	20
	delta-BHC	18.37	0	4.60	ug/kg	25	*	0		47	144	20
	gamma-BHC (Lindane)	18.37	0	17.1	ug/kg	93		2		61	140	20
	Heptachlor	18.37	0	19.7	ug/kg	107		2		63	135	20
	Aldrin	18.37	0	18.8	ug/kg	102		2		49	139	20
	Heptachlor epoxide	18.37	0	19.0	ug/kg	103		2		32	180	20
	Endosulfan I	18.37	0	18.1	ug/kg	99		1		56	142	20
	Dieldrin	18.37	0	21.4	ug/kg	116		3		47	161	20
	4,4'-DDE	18.37	7.3	26.2	ug/kg	103		3		55	136	20
	Endrin	18.37	0	22.0	ug/kg	120		2		57	139	20
	Endosulfan II	18.37	0	20.5	ug/kg	112		3		40	163	20
	4,4'-DDD	18.37	0	20.5	ug/kg	112		1		37	192	20
	Endosulfan sulfate	18.37	0	16.1	ug/kg	88		2		62	139	20
	4,4'-DDT	18.37	14.8	32.5	ug/kg	96		3		51	146	20
	Methoxychlor	18.37	0	19.4	ug/kg	106		7		54	136	20
	Endrin ketone	18.37	0	18.5	ug/kg	101		3		60	129	20
	Endrin aldehyde	18.37	0	18.8	ug/kg	102		1		59	132	20
	alpha-Chlordane	18.37	0	19.7	ug/kg	107		2		30	192	20
	gamma-Chlordane	18.37	0	20.8	ug/kg	113		3		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B **Datafile :** PL092898.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164749BS	alpha-BHC	16.66	16.1	ug/kg	97				84	123	
	beta-BHC	16.66	16.7	ug/kg	100				82	123	
	delta-BHC	16.66	14.3	ug/kg	86				83	126	
	gamma-BHC (Lindane)	16.66	16.0	ug/kg	96				83	125	
	Heptachlor	16.66	17.0	ug/kg	102				83	122	
	Aldrin	16.66	16.3	ug/kg	98				82	124	
	Heptachlor epoxide	16.66	16.7	ug/kg	100				83	120	
	Endosulfan I	16.66	17.1	ug/kg	103				81	124	
	Dieldrin	16.66	17.2	ug/kg	103				85	121	
	4,4'-DDE	16.66	17.2	ug/kg	103				81	123	
	Endrin	16.66	17.8	ug/kg	107				76	130	
	Endosulfan II	16.66	17.7	ug/kg	106				80	125	
	4,4'-DDD	16.66	17.7	ug/kg	106				80	131	
	Endosulfan sulfate	16.66	17.1	ug/kg	103				81	122	
	4,4'-DDT	16.66	17.7	ug/kg	106				70	129	
	Methoxychlor	16.66	17.1	ug/kg	103				60	119	
	Endrin ketone	16.66	17.3	ug/kg	104				77	132	
	Endrin aldehyde	16.66	16.7	ug/kg	100				79	124	
	alpha-Chlordane	16.66	17.1	ug/kg	103				84	120	
	gamma-Chlordane	16.66	17.2	ug/kg	103				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164749BL

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab Sample ID: PB164749BL Lab File ID: PL092897.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 11/07/2024

Date Analyzed (1): 11/07/2024 Date Analyzed (2): 11/07/2024

Time Analyzed (1): 13:52 Time Analyzed (2): 13:52

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column (1): ZB-MR2 ID: 0.32 (mm) GC Column (2): ZB-MR1 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
PB164749BS	PB164749BS	PL092898.D	11/07/2024	11/07/2024
JC-701-COMP-01MS	P4720-01MS	PL092900.D	11/07/2024	11/07/2024
JC-701-COMP-01MSD	P4720-01MSD	PL092901.D	11/07/2024	11/07/2024
WC-2(0-6)	P4722-08	PL092905.D	11/07/2024	11/07/2024
WC-1(0-6)	P4722-03	PL092913.D	11/07/2024	11/07/2024
WC-3(0-6)	P4722-13	PL092914.D	11/07/2024	11/07/2024

COMMENTS:

QC SAMPLE DATA

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164749BL	SDG No.:	P4722
Lab Sample ID:	PB164749BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092897.D	1	11/07/24 08:40	11/07/24 13:52	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.18	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	0.49	U	0.49	1.70	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	1.70	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	1.70	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	1.70	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	0.13	U	0.13	1.70	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	0.30	U	0.30	1.70	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	1.70	ug/kg
72-43-5	Methoxychlor	0.38	U	0.38	1.70	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.17	U	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.4		10 - 148	112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		10 - 159	104%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164749BL	SDG No.:	P4722
Lab Sample ID:	PB164749BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092897.D	1	11/07/24 08:40	11/07/24 13:52	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	10/28/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	10/28/24
Client Sample ID:	PIBLK-PL092652.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092652.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092652.D	1		10/28/24	PL102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.7		43 - 140	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		77 - 126	108%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	10/28/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	10/28/24
Client Sample ID:	PIBLK-PL092652.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092652.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092652.D	1		10/28/24	PL102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PIBLK-PL092886.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092886.D	Matrix:	water
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092886.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.5		43 - 140	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		77 - 126	102%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PIBLK-PL092886.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092886.D	Matrix:	water
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092886.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PIBLK-PL092903.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092903.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092903.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.5		43 - 140	92%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		77 - 126	103%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PIBLK-PL092903.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092903.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092903.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PIBLK-PL092911.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092911.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092911.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.1		43 - 140	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		77 - 126	100%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PIBLK-PL092911.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092911.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092911.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PIBLK-PL092915.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092915.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092915.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.3		43 - 140	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		77 - 126	103%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PIBLK-PL092915.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092915.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092915.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164749BS	SDG No.:	P4722
Lab Sample ID:	PB164749BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092898.D	1	11/07/24 08:40	11/07/24 14:06	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.1		0.18	1.70	ug/kg
319-85-7	beta-BHC	16.7		0.49	1.70	ug/kg
319-86-8	delta-BHC	14.3		0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.0		0.19	1.70	ug/kg
76-44-8	Heptachlor	17.0		0.17	1.70	ug/kg
309-00-2	Aldrin	16.3		0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	16.7		0.23	1.70	ug/kg
959-98-8	Endosulfan I	17.1		0.17	1.70	ug/kg
60-57-1	Dieldrin	17.2		0.15	1.70	ug/kg
72-55-9	4,4-DDE	17.2		0.13	1.70	ug/kg
72-20-8	Endrin	17.8		0.16	1.70	ug/kg
33213-65-9	Endosulfan II	17.7		0.30	1.70	ug/kg
72-54-8	4,4-DDD	17.7		0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	17.1		0.13	1.70	ug/kg
50-29-3	4,4-DDT	17.7		0.17	1.70	ug/kg
72-43-5	Methoxychlor	17.1		0.38	1.70	ug/kg
53494-70-5	Endrin ketone	17.3		0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.7		0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	17.1		0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	17.2		0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		10 - 148	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.2		10 - 159	91%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164749BS	SDG No.:	P4722
Lab Sample ID:	PB164749BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092898.D	1	11/07/24 08:40	11/07/24 14:06	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	JC-701-COMP-01MS	SDG No.:	P4722
Lab Sample ID:	P4720-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.6 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092900.D	1	11/07/24 08:40	11/07/24 14:34	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.4		0.20	1.90	ug/kg
319-85-7	beta-BHC	19.0		0.54	1.90	ug/kg
319-86-8	delta-BHC	4.60		0.52	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	16.7		0.21	1.90	ug/kg
76-44-8	Heptachlor	19.3		0.19	1.90	ug/kg
309-00-2	Aldrin	18.3		0.15	1.90	ug/kg
1024-57-3	Heptachlor epoxide	18.6		0.25	1.90	ug/kg
959-98-8	Endosulfan I	17.9		0.19	1.90	ug/kg
60-57-1	Dieldrin	20.8		0.17	1.90	ug/kg
72-55-9	4,4-DDE	25.7		0.14	1.90	ug/kg
72-20-8	Endrin	21.7		0.18	1.90	ug/kg
33213-65-9	Endosulfan II	20.0		0.33	1.90	ug/kg
72-54-8	4,4-DDD	20.3		0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	15.7		0.14	1.90	ug/kg
50-29-3	4,4-DDT	31.9		0.19	1.90	ug/kg
72-43-5	Methoxychlor	18.1		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	18.0		0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	18.5		0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	19.2		0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	20.2		0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	36.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.3		10 - 148	72%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.1		10 - 159	75%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	JC-701-COMP-01MS	SDG No.:	P4722
Lab Sample ID:	P4720-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.6 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092900.D	1	11/07/24 08:40	11/07/24 14:34	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	JC-701-COMP-01MSD	SDG No.:	P4722
Lab Sample ID:	P4720-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.6 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092901.D	1	11/07/24 08:40	11/07/24 14:47	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.7		0.20	1.90	ug/kg
319-85-7	beta-BHC	19.6		0.54	1.90	ug/kg
319-86-8	delta-BHC	4.60		0.52	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	17.1		0.21	1.90	ug/kg
76-44-8	Heptachlor	19.7		0.19	1.90	ug/kg
309-00-2	Aldrin	18.8		0.15	1.90	ug/kg
1024-57-3	Heptachlor epoxide	19.0		0.25	1.90	ug/kg
959-98-8	Endosulfan I	18.1		0.19	1.90	ug/kg
60-57-1	Dieldrin	21.4		0.17	1.90	ug/kg
72-55-9	4,4-DDE	26.2		0.14	1.90	ug/kg
72-20-8	Endrin	22.0		0.18	1.90	ug/kg
33213-65-9	Endosulfan II	20.5		0.33	1.90	ug/kg
72-54-8	4,4-DDD	20.5		0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	16.1		0.14	1.90	ug/kg
50-29-3	4,4-DDT	32.5		0.19	1.90	ug/kg
72-43-5	Methoxychlor	19.4		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	18.5		0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	18.8		0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	19.7		0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	20.8		0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	36.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.4		10 - 148	72%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.2		10 - 159	76%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	JC-701-COMP-01MSD	SDG No.:	P4722
Lab Sample ID:	P4720-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.6 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092901.D	1	11/07/24 08:40	11/07/24 14:47	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

CALIBRATION SUMMARY

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

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: RT 100 = PL092655.D RT 075 = PL092656.D

RT 050 = PL092657.D RT 025 = PL092658.D RT 005 = PL092659.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
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	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Decachlorobiphenyl	9.05	9.05	9.05	9.05	9.05	9.05	8.95	9.15
delta-BHC	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Dieldrin	6.35	6.35	6.35	6.35	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	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.58	6.58	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02
Endrin ketone	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
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	5.69	5.68	5.68	5.58	5.78
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: RT 100 = PL092655.D RT 075 = PL092656.D

RT 050 = PL092657.D RT 025 = PL092658.D RT 005 = PL092659.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
4,4'-DDE	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
4,4'-DDT	6.04	6.04	6.04	6.04	6.04	6.04	5.94	6.14
Aldrin	4.23	4.23	4.23	4.23	4.23	4.23	4.13	4.33
alpha-BHC	3.28	3.28	3.28	3.28	3.28	3.28	3.18	3.38
alpha-Chlordane	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
beta-BHC	3.91	3.91	3.91	3.91	3.91	3.91	3.81	4.01
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
delta-BHC	4.14	4.14	4.14	4.14	4.14	4.14	4.04	4.24
Dieldrin	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Endosulfan I	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Endosulfan II	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Endosulfan sulfate	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endrin	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Endrin aldehyde	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Endrin ketone	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
gamma-BHC (Lindane)	3.61	3.61	3.61	3.61	3.61	3.61	3.51	3.71
gamma-Chlordane	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Heptachlor	3.95	3.95	3.95	3.95	3.95	3.95	3.85	4.05
Heptachlor epoxide	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Methoxychlor	6.61	6.62	6.62	6.62	6.61	6.61	6.51	6.71
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

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: **CF 100 =** PL092655.D **CF 075 =** PL092656.D

CF 050 = PL092657.D **CF 025 =** PL092658.D **CF 005 =** PL092659.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1810270000	1801980000	1817980000	1967770000	2199620000	1919520000	9
4,4'-DDE	2254070000	2226390000	2230050000	2402470000	2732960000	2369190000	9
4,4'-DDT	1948940000	1933390000	1940720000	2113460000	2412250000	2069750000	10
Aldrin	2847480000	2802990000	2807290000	3047230000	3502400000	3001480000	10
alpha-BHC	3356530000	3271880000	3230400000	3397090000	3701950000	3391570000	5
alpha-Chlordane	2486640000	2469090000	2489960000	2701720000	3093310000	2648140000	10
beta-BHC	1343260000	1339050000	1368530000	1491800000	1684660000	1445460000	10
Decachlorobiphenyl	1738840000	1756630000	1819720000	1998760000	2308800000	1924550000	12
delta-BHC	3067660000	2980040000	2949010000	3119670000	3533000000	3129870000	8
Dieldrin	2486930000	2456960000	2476030000	2679410000	3078050000	2635480000	10
Endosulfan I	2320690000	2313950000	2348370000	2546170000	2977620000	2501360000	11
Endosulfan II	2159880000	2160930000	2205230000	2449960000	2943170000	2383830000	14
Endosulfan sulfate	1974140000	1979440000	2024740000	2239840000	2633550000	2170340000	13
Endrin	2111540000	2103000000	2121260000	2324460000	2723040000	2276660000	12
Endrin aldehyde	1712300000	1718280000	1758160000	1955910000	2245210000	1877970000	12
Endrin ketone	2253830000	2246660000	2273910000	2471090000	2868570000	2422810000	11
gamma-BHC (Lindane)	3198960000	3133030000	3104430000	3278360000	3583040000	3259560000	6
gamma-Chlordane	2496700000	2477960000	2491940000	2703470000	3133120000	2660640000	11
Heptachlor	2817300000	2795570000	2829220000	3064000000	3509480000	3003110000	10
Heptachlor epoxide	2536240000	2521530000	2566410000	2821600000	3361270000	2761410000	13
Methoxychlor	1040530000	1050870000	1078280000	1189160000	1341160000	1140000000	11
Tetrachloro-m-xylene	2319350000	2304070000	2328420000	2512350000	2786990000	2450240000	8

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: **CF 100 =** PL092655.D **CF 075 =** PL092656.D

CF 050 = PL092657.D **CF 025 =** PL092658.D **CF 005 =** PL092659.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2614880000	2506250000	2443430000	2489210000	2396540000	2490060000	3
4,4'-DDE	3334990000	3225880000	3154950000	3209960000	3182260000	3221610000	2
4,4'-DDT	2797500000	2713050000	2637310000	2653690000	2609750000	2682260000	3
Aldrin	3840860000	3705070000	3619180000	3619340000	3516600000	3660210000	3
alpha-BHC	4282500000	4089170000	3973860000	3934480000	3670850000	3990170000	6
alpha-Chlordane	3409310000	3303380000	3254510000	3329310000	3333630000	3326030000	2
beta-BHC	1625150000	1594840000	1591160000	1661990000	1758110000	1646250000	4
Decachlorobiphenyl	2606810000	2575500000	2605540000	2793460000	3064890000	2729240000	8
delta-BHC	4088000000	3924730000	3802680000	3782230000	3618150000	3843150000	5
Dieldrin	3483370000	3364390000	3290100000	3303460000	3260200000	3340300000	3
Endosulfan I	3111480000	3032780000	2993580000	3072340000	3055530000	3053140000	1
Endosulfan II	2881520000	2813750000	2779930000	2861240000	2829950000	2833280000	1
Endosulfan sulfate	2707530000	2646200000	2623690000	2712350000	2794620000	2696880000	2
Endrin	2969490000	2878380000	2828080000	2876210000	2912860000	2893010000	2
Endrin aldehyde	2273700000	2244250000	2230130000	2333460000	2454860000	2307280000	4
Endrin ketone	3089790000	3023040000	3013060000	3097240000	3120850000	3068800000	2
gamma-BHC (Lindane)	4083950000	3934430000	3833920000	3828430000	3616530000	3859450000	4
gamma-Chlordane	3470230000	3355710000	3294030000	3342020000	3346470000	3361690000	2
Heptachlor	3876200000	3766580000	3709120000	3779090000	3738650000	3773930000	2
Heptachlor epoxide	3405420000	3318630000	3272090000	3352830000	3358060000	3341410000	1
Methoxychlor	1400820000	1385450000	1393920000	1470360000	1489590000	1428030000	3
Tetrachloro-m-xylene	2724750000	2661560000	2643180000	2728430000	2847900000	2721160000	3

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_L **Date(s) Analyzed:** 10/28/2024 10/28/2024

GC Column: ZB-MR2 **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	23962400
		2	6.44	6.34	6.54	13823600
		3	7.06	6.96	7.16	79159800
		4	7.15	7.05	7.25	59803700
		5	7.93	7.83	8.03	45329200

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_L **Date(s) Analyzed:** 10/28/2024 10/28/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.01	4.91	5.11	19952700
		2	5.33	5.23	5.43	19749600
		3	6.61	6.51	6.71	70222500
		4	6.73	6.63	6.83	98337700
		5	7.05	6.95	7.15	65479700

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 11:21 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
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	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
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

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 11:21 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.01
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/07/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092888.D **Time Analyzed:** 11:21

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.713	6.610	6.810	49.380	50.000	-1.2
4,4'-DDE	6.195	6.093	6.293	46.780	50.000	-6.4
4,4'-DDT	7.026	6.923	7.123	46.720	50.000	-6.6
Aldrin	5.261	5.158	5.358	47.470	50.000	-5.1
alpha-BHC	3.998	3.896	4.096	48.980	50.000	-2.0
alpha-Chlordane	6.022	5.919	6.119	46.630	50.000	-6.7
beta-BHC	4.528	4.425	4.625	48.580	50.000	-2.8
Decachlorobiphenyl	9.059	8.954	9.154	46.020	50.000	-8.0
delta-BHC	4.775	4.672	4.872	48.390	50.000	-3.2
Dieldrin	6.347	6.245	6.445	45.990	50.000	-8.0
Endosulfan I	6.072	5.970	6.170	46.130	50.000	-7.7
Endosulfan II	6.797	6.694	6.894	44.890	50.000	-10.2
Endosulfan sulfate	7.161	7.058	7.258	45.940	50.000	-8.1
Endrin	6.577	6.474	6.674	45.550	50.000	-8.9
Endrin aldehyde	6.927	6.824	7.024	47.550	50.000	-4.9
Endrin ketone	7.647	7.543	7.743	45.940	50.000	-8.1
gamma-BHC (Lindane)	4.330	4.228	4.428	48.790	50.000	-2.4
gamma-Chlordane	5.943	5.841	6.041	46.570	50.000	-6.9
Heptachlor	4.919	4.817	5.017	47.760	50.000	-4.5
Heptachlor epoxide	5.686	5.584	5.784	47.690	50.000	-4.6
Methoxychlor	7.502	7.399	7.599	47.810	50.000	-4.4
Tetrachloro-m-xylene	3.542	3.440	3.640	48.470	50.000	-3.1

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/07/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092888.D **Time Analyzed:** 11:21

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.790	5.689	5.889	52.090	50.000	4.2
4,4'-DDE	5.235	5.135	5.335	50.820	50.000	1.6
4,4'-DDT	6.040	5.940	6.140	50.770	50.000	1.5
Aldrin	4.230	4.129	4.329	50.690	50.000	1.4
alpha-BHC	3.281	3.181	3.381	50.710	50.000	1.4
alpha-Chlordane	5.046	4.945	5.145	49.960	50.000	-0.1
beta-BHC	3.911	3.810	4.010	49.800	50.000	-0.4
Decachlorobiphenyl	7.917	7.816	8.016	46.840	50.000	-6.3
delta-BHC	4.140	4.039	4.239	51.070	50.000	2.1
Dieldrin	5.367	5.266	5.466	50.630	50.000	1.3
Endosulfan I	5.102	5.002	5.202	48.660	50.000	-2.7
Endosulfan II	5.936	5.836	6.036	51.680	50.000	3.4
Endosulfan sulfate	6.339	6.238	6.438	50.070	50.000	0.1
Endrin	5.642	5.541	5.741	51.530	50.000	3.1
Endrin aldehyde	6.116	6.015	6.215	49.630	50.000	-0.7
Endrin ketone	6.844	6.743	6.943	48.910	50.000	-2.2
gamma-BHC (Lindane)	3.611	3.511	3.711	50.380	50.000	0.8
gamma-Chlordane	4.982	4.882	5.082	50.080	50.000	0.2
Heptachlor	3.950	3.849	4.049	50.240	50.000	0.5
Heptachlor epoxide	4.732	4.632	4.832	50.240	50.000	0.5
Methoxychlor	6.615	6.515	6.715	49.970	50.000	-0.1
Tetrachloro-m-xylene	2.778	2.678	2.878	49.610	50.000	-0.8

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 15:29 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
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

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 15:29 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/07/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092904.D **Time Analyzed:** 15:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.713	6.610	6.810	46.380	50.000	-7.2
4,4'-DDE	6.194	6.093	6.293	45.140	50.000	-9.7
4,4'-DDT	7.027	6.923	7.123	42.890	50.000	-14.2
Aldrin	5.259	5.158	5.358	45.730	50.000	-8.5
alpha-BHC	3.998	3.896	4.096	47.690	50.000	-4.6
alpha-Chlordane	6.022	5.919	6.119	45.000	50.000	-10.0
beta-BHC	4.528	4.425	4.625	47.930	50.000	-4.1
Decachlorobiphenyl	9.059	8.954	9.154	45.750	50.000	-8.5
delta-BHC	4.774	4.672	4.872	47.810	50.000	-4.4
Dieldrin	6.347	6.245	6.445	44.400	50.000	-11.2
Endosulfan I	6.072	5.970	6.170	44.450	50.000	-11.1
Endosulfan II	6.797	6.694	6.894	42.390	50.000	-15.2
Endosulfan sulfate	7.161	7.058	7.258	43.220	50.000	-13.6
Endrin	6.577	6.474	6.674	42.920	50.000	-14.2
Endrin aldehyde	6.927	6.824	7.024	44.140	50.000	-11.7
Endrin ketone	7.646	7.543	7.743	43.210	50.000	-13.6
gamma-BHC (Lindane)	4.330	4.228	4.428	48.200	50.000	-3.6
gamma-Chlordane	5.943	5.841	6.041	45.360	50.000	-9.3
Heptachlor	4.919	4.817	5.017	46.410	50.000	-7.2
Heptachlor epoxide	5.687	5.584	5.784	45.780	50.000	-8.4
Methoxychlor	7.503	7.399	7.599	43.270	50.000	-13.5
Tetrachloro-m-xylene	3.542	3.440	3.640	47.550	50.000	-4.9

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

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/07/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092904.D **Time Analyzed:** 15:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.790	5.689	5.889	49.190	50.000	-1.6
4,4'-DDE	5.235	5.135	5.335	50.300	50.000	0.6
4,4'-DDT	6.041	5.940	6.140	44.020	50.000	-12.0
Aldrin	4.230	4.129	4.329	50.680	50.000	1.4
alpha-BHC	3.281	3.181	3.381	51.060	50.000	2.1
alpha-Chlordane	5.046	4.945	5.145	48.510	50.000	-3.0
beta-BHC	3.911	3.810	4.010	49.650	50.000	-0.7
Decachlorobiphenyl	7.917	7.816	8.016	40.370	50.000	-19.3
delta-BHC	4.140	4.039	4.239	51.370	50.000	2.7
Dieldrin	5.367	5.266	5.466	48.730	50.000	-2.5
Endosulfan I	5.102	5.002	5.202	47.480	50.000	-5.0
Endosulfan II	5.937	5.836	6.036	47.060	50.000	-5.9
Endosulfan sulfate	6.339	6.238	6.438	46.300	50.000	-7.4
Endrin	5.642	5.541	5.741	46.330	50.000	-7.3
Endrin aldehyde	6.116	6.015	6.215	44.110	50.000	-11.8
Endrin ketone	6.845	6.743	6.943	43.580	50.000	-12.8
gamma-BHC (Lindane)	3.611	3.511	3.711	49.880	50.000	-0.2
gamma-Chlordane	4.983	4.882	5.082	48.040	50.000	-3.9
Heptachlor	3.950	3.849	4.049	49.860	50.000	-0.3
Heptachlor epoxide	4.732	4.632	4.832	47.410	50.000	-5.2
Methoxychlor	6.616	6.515	6.715	44.210	50.000	-11.6
Tetrachloro-m-xylene	2.778	2.678	2.878	50.400	50.000	0.8

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 17:41 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
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	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
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

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 17:41 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.01
Endrin ketone	6.85	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL03 **Date Analyzed:** 11/07/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092912.D **Time Analyzed:** 17:41

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.712	6.610	6.810	47.210	50.000	-5.6
4,4'-DDE	6.195	6.093	6.293	45.000	50.000	-10.0
4,4'-DDT	7.025	6.923	7.123	43.020	50.000	-14.0
Aldrin	5.259	5.158	5.358	45.590	50.000	-8.8
alpha-BHC	3.998	3.896	4.096	48.270	50.000	-3.5
alpha-Chlordane	6.021	5.919	6.119	44.800	50.000	-10.4
beta-BHC	4.528	4.425	4.625	47.790	50.000	-4.4
Decachlorobiphenyl	9.058	8.954	9.154	44.670	50.000	-10.7
delta-BHC	4.775	4.672	4.872	47.530	50.000	-4.9
Dieldrin	6.347	6.245	6.445	44.420	50.000	-11.2
Endosulfan I	6.072	5.970	6.170	44.500	50.000	-11.0
Endosulfan II	6.796	6.694	6.894	42.710	50.000	-14.6
Endosulfan sulfate	7.161	7.058	7.258	43.250	50.000	-13.5
Endrin	6.576	6.474	6.674	43.250	50.000	-13.5
Endrin aldehyde	6.926	6.824	7.024	43.230	50.000	-13.5
Endrin ketone	7.646	7.543	7.743	43.280	50.000	-13.4
gamma-BHC (Lindane)	4.330	4.228	4.428	48.250	50.000	-3.5
gamma-Chlordane	5.942	5.841	6.041	45.330	50.000	-9.3
Heptachlor	4.918	4.817	5.017	46.270	50.000	-7.5
Heptachlor epoxide	5.685	5.584	5.784	45.430	50.000	-9.1
Methoxychlor	7.502	7.399	7.599	43.320	50.000	-13.4
Tetrachloro-m-xylene	3.542	3.440	3.640	48.110	50.000	-3.8

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL03 **Date Analyzed:** 11/07/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092912.D **Time Analyzed:** 17:41

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.790	5.689	5.889	51.020	50.000	2.0
4,4'-DDE	5.235	5.135	5.335	50.380	50.000	0.8
4,4'-DDT	6.041	5.940	6.140	45.260	50.000	-9.5
Aldrin	4.229	4.129	4.329	51.110	50.000	2.2
alpha-BHC	3.281	3.181	3.381	51.580	50.000	3.2
alpha-Chlordane	5.046	4.945	5.145	49.410	50.000	-1.2
beta-BHC	3.911	3.810	4.010	50.540	50.000	1.1
Decachlorobiphenyl	7.917	7.816	8.016	41.590	50.000	-16.8
delta-BHC	4.139	4.039	4.239	51.690	50.000	3.4
Dieldrin	5.366	5.266	5.466	48.970	50.000	-2.1
Endosulfan I	5.102	5.002	5.202	47.480	50.000	-5.0
Endosulfan II	5.937	5.836	6.036	47.730	50.000	-4.5
Endosulfan sulfate	6.339	6.238	6.438	46.530	50.000	-6.9
Endrin	5.642	5.541	5.741	48.020	50.000	-4.0
Endrin aldehyde	6.116	6.015	6.215	45.950	50.000	-8.1
Endrin ketone	6.845	6.743	6.943	45.130	50.000	-9.7
gamma-BHC (Lindane)	3.611	3.511	3.711	50.980	50.000	2.0
gamma-Chlordane	4.982	4.882	5.082	49.210	50.000	-1.6
Heptachlor	3.950	3.849	4.049	50.550	50.000	1.1
Heptachlor epoxide	4.732	4.632	4.832	49.550	50.000	-0.9
Methoxychlor	6.615	6.515	6.715	44.500	50.000	-11.0
Tetrachloro-m-xylene	2.778	2.678	2.878	50.440	50.000	0.9

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 18:51 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	0.00
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
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

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 18:51 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.01
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL04 **Date Analyzed:** 11/07/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092916.D **Time Analyzed:** 18:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.712	6.610	6.810	47.100	50.000	-5.8
4,4'-DDE	6.194	6.093	6.293	45.860	50.000	-8.3
4,4'-DDT	7.026	6.923	7.123	43.250	50.000	-13.5
Aldrin	5.259	5.158	5.358	46.420	50.000	-7.2
alpha-BHC	3.998	3.896	4.096	48.340	50.000	-3.3
alpha-Chlordane	6.021	5.919	6.119	45.360	50.000	-9.3
beta-BHC	4.528	4.425	4.625	47.410	50.000	-5.2
Decachlorobiphenyl	9.057	8.954	9.154	44.800	50.000	-10.4
delta-BHC	4.775	4.672	4.872	47.740	50.000	-4.5
Dieldrin	6.347	6.245	6.445	45.110	50.000	-9.8
Endosulfan I	6.072	5.970	6.170	45.100	50.000	-9.8
Endosulfan II	6.797	6.694	6.894	44.070	50.000	-11.9
Endosulfan sulfate	7.161	7.058	7.258	43.920	50.000	-12.2
Endrin	6.577	6.474	6.674	43.630	50.000	-12.7
Endrin aldehyde	6.926	6.824	7.024	45.190	50.000	-9.6
Endrin ketone	7.645	7.543	7.743	43.770	50.000	-12.5
gamma-BHC (Lindane)	4.330	4.228	4.428	47.980	50.000	-4.0
gamma-Chlordane	5.942	5.841	6.041	45.440	50.000	-9.1
Heptachlor	4.917	4.817	5.017	46.490	50.000	-7.0
Heptachlor epoxide	5.686	5.584	5.784	45.510	50.000	-9.0
Methoxychlor	7.501	7.399	7.599	44.260	50.000	-11.5
Tetrachloro-m-xylene	3.542	3.440	3.640	47.900	50.000	-4.2

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL04 **Date Analyzed:** 11/07/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092916.D **Time Analyzed:** 18:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.790	5.689	5.889	51.850	50.000	3.7
4,4'-DDE	5.235	5.135	5.335	50.640	50.000	1.3
4,4'-DDT	6.040	5.940	6.140	46.830	50.000	-6.3
Aldrin	4.230	4.129	4.329	50.860	50.000	1.7
alpha-BHC	3.281	3.181	3.381	51.420	50.000	2.8
alpha-Chlordane	5.046	4.945	5.145	50.260	50.000	0.5
beta-BHC	3.910	3.810	4.010	50.530	50.000	1.1
Decachlorobiphenyl	7.917	7.816	8.016	43.460	50.000	-13.1
delta-BHC	4.139	4.039	4.239	51.360	50.000	2.7
Dieldrin	5.366	5.266	5.466	49.910	50.000	-0.2
Endosulfan I	5.102	5.002	5.202	47.240	50.000	-5.5
Endosulfan II	5.937	5.836	6.036	49.040	50.000	-1.9
Endosulfan sulfate	6.338	6.238	6.438	47.640	50.000	-4.7
Endrin	5.642	5.541	5.741	50.320	50.000	0.6
Endrin aldehyde	6.116	6.015	6.215	47.690	50.000	-4.6
Endrin ketone	6.844	6.743	6.943	47.930	50.000	-4.1
gamma-BHC (Lindane)	3.611	3.511	3.711	51.220	50.000	2.4
gamma-Chlordane	4.982	4.882	5.082	50.410	50.000	0.8
Heptachlor	3.950	3.849	4.049	50.110	50.000	0.2
Heptachlor epoxide	4.733	4.632	4.832	50.460	50.000	0.9
Methoxychlor	6.615	6.515	6.715	45.360	50.000	-9.3
Tetrachloro-m-xylene	2.778	2.678	2.878	50.430	50.000	0.9

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D **Date Analyzed:** 10/28/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 14:16

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.059	8.960	9.160	19.970	20.000	-0.2
Tetrachloro-m-xylene	3.546	3.500	3.600	19.290	20.000	-3.6
alpha-BHC	4.001	3.950	4.050	9.920	10.000	-0.8
beta-BHC	4.531	4.480	4.580	10.060	10.000	0.6
gamma-BHC (Lindane)	4.334	4.280	4.380	9.660	10.000	-3.4
Endrin	6.580	6.510	6.650	41.060	50.000	-17.9
4,4'-DDT	7.030	6.960	7.100	88.060	100.000	-11.9
Methoxychlor	7.505	7.430	7.580	204.090	250.000	-18.4

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D **Date Analyzed:** 10/28/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 14:16

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.820	8.020	19.080	20.000	-4.6
Tetrachloro-m-xylene	2.778	2.730	2.830	18.500	20.000	-7.5
alpha-BHC	3.281	3.230	3.330	8.630	10.000	-13.7
beta-BHC	3.911	3.860	3.960	9.760	10.000	-2.4
gamma-BHC (Lindane)	3.611	3.560	3.660	8.390	10.000	-16.1
Endrin	5.643	5.570	5.710	44.130	50.000	-11.7
4,4'-DDT	6.042	5.970	6.110	98.070	100.000	-1.9
Methoxychlor	6.616	6.550	6.690	225.800	250.000	-9.7

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092887.D **Date Analyzed:** 11/07/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:08

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.057	8.960	9.160	21.710	20.000	8.6
Tetrachloro-m-xylene	3.542	3.490	3.590	22.260	20.000	11.3
alpha-BHC	3.997	3.950	4.050	11.600	10.000	16.0
beta-BHC	4.528	4.480	4.580	11.980	10.000	19.8
gamma-BHC (Lindane)	4.330	4.280	4.380	11.340	10.000	13.4
Endrin	6.577	6.510	6.650	45.790	50.000	-8.4
4,4'-DDT	7.027	6.960	7.100	97.140	100.000	-2.9
Methoxychlor	7.502	7.430	7.570	224.260	250.000	-10.3

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092887.D **Date Analyzed:** 11/07/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:08

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.917	7.820	8.020	20.800	20.000	4.0
Tetrachloro-m-xylene	2.778	2.730	2.830	21.690	20.000	8.5
alpha-BHC	3.280	3.230	3.330	10.310	10.000	3.1
beta-BHC	3.910	3.860	3.960	11.590	10.000	15.9
gamma-BHC (Lindane)	3.610	3.560	3.660	10.020	10.000	0.2
Endrin	5.642	5.570	5.710	52.890	50.000	5.8
4,4'-DDT	6.040	5.970	6.110	114.780	100.000	14.8
Methoxychlor	6.616	6.550	6.690	254.450	250.000	1.8

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Analytical Sequence

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Sta **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/28/2024 10/28/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/28/2024	13:55	PL092652.D	9.05	3.54
PEM	PEM	10/28/2024	14:16	PL092653.D	9.06	3.55
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	9.05	3.54
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	9.05	3.54
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	9.05	3.54
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	9.05	3.54
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	9.05	3.54
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	9.05	3.54
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	9.06	3.54
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	9.05	3.54
I.BLK	I.BLK	11/07/2024	09:34	PL092886.D	9.06	3.54
PEM	PEM	11/07/2024	11:08	PL092887.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/07/2024	11:21	PL092888.D	9.06	3.54
PB164749BL	PB164749BL	11/07/2024	13:52	PL092897.D	9.06	3.54
PB164749BS	PB164749BS	11/07/2024	14:06	PL092898.D	9.06	3.54
JC-701-COMP-01MS	P4720-01MS	11/07/2024	14:34	PL092900.D	9.06	3.54
JC-701-COMP-01MSD	P4720-01MSD	11/07/2024	14:47	PL092901.D	9.06	3.54
I.BLK	I.BLK	11/07/2024	15:15	PL092903.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/07/2024	15:29	PL092904.D	9.06	3.54
WC-2(0-6)	P4722-08	11/07/2024	16:04	PL092905.D	9.07	3.55
I.BLK	I.BLK	11/07/2024	17:27	PL092911.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/07/2024	17:41	PL092912.D	9.06	3.54
WC-1(0-6)	P4722-03	11/07/2024	17:55	PL092913.D	9.06	3.54
WC-3(0-6)	P4722-13	11/07/2024	18:09	PL092914.D	9.06	3.54
I.BLK	I.BLK	11/07/2024	18:37	PL092915.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/07/2024	18:51	PL092916.D	9.06	3.54

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Analytical Sequence

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Sta **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/28/2024 10/28/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/28/2024	13:55	PL092652.D	7.92	2.78
PEM	PEM	10/28/2024	14:16	PL092653.D	7.92	2.78
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	7.92	2.78
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	7.92	2.78
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	7.92	2.78
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	7.92	2.78
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	7.92	2.78
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	7.92	2.78
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	7.92	2.78
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	7.92	2.78
I.BLK	I.BLK	11/07/2024	09:34	PL092886.D	7.92	2.78
PEM	PEM	11/07/2024	11:08	PL092887.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/07/2024	11:21	PL092888.D	7.92	2.78
PB164749BL	PB164749BL	11/07/2024	13:52	PL092897.D	7.92	2.78
PB164749BS	PB164749BS	11/07/2024	14:06	PL092898.D	7.92	2.78
JC-701-COMP-01MS	P4720-01MS	11/07/2024	14:34	PL092900.D	7.92	2.78
JC-701-COMP-01MSD	P4720-01MSD	11/07/2024	14:47	PL092901.D	7.92	2.78
I.BLK	I.BLK	11/07/2024	15:15	PL092903.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/07/2024	15:29	PL092904.D	7.92	2.78
WC-2(0-6)	P4722-08	11/07/2024	16:04	PL092905.D	7.92	2.78
I.BLK	I.BLK	11/07/2024	17:27	PL092911.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/07/2024	17:41	PL092912.D	7.92	2.78
WC-1(0-6)	P4722-03	11/07/2024	17:55	PL092913.D	7.92	2.78
WC-3(0-6)	P4722-13	11/07/2024	18:09	PL092914.D	7.92	2.78
I.BLK	I.BLK	11/07/2024	18:37	PL092915.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/07/2024	18:51	PL092916.D	7.92	2.78

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
JC-701-COMP-01MS

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4720-01MS **Date(s) Analyzed:** 11/07/2024 11/07/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.80	6.75	6.85	17.3	14.5
	2	5.94	5.89	5.99	20.0	
4,4'-DDD	1	6.71	6.66	6.76	20.3	9.3
	2	5.79	5.74	5.84	18.5	
4,4'-DDT	1	7.03	6.98	7.08	28.6	10.9
	2	6.04	5.99	6.09	31.9	
Endrin aldehyde	1	6.93	6.88	6.98	17.0	8.5
	2	6.12	6.07	6.17	18.5	
Endosulfan sulfate	1	7.16	7.11	7.21	14.2	10
	2	6.34	6.29	6.39	15.7	
Methoxychlor	1	7.50	7.45	7.55	17.2	5.1
	2	6.61	6.56	6.66	18.1	
Endrin ketone	1	7.65	7.60	7.70	18.0	0.6
	2	6.85	6.80	6.90	17.9	
alpha-BHC	1	4.00	3.95	4.05	16.3	0.6
	2	3.28	3.23	3.33	16.4	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.2	3
	2	3.61	3.56	3.66	16.7	
Heptachlor	1	4.92	4.87	4.97	18.2	5.9
	2	3.95	3.90	4.00	19.3	
Aldrin	1	5.26	5.21	5.31	17.4	5
	2	4.23	4.18	4.28	18.3	
beta-BHC	1	4.53	4.48	4.58	17.7	7.1
	2	3.91	3.86	3.96	19.0	
delta-BHC	1	4.77	4.72	4.82	4.60	19
	2	4.14	4.09	4.19	3.80	
Heptachlor epoxide	1	5.69	5.64	5.74	17.9	3.8
	2	4.73	4.68	4.78	18.6	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JC-701-COMP-01MS

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4720-01MS **Date(s) Analyzed:** 11/07/2024 11/07/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	17.9	10
	2	5.10	5.05	5.15	16.2	
gamma-Chlordane	1	5.94	5.89	5.99	19.1	5.6
	2	4.98	4.93	5.03	20.2	
alpha-Chlordane	1	6.02	5.97	6.07	18.2	5.3
	2	5.05	5.00	5.10	19.2	
4,4'-DDE	1	6.20	6.15	6.25	22.6	12.8
	2	5.23	5.18	5.28	25.7	
Dieldrin	1	6.35	6.30	6.40	17.8	15.5
	2	5.37	5.32	5.42	20.8	
Endrin	1	6.58	6.53	6.63	18.5	15.9
	2	5.64	5.59	5.69	21.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JC-701-COMP-01MSD

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4720-01MSD **Date(s) Analyzed:** 11/07/2024 11/07/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	20.5	6.5
	2	5.79	5.74	5.84	19.2	
4,4'-DDT	1	7.03	6.98	7.08	28.8	12.1
	2	6.04	5.99	6.09	32.5	
Aldrin	1	5.26	5.21	5.31	17.6	6.6
	2	4.23	4.18	4.28	18.8	
4,4'-DDE	1	6.19	6.14	6.24	22.8	13.9
	2	5.24	5.19	5.29	26.2	
Endosulfan II	1	6.80	6.75	6.85	17.5	15.8
	2	5.94	5.89	5.99	20.5	
Endrin aldehyde	1	6.93	6.88	6.98	17.0	10.1
	2	6.12	6.07	6.17	18.8	
Endosulfan sulfate	1	7.16	7.11	7.21	14.2	12.5
	2	6.34	6.29	6.39	16.1	
Methoxychlor	1	7.50	7.45	7.55	17.2	12
	2	6.61	6.56	6.66	19.4	
Endrin ketone	1	7.64	7.59	7.69	18.5	3.3
	2	6.84	6.79	6.89	17.9	
alpha-BHC	1	4.00	3.95	4.05	16.5	1.2
	2	3.28	3.23	3.33	16.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.3	4.8
	2	3.61	3.56	3.66	17.1	
Heptachlor	1	4.92	4.87	4.97	18.3	7.4
	2	3.95	3.90	4.00	19.7	
beta-BHC	1	4.53	4.48	4.58	17.9	9.1
	2	3.91	3.86	3.96	19.6	
delta-BHC	1	4.77	4.72	4.82	4.60	16.5
	2	4.14	4.09	4.19	3.90	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JC-701-COMP-01MSD

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4720-01MSD **Date(s) Analyzed:** 11/07/2024 11/07/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Heptachlor epoxide	1	5.69	5.64	5.74	18.0	5.4
	2	4.73	4.68	4.78	19.0	
Endosulfan I	1	6.07	6.02	6.12	18.1	10.5
	2	5.10	5.05	5.15	16.3	
gamma-Chlordane	1	5.94	5.89	5.99	19.2	8
	2	4.98	4.93	5.03	20.8	
alpha-Chlordane	1	6.02	5.97	6.07	18.3	7.4
	2	5.05	5.00	5.10	19.7	
Dieldrin	1	6.35	6.30	6.40	18.0	17.3
	2	5.37	5.32	5.42	21.4	
Endrin	1	6.58	6.53	6.63	18.3	18.4
	2	5.64	5.59	5.69	22.0	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PB164749BS

Contract: WALS01
Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722
Lab Sample ID: PB164749BS **Date(s) Analyzed:** 11/07/2024 11/07/2024
Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L
GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.80	6.75	6.85	15.8	11.3
	2	5.94	5.89	5.99	17.7	
4,4'-DDD	1	6.71	6.66	6.76	16.6	6.4
	2	5.79	5.74	5.84	17.7	
4,4'-DDT	1	7.03	6.98	7.08	16.7	5.8
	2	6.04	5.99	6.09	17.7	
Endrin aldehyde	1	6.93	6.88	6.98	15.7	6.2
	2	6.12	6.07	6.17	16.7	
Endosulfan sulfate	1	7.16	7.11	7.21	15.7	8.5
	2	6.34	6.29	6.39	17.1	
Methoxychlor	1	7.50	7.45	7.55	16.3	4.8
	2	6.62	6.57	6.67	17.1	
Endrin ketone	1	7.65	7.60	7.70	15.8	9.1
	2	6.85	6.80	6.90	17.3	
alpha-BHC	1	4.00	3.95	4.05	15.6	3.2
	2	3.28	3.23	3.33	16.1	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.5	3.2
	2	3.61	3.56	3.66	16.0	
Heptachlor	1	4.92	4.87	4.97	16.1	5.4
	2	3.95	3.90	4.00	17.0	
Aldrin	1	5.26	5.21	5.31	15.3	6.3
	2	4.23	4.18	4.28	16.3	
beta-BHC	1	4.53	4.48	4.58	16.0	4.3
	2	3.91	3.86	3.96	16.7	
delta-BHC	1	4.78	4.73	4.83	14.2	0.7
	2	4.14	4.09	4.19	14.3	
Heptachlor epoxide	1	5.69	5.64	5.74	15.5	7.5
	2	4.73	4.68	4.78	16.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PB164749BS

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: PB164749BS **Date(s) Analyzed:** 11/07/2024 11/07/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	15.9	7.3
	2	5.10	5.05	5.15	17.1	
gamma-Chlordane	1	5.94	5.89	5.99	16.1	6.6
	2	4.98	4.93	5.03	17.2	
alpha-Chlordane	1	6.02	5.97	6.07	16.1	6
	2	5.05	5.00	5.10	17.1	
4,4'-DDE	1	6.20	6.15	6.25	16.3	5.4
	2	5.24	5.19	5.29	17.2	
Dieldrin	1	6.35	6.30	6.40	16.0	7.2
	2	5.37	5.32	5.42	17.2	
Endrin	1	6.58	6.53	6.63	15.9	11.3
	2	5.64	5.59	5.69	17.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-1(0-6)

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4722-03 **Date(s) Analyzed:** 11/07/2024 11/07/2024

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

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **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	1.80	28.6
	2	5.24	5.19	5.29	2.40	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-2(0-6)

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4722-08 **Date(s) Analyzed:** 11/07/2024 11/07/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan sulfate	1	7.15	7.10	7.20	0.80	5.2
	2	6.34	6.29	6.39	0.76	

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LAB CHRONICLE

OrderID:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-03	**WC-1(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Gasoline Range Organics	8015D			11/08/24	
			Herbicide	8151A		11/07/24	11/12/24	
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-03DL	**WC-1(0-6)DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-04	**WC-1(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP Pesticide	8081B		11/10/24	11/11/24	
P4722-05	**WC-1(0-6)**	**WATER**			**11/05/24**			**11/05/24**
			SPLP Pesticide	8081B		11/10/24	11/11/24	
P4722-08	**WC-2(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Gasoline Range Organics	8015D			11/07/24	
			Herbicide	8151A		11/07/24	11/08/24	
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-08DL	**WC-2(0-6)DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-09	**WC-2(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP Pesticide	8081B		11/10/24	11/11/24	
P4722-10	**WC-2(0-6)**	**WATER**			**11/05/24**			**11/05/24**

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LAB CHRONICLE

			SPLP Pesticide	8081B		11/10/24	11/11/24	
P4722-13	**WC-3(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Gasoline Range Organics	8015D			11/08/24	
			Herbicide	8151A		11/07/24	11/12/24	
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-13DL	**WC-3(0-6)DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-14	**WC-3(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP Pesticide	8081B		11/10/24	11/11/24	
P4722-15	**WC-3(0-6)**	**WATER**			**11/05/24**			**11/05/24**
			SPLP Pesticide	8081B		11/10/24	11/11/24	

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Hit Summary Sheet
SW-846

SDG No.: P4722 **Order ID:** P4722

Client: Walsh Construction Company II, LLC **Project ID:** NYCDEP C547A - Shafts 17B-1 & 18B

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-04	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092986.D	1	11/10/24 08:44	11/11/24 23:28	PB164849

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.2		43 - 140	86%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		77 - 126	103%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-09	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092987.D	1	11/10/24 08:44	11/11/24 23:42	PB164849

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.1		43 - 140	90%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.5		77 - 126	97%	SPK: 20

Comments:

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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:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-14	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092988.D	1	11/10/24 08:44	11/11/24 23:56	PB164849

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.0		43 - 140	85%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.2		77 - 126	101%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
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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:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/10/24
Client Sample ID:	PB164694TB	SDG No.:	P4722
Lab Sample ID:	PB164694TB	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092946.D	1	11/10/24 08:44	11/11/24 12:40	PB164849

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.2		43 - 140	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		77 - 126	103%	SPK: 20

Comments:

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

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

QC SUMMARY

Alliance TECHNICAL GROUP
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Surrogate Summary

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL092652.D	PIBLK-PL092652.D	Decachlorobiphenyl	1	20	22.7	114		43	140
		Tetrachloro-m-xylene	1	20	21.6	108		77	126
		Decachlorobiphenyl	2	20	21.7	109		43	140
		Tetrachloro-m-xylene	2	20	20.4	102		77	126
I.BLK-PL092941.D	PIBLK-PL092941.D	Decachlorobiphenyl	1	20	20.8	104		43	140
		Tetrachloro-m-xylene	1	20	22.3	112		77	126
		Decachlorobiphenyl	2	20	19.8	99		43	140
		Tetrachloro-m-xylene	2	20	21.6	108		77	126
PB164849BL	PB164849BL	Decachlorobiphenyl	1	20	21.1	105		43	140
		Tetrachloro-m-xylene	1	20	20.7	104		77	126
		Decachlorobiphenyl	2	20	20.5	103		43	140
		Tetrachloro-m-xylene	2	20	20.1	101		77	126
PB164849BS	PB164849BS	Decachlorobiphenyl	1	20	19.3	96		43	140
		Tetrachloro-m-xylene	1	20	19.1	95		77	126
		Decachlorobiphenyl	2	20	18.9	94		43	140
		Tetrachloro-m-xylene	2	20	17.9	90		77	126
PB164694TB	PB164694TB	Decachlorobiphenyl	1	20	21.2	106		43	140
		Tetrachloro-m-xylene	1	20	20.6	103		77	126
		Decachlorobiphenyl	2	20	20.8	104		43	140
		Tetrachloro-m-xylene	2	20	20.1	101		77	126
I.BLK-PL092959.D	PIBLK-PL092959.D	Decachlorobiphenyl	1	20	22.0	110		43	140
		Tetrachloro-m-xylene	1	20	22.1	110		77	126
		Decachlorobiphenyl	2	20	22.2	111		43	140
		Tetrachloro-m-xylene	2	20	21.5	107		77	126
I.BLK-PL092971.D	PIBLK-PL092971.D	Decachlorobiphenyl	1	20	21.6	108		43	140
		Tetrachloro-m-xylene	1	20	22.7	114		77	126
		Decachlorobiphenyl	2	20	20.6	103		43	140
		Tetrachloro-m-xylene	2	20	21.6	108		77	126
P4718-03MS	WB-307-SB02MS	Decachlorobiphenyl	1	20	14.1	71		43	140
		Tetrachloro-m-xylene	1	20	24.6	123		77	126
		Decachlorobiphenyl	2	20	13.1	66		43	140
		Tetrachloro-m-xylene	2	20	19.3	96		77	126
P4718-03MSD	WB-307-SB02MSD	Decachlorobiphenyl	1	20	14.4	72		43	140
		Tetrachloro-m-xylene	1	20	24.6	123		77	126
		Decachlorobiphenyl	2	20	13.2	66		43	140
		Tetrachloro-m-xylene	2	20	19.3	97		77	126
P4722-04	WC-1(0-6)	Decachlorobiphenyl	1	20	17.2	86		43	140
		Tetrachloro-m-xylene	1	20	20.5	103		77	126
		Decachlorobiphenyl	2	20	15.8	79		43	140
		Tetrachloro-m-xylene	2	20	20.0	100		77	126
P4722-09	WC-2(0-6)	Decachlorobiphenyl	1	20	18.1	90		43	140

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Surrogate Summary

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
P4722-09	WC-2(0-6)	Tetrachloro-m-xylene	1	20	19.5	97		77	126
		Decachlorobiphenyl	2	20	17.0	85		43	140
		Tetrachloro-m-xylene	2	20	18.6	93		77	126
P4722-14	WC-3(0-6)	Decachlorobiphenyl	1	20	17.0	85		43	140
		Tetrachloro-m-xylene	1	20	20.2	101		77	126
		Decachlorobiphenyl	2	20	16.4	82		43	140
		Tetrachloro-m-xylene	2	20	19.9	99		77	126
I.BLK-PL092992.D	PIBLK-PL092992.D	Decachlorobiphenyl	1	20	22.2	111		43	140
		Tetrachloro-m-xylene	1	20	22.8	114		77	126
		Decachlorobiphenyl	2	20	21.8	109		43	140
		Tetrachloro-m-xylene	2	20	22.2	111		77	126

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B **DataFile :** PL092984.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**WB-307-SB02MS**											
P4718-03MS	gamma-BHC (Lindane)	5	0	4.90	ug/L	98				60	152	
	Heptachlor	5	0	5.40	ug/L	108				56	147	
	Heptachlor epoxide	5	0	5.30	ug/L	106				77	143	
	Endrin	5	0	5.20	ug/L	104				76	144	
	Methoxychlor	5	0	4.80	ug/L	96				70	142	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B **DataFile :** PL092985.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**WB-307-SB02MSD**											
P4718-03MSD	gamma-BHC (Lindane)	5	0	4.90	ug/L	98		0		60	152	20
	Heptachlor	5	0	5.50	ug/L	110		2		56	147	20
	Heptachlor epoxide	5	0	5.30	ug/L	106		0		77	143	20
	Endrin	5	0	5.40	ug/L	108		4		76	144	20
	Methoxychlor	5	0	4.80	ug/L	96		0		70	142	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B **Datafile :** PL092945.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164849BS	gamma-BHC (Lindane)	0.5	0.51	ug/L	102				82	129	
	Heptachlor	0.5	0.53	ug/L	106				79	127	
	Heptachlor epoxide	0.5	0.53	ug/L	107				81	124	
	Endrin	0.5	0.53	ug/L	106				81	128	
	Methoxychlor	0.5	0.50	ug/L	100				78	108	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164849BL

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab Sample ID: PB164849BL Lab File ID: PL092944.D

Matrix: (soil/water) water Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 11/10/2024

Date Analyzed (1): 11/11/2024 Date Analyzed (2): 11/11/2024

Time Analyzed (1): 12:12 Time Analyzed (2): 12:12

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column (1): ZB-MR2 ID: 0.32 (mm) GC Column (2): ZB-MR1 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
PB164849BS	PB164849BS	PL092945.D	11/11/2024	11/11/2024
PB164694TB	PB164694TB	PL092946.D	11/11/2024	11/11/2024
WB-307-SB02MS	P4718-03MS	PL092984.D	11/11/2024	11/11/2024
WB-307-SB02MSD	P4718-03MSD	PL092985.D	11/11/2024	11/11/2024
WC-1(0-6)	P4722-04	PL092986.D	11/11/2024	11/11/2024
WC-2(0-6)	P4722-09	PL092987.D	11/11/2024	11/11/2024
WC-3(0-6)	P4722-14	PL092988.D	11/11/2024	11/11/2024

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164849BL	SDG No.:	P4722
Lab Sample ID:	PB164849BL	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092944.D	1	11/10/24 08:44	11/11/24 12:12	PB164849

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.1		43 - 140	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		77 - 126	104%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	10/28/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	10/28/24
Client Sample ID:	PIBLK-PL092652.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092652.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092652.D	1		10/28/24	PL102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.7		43 - 140	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		77 - 126	108%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/11/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/11/24
Client Sample ID:	PIBLK-PL092941.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092941.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092941.D	1		11/11/24	PL111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.8		43 - 140	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.3		77 - 126	112%	SPK: 20

Comments:

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D = Dilution
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/11/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/11/24
Client Sample ID:	PIBLK-PL092959.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092959.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092959.D	1		11/11/24	PL111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		43 - 140	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.1		77 - 126	110%	SPK: 20

Comments:

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MDL = Method Detection Limit
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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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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:	Walsh Construction Company II, LLC	Date Collected:	11/11/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/11/24
Client Sample ID:	PIBLK-PL092971.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092971.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092971.D	1		11/11/24	PL111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.6		43 - 140	108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.7		77 - 126	114%	SPK: 20

Comments:

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/12/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/12/24
Client Sample ID:	PIBLK-PL092992.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092992.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092992.D	1		11/12/24	PL111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		43 - 140	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.8		77 - 126	114%	SPK: 20

Comments:

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LOD = Limit of Detection
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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164849BS	SDG No.:	P4722
Lab Sample ID:	PB164849BS	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092945.D	1	11/10/24 08:44	11/11/24 12:26	PB164849

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.51		0.0049	0.050	ug/L
76-44-8	Heptachlor	0.53		0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.53		0.0090	0.050	ug/L
72-20-8	Endrin	0.53		0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.50		0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		43 - 140	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		77 - 126	95%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/04/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WB-307-SB02MS	SDG No.:	P4722
Lab Sample ID:	P4718-03MS	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092984.D	1	11/10/24 08:44	11/11/24 23:01	PB164849

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	4.90		0.049	0.50	ug/L
76-44-8	Heptachlor	5.40		0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.30		0.090	0.50	ug/L
72-20-8	Endrin	5.20		0.043	0.50	ug/L
72-43-5	Methoxychlor	4.80		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.1		43 - 140	71%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.6		77 - 126	123%	SPK: 20

Comments:

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

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/04/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WB-307-SB02MSD	SDG No.:	P4722
Lab Sample ID:	P4718-03MSD	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092985.D	1	11/10/24 08:44	11/11/24 23:14	PB164849

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	4.90		0.049	0.50	ug/L
76-44-8	Heptachlor	5.50		0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.30		0.090	0.50	ug/L
72-20-8	Endrin	5.40		0.043	0.50	ug/L
72-43-5	Methoxychlor	4.80		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.4		43 - 140	72%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.6		77 - 126	123%	SPK: 20

Comments:

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

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

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: RT 100 = PL092655.D RT 075 = PL092656.D

RT 050 = PL092657.D RT 025 = PL092658.D RT 005 = PL092659.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	9.05	9.05	9.05	9.05	9.05	9.05	8.95	9.15
Endrin	6.58	6.58	6.57	6.57	6.57	6.57	6.47	6.67
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
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	5.69	5.68	5.68	5.58	5.78
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: RT 100 = PL092655.D RT 075 = PL092656.D

RT 050 = PL092657.D RT 025 = PL092658.D RT 005 = PL092659.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
Endrin	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
gamma-BHC (Lindane)	3.61	3.61	3.61	3.61	3.61	3.61	3.51	3.71
Heptachlor	3.95	3.95	3.95	3.95	3.95	3.95	3.85	4.05
Heptachlor epoxide	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Methoxychlor	6.61	6.62	6.62	6.62	6.61	6.61	6.51	6.71
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

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: **CF 100 =** PL092655.D **CF 075 =** PL092656.D

CF 050 = PL092657.D **CF 025 =** PL092658.D **CF 005 =** PL092659.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	1738840000	1756630000	1819720000	1998760000	2308800000	1924550000	12
Endrin	2111540000	2103000000	2121260000	2324460000	2723040000	2276660000	12
gamma-BHC (Lindane)	3198960000	3133030000	3104430000	3278360000	3583040000	3259560000	6
Heptachlor	2817300000	2795570000	2829220000	3064000000	3509480000	3003110000	10
Heptachlor epoxide	2536240000	2521530000	2566410000	2821600000	3361270000	2761410000	13
Methoxychlor	1040530000	1050870000	1078280000	1189160000	1341160000	1140000000	11
Tetrachloro-m-xylene	2319350000	2304070000	2328420000	2512350000	2786990000	2450240000	8

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: **CF 100 =** PL092655.D **CF 075 =** PL092656.D

CF 050 = PL092657.D **CF 025 =** PL092658.D **CF 005 =** PL092659.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	2606810000	2575500000	2605540000	2793460000	3064890000	2729240000	8
Endrin	2969490000	2878380000	2828080000	2876210000	2912860000	2893010000	2
gamma-BHC (Lindane)	4083950000	3934430000	3833920000	3828430000	3616530000	3859450000	4
Heptachlor	3876200000	3766580000	3709120000	3779090000	3738650000	3773930000	2
Heptachlor epoxide	3405420000	3318630000	3272090000	3352830000	3358060000	3341410000	1
Methoxychlor	1400820000	1385450000	1393920000	1470360000	1489590000	1428030000	3
Tetrachloro-m-xylene	2724750000	2661560000	2643180000	2728430000	2847900000	2721160000	3

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_L **Date(s) Analyzed:** 10/28/2024 10/28/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	4.70	4.60	4.80	106996000
		2	5.23	5.13	5.33	110397000
		3	5.94	5.84	6.04	372388000
		4	6.02	5.92	6.12	458405000
		5	6.87	6.77	6.97	92161100
Toxaphene	500	1	6.24	6.14	6.34	23962400
		2	6.44	6.34	6.54	13823600
		3	7.06	6.96	7.16	79159800
		4	7.15	7.05	7.25	59803700
		5	7.93	7.83	8.03	45329200

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_L **Date(s) Analyzed:** 10/28/2024 10/28/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	3.78	3.68	3.88	105092000
		2	4.35	4.25	4.45	120641000
		3	4.98	4.88	5.08	361048000
		4	5.05	4.95	5.15	346821000
		5	5.94	5.84	6.04	124060000
Toxaphene	500	1	5.01	4.91	5.11	19952700
		2	5.33	5.23	5.43	19749600
		3	6.61	6.51	6.71	70222500
		4	6.73	6.63	6.83	98337700
		5	7.05	6.95	7.15	65479700

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/11/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 11:58 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/11/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 11:58 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092943.D **Time Analyzed:** 11:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.061	8.954	9.154	46.430	50.000	-7.1
Endrin	6.579	6.474	6.674	43.850	50.000	-12.3
gamma-BHC (Lindane)	4.331	4.228	4.428	49.900	50.000	-0.2
Heptachlor	4.920	4.817	5.017	47.730	50.000	-4.5
Heptachlor epoxide	5.688	5.584	5.784	48.400	50.000	-3.2
Methoxychlor	7.504	7.399	7.599	44.210	50.000	-11.6
Tetrachloro-m-xylene	3.542	3.440	3.640	49.960	50.000	-0.1

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092943.D **Time Analyzed:** 11:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.919	7.816	8.016	46.770	50.000	-6.5
Endrin	5.643	5.541	5.741	50.950	50.000	1.9
gamma-BHC (Lindane)	3.611	3.511	3.711	52.560	50.000	5.1
Heptachlor	3.951	3.849	4.049	50.950	50.000	1.9
Heptachlor epoxide	4.733	4.632	4.832	52.470	50.000	4.9
Methoxychlor	6.617	6.515	6.715	46.930	50.000	-6.1
Tetrachloro-m-xylene	2.778	2.678	2.878	51.750	50.000	3.5

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/11/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 16:49 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.51	7.50	7.40	7.60	-0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/11/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 16:49 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092960.D **Time Analyzed:** 16:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.064	8.954	9.154	45.750	50.000	-8.5
Endrin	6.580	6.474	6.674	43.680	50.000	-12.6
gamma-BHC (Lindane)	4.332	4.228	4.428	49.740	50.000	-0.5
Heptachlor	4.921	4.817	5.017	46.230	50.000	-7.5
Heptachlor epoxide	5.689	5.584	5.784	48.040	50.000	-3.9
Methoxychlor	7.506	7.399	7.599	41.600	50.000	-16.8
Tetrachloro-m-xylene	3.543	3.440	3.640	50.620	50.000	1.2

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092960.D **Time Analyzed:** 16:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.920	7.816	8.016	47.520	50.000	-5.0
Endrin	5.643	5.541	5.741	51.290	50.000	2.6
gamma-BHC (Lindane)	3.611	3.511	3.711	52.740	50.000	5.5
Heptachlor	3.950	3.849	4.049	49.830	50.000	-0.3
Heptachlor epoxide	4.733	4.632	4.832	52.930	50.000	5.9
Methoxychlor	6.617	6.515	6.715	45.570	50.000	-8.9
Tetrachloro-m-xylene	2.779	2.678	2.878	51.800	50.000	3.6

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/11/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 20:14 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.51	7.50	7.40	7.60	-0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/11/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 20:14 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL03 **Date Analyzed:** 11/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092973.D **Time Analyzed:** 20:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.063	8.954	9.154	43.000	50.000	-14.0
Endrin	6.579	6.474	6.674	43.010	50.000	-14.0
gamma-BHC (Lindane)	4.331	4.228	4.428	48.520	50.000	-3.0
Heptachlor	4.920	4.817	5.017	45.380	50.000	-9.2
Heptachlor epoxide	5.688	5.584	5.784	47.490	50.000	-5.0
Methoxychlor	7.505	7.399	7.599	42.350	50.000	-15.3
Tetrachloro-m-xylene	3.542	3.440	3.640	49.410	50.000	-1.2

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL03 **Date Analyzed:** 11/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092973.D **Time Analyzed:** 20:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.920	7.816	8.016	44.340	50.000	-11.3
Endrin	5.644	5.541	5.741	48.560	50.000	-2.9
gamma-BHC (Lindane)	3.612	3.511	3.711	50.790	50.000	1.6
Heptachlor	3.951	3.849	4.049	48.630	50.000	-2.7
Heptachlor epoxide	4.734	4.632	4.832	50.070	50.000	0.1
Methoxychlor	6.618	6.515	6.715	43.670	50.000	-12.7
Tetrachloro-m-xylene	2.779	2.678	2.878	50.370	50.000	0.7

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/12/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 01:06 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/12/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 01:06 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL04 **Date Analyzed:** 11/12/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092993.D **Time Analyzed:** 01:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.062	8.954	9.154	45.740	50.000	-8.5
Endrin	6.579	6.474	6.674	42.020	50.000	-16.0
gamma-BHC (Lindane)	4.331	4.228	4.428	49.360	50.000	-1.3
Heptachlor	4.919	4.817	5.017	45.840	50.000	-8.3
Heptachlor epoxide	5.686	5.584	5.784	47.100	50.000	-5.8
Methoxychlor	7.504	7.399	7.599	40.210	50.000	-19.6
Tetrachloro-m-xylene	3.542	3.440	3.640	50.220	50.000	0.4

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL04 **Date Analyzed:** 11/12/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092993.D **Time Analyzed:** 01:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.920	7.816	8.016	46.990	50.000	-6.0
Endrin	5.643	5.541	5.741	48.620	50.000	-2.8
gamma-BHC (Lindane)	3.611	3.511	3.711	52.480	50.000	5.0
Heptachlor	3.950	3.849	4.049	49.220	50.000	-1.6
Heptachlor epoxide	4.733	4.632	4.832	51.790	50.000	3.6
Methoxychlor	6.617	6.515	6.715	42.960	50.000	-14.1
Tetrachloro-m-xylene	2.778	2.678	2.878	51.720	50.000	3.4

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D **Date Analyzed:** 10/28/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 14:16

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.059	8.960	9.160	19.970	20.000	-0.2
Tetrachloro-m-xylene	3.546	3.500	3.600	19.290	20.000	-3.6
alpha-BHC	4.001	3.950	4.050	9.920	10.000	-0.8
beta-BHC	4.531	4.480	4.580	10.060	10.000	0.6
gamma-BHC (Lindane)	4.334	4.280	4.380	9.660	10.000	-3.4
Endrin	6.580	6.510	6.650	41.060	50.000	-17.9
4,4'-DDT	7.030	6.960	7.100	88.060	100.000	-11.9
Methoxychlor	7.505	7.430	7.580	204.090	250.000	-18.4

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D **Date Analyzed:** 10/28/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 14:16

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.820	8.020	19.080	20.000	-4.6
Tetrachloro-m-xylene	2.778	2.730	2.830	18.500	20.000	-7.5
alpha-BHC	3.281	3.230	3.330	8.630	10.000	-13.7
beta-BHC	3.911	3.860	3.960	9.760	10.000	-2.4
gamma-BHC (Lindane)	3.611	3.560	3.660	8.390	10.000	-16.1
Endrin	5.643	5.570	5.710	44.130	50.000	-11.7
4,4'-DDT	6.042	5.970	6.110	98.070	100.000	-1.9
Methoxychlor	6.616	6.550	6.690	225.800	250.000	-9.7

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092942.D **Date Analyzed:** 11/11/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:49

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.061	8.960	9.160	20.400	20.000	2.0
Tetrachloro-m-xylene	3.542	3.490	3.590	22.810	20.000	14.1
alpha-BHC	3.998	3.950	4.050	11.770	10.000	17.7
beta-BHC	4.529	4.480	4.580	12.130	10.000	21.3
gamma-BHC (Lindane)	4.331	4.280	4.380	11.570	10.000	15.7
Endrin	6.578	6.510	6.650	42.290	50.000	-15.4
4,4'-DDT	7.028	6.960	7.100	86.420	100.000	-13.6
Methoxychlor	7.504	7.430	7.570	198.890	250.000	-20.4

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092942.D **Date Analyzed:** 11/11/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:49

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.820	8.020	19.450	20.000	-2.8
Tetrachloro-m-xylene	2.778	2.730	2.830	22.330	20.000	11.7
alpha-BHC	3.280	3.230	3.330	10.690	10.000	6.9
beta-BHC	3.911	3.860	3.960	11.740	10.000	17.4
gamma-BHC (Lindane)	3.611	3.560	3.660	10.280	10.000	2.8
Endrin	5.643	5.570	5.710	50.510	50.000	1.0
4,4'-DDT	6.041	5.970	6.110	105.500	100.000	5.5
Methoxychlor	6.616	6.550	6.690	225.180	250.000	-9.9

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092972.D **Date Analyzed:** 11/11/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 20:00

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.062	8.960	9.160	20.460	20.000	2.3
Tetrachloro-m-xylene	3.542	3.490	3.590	22.530	20.000	12.7
alpha-BHC	3.998	3.950	4.050	11.450	10.000	14.5
beta-BHC	4.529	4.480	4.580	11.720	10.000	17.2
gamma-BHC (Lindane)	4.331	4.280	4.380	11.150	10.000	11.5
Endrin	6.579	6.510	6.650	41.830	50.000	-16.3
4,4'-DDT	7.029	6.960	7.100	82.830	100.000	-17.2
Methoxychlor	7.506	7.440	7.580	196.860	250.000	-21.3

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092972.D **Date Analyzed:** 11/11/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 20:00

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.920	7.820	8.020	19.420	20.000	-2.9
Tetrachloro-m-xylene	2.779	2.730	2.830	21.700	20.000	8.5
alpha-BHC	3.282	3.230	3.330	10.340	10.000	3.4
beta-BHC	3.912	3.860	3.960	11.670	10.000	16.7
gamma-BHC (Lindane)	3.612	3.560	3.660	9.880	10.000	-1.2
Endrin	5.644	5.570	5.710	48.440	50.000	-3.1
4,4'-DDT	6.042	5.970	6.110	95.830	100.000	-4.2
Methoxychlor	6.618	6.550	6.690	221.160	250.000	-11.5

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Analytical Sequence

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Sta **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/28/2024 10/28/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/28/2024	13:55	PL092652.D	9.05	3.54
PEM	PEM	10/28/2024	14:16	PL092653.D	9.06	3.55
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	9.05	3.54
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	9.05	3.54
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	9.05	3.54
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	9.05	3.54
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	9.05	3.54
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	9.05	3.54
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	9.06	3.54
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	9.05	3.54
I.BLK	I.BLK	11/11/2024	09:35	PL092941.D	9.06	3.54
PEM	PEM	11/11/2024	09:49	PL092942.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/11/2024	11:58	PL092943.D	9.06	3.54
PB164849BL	PB164849BL	11/11/2024	12:12	PL092944.D	9.06	3.54
PB164849BS	PB164849BS	11/11/2024	12:26	PL092945.D	9.06	3.54
PB164694TB	PB164694TB	11/11/2024	12:40	PL092946.D	9.06	3.54
I.BLK	I.BLK	11/11/2024	16:35	PL092959.D	9.07	3.55
PSTDCCC050	PSTDCCC050	11/11/2024	16:49	PL092960.D	9.06	3.54
I.BLK	I.BLK	11/11/2024	19:46	PL092971.D	9.06	3.54
PEM	PEM	11/11/2024	20:00	PL092972.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/11/2024	20:14	PL092973.D	9.06	3.54
WB-307-SB02MS	P4718-03MS	11/11/2024	23:01	PL092984.D	9.06	3.54
WB-307-SB02MSD	P4718-03MSD	11/11/2024	23:14	PL092985.D	9.06	3.54
WC-1(0-6)	P4722-04	11/11/2024	23:28	PL092986.D	9.06	3.54
WC-2(0-6)	P4722-09	11/11/2024	23:42	PL092987.D	9.06	3.54
WC-3(0-6)	P4722-14	11/11/2024	23:56	PL092988.D	9.06	3.54
I.BLK	I.BLK	11/12/2024	00:52	PL092992.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/12/2024	01:06	PL092993.D	9.06	3.54

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Analytical Sequence

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Sta **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/28/2024 10/28/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/28/2024	13:55	PL092652.D	7.92	2.78
PEM	PEM	10/28/2024	14:16	PL092653.D	7.92	2.78
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	7.92	2.78
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	7.92	2.78
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	7.92	2.78
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	7.92	2.78
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	7.92	2.78
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	7.92	2.78
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	7.92	2.78
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	7.92	2.78
I.BLK	I.BLK	11/11/2024	09:35	PL092941.D	7.92	2.78
PEM	PEM	11/11/2024	09:49	PL092942.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/11/2024	11:58	PL092943.D	7.92	2.78
PB164849BL	PB164849BL	11/11/2024	12:12	PL092944.D	7.92	2.78
PB164849BS	PB164849BS	11/11/2024	12:26	PL092945.D	7.92	2.78
PB164694TB	PB164694TB	11/11/2024	12:40	PL092946.D	7.92	2.78
I.BLK	I.BLK	11/11/2024	16:35	PL092959.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/11/2024	16:49	PL092960.D	7.92	2.78
I.BLK	I.BLK	11/11/2024	19:46	PL092971.D	7.92	2.78
PEM	PEM	11/11/2024	20:00	PL092972.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/11/2024	20:14	PL092973.D	7.92	2.78
WB-307-SB02MS	P4718-03MS	11/11/2024	23:01	PL092984.D	7.92	2.78
WB-307-SB02MSD	P4718-03MSD	11/11/2024	23:14	PL092985.D	7.92	2.78
WC-1(0-6)	P4722-04	11/11/2024	23:28	PL092986.D	7.92	2.78
WC-2(0-6)	P4722-09	11/11/2024	23:42	PL092987.D	7.92	2.78
WC-3(0-6)	P4722-14	11/11/2024	23:56	PL092988.D	7.92	2.78
I.BLK	I.BLK	11/12/2024	00:52	PL092992.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/12/2024	01:06	PL092993.D	7.92	2.78

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164849BS

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: PB164849BS **Date(s) Analyzed:** 11/11/2024 11/11/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.51	7.46	7.56	0.46	8.6
	2	6.62	6.57	6.67	0.50	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.48	6
	2	3.61	3.56	3.66	0.51	
Heptachlor	1	4.92	4.87	4.97	0.49	7.5
	2	3.95	3.90	4.00	0.53	
Heptachlor epoxide	1	5.69	5.64	5.74	0.48	10.6
	2	4.73	4.68	4.78	0.53	
Endrin	1	6.58	6.53	6.63	0.44	18.6
	2	5.64	5.59	5.69	0.53	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
WB-307-SB02MS

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4718-03MS **Date(s) Analyzed:** 11/11/2024 11/11/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin	1	6.58	6.53	6.63	4.40	16.7
	2	5.64	5.59	5.69	5.20	
Methoxychlor	1	7.51	7.46	7.56	4.50	6.5
	2	6.62	6.57	6.67	4.80	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	4.60	6.3
	2	3.61	3.56	3.66	4.90	
Heptachlor	1	4.92	4.87	4.97	5.00	7.7
	2	3.95	3.90	4.00	5.40	
Heptachlor epoxide	1	5.69	5.64	5.74	4.70	12
	2	4.73	4.68	4.78	5.30	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
WB-307-SB02MSD

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4718-03MSD **Date(s) Analyzed:** 11/11/2024 11/11/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.50	7.45	7.55	4.50	6.5
	2	6.62	6.57	6.67	4.80	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	4.60	6.3
	2	3.61	3.56	3.66	4.90	
Heptachlor	1	4.92	4.87	4.97	5.00	9.5
	2	3.95	3.90	4.00	5.50	
Heptachlor epoxide	1	5.69	5.64	5.74	4.80	9.9
	2	4.73	4.68	4.78	5.30	
Endrin	1	6.58	6.53	6.63	4.50	18.2
	2	5.64	5.59	5.69	5.40	

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LAB CHRONICLE

OrderID:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-03	**WC-1(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Gasoline Range Organics	8015D			11/08/24	
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-03DL	**WC-1(0-6)DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-05	**WC-1(0-6)**	**WATER**			**11/05/24**			**11/05/24**
			SPLP Pesticide	8081B		11/10/24	11/11/24	
P4722-08	**WC-2(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Gasoline Range Organics	8015D			11/07/24	
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-08DL	**WC-2(0-6)DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-10	**WC-2(0-6)**	**WATER**			**11/05/24**			**11/05/24**
			SPLP Pesticide	8081B		11/10/24	11/11/24	
P4722-13	**WC-3(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Gasoline Range Organics	8015D			11/08/24	
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/08/24	

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LAB CHRONICLE

P4722-13DL	**WC-3(0-6)DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-15	**WC-3(0-6)**	**WATER**			**11/05/24**			**11/05/24**
			SPLP Pesticide	8081B		11/10/24	11/11/24	

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Hit Summary Sheet
SW-846

SDG No.: P4722 **Order ID:** P4722

Client: Walsh Construction Company II, LLC **Project ID:** NYCDEP C547A - Shafts 17B-1 & 18B

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-05	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092974.D	1	11/10/24 13:30	11/11/24 20:42	PB164885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.0		43 - 140	70%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.5		77 - 126	98%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-05	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092974.D	1	11/10/24 13:30	11/11/24 20:42	PB164885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-10	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092975.D	1	11/10/24 13:30	11/11/24 20:56	PB164885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.5		43 - 140	82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.6		77 - 126	98%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-10	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092975.D	1	11/10/24 13:30	11/11/24 20:56	PB164885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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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:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-15	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092976.D	1	11/10/24 13:30	11/11/24 21:10	PB164885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.3		43 - 140	76%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		77 - 126	106%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-15	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092976.D	1	11/10/24 13:30	11/11/24 21:10	PB164885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/10/24
Client Sample ID:	PB164885TB	SDG No.:	P4722
Lab Sample ID:	PB164885TB	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092970.D	1	11/10/24 13:30	11/11/24 19:33	PB164885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.9		43 - 140	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		77 - 126	103%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/10/24
Client Sample ID:	PB164885TB	SDG No.:	P4722
Lab Sample ID:	PB164885TB	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092970.D	1	11/10/24 13:30	11/11/24 19:33	PB164885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

QC SUMMARY

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

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL092652.D	PIBLK-PL092652.D	Decachlorobiphenyl	1	20	22.7	114		43	140
		Tetrachloro-m-xylene	1	20	21.6	108		77	126
		Decachlorobiphenyl	2	20	21.7	109		43	140
		Tetrachloro-m-xylene	2	20	20.4	102		77	126
I.BLK-PL092959.D	PIBLK-PL092959.D	Decachlorobiphenyl	1	20	22.0	110		43	140
		Tetrachloro-m-xylene	1	20	22.1	110		77	126
		Decachlorobiphenyl	2	20	22.2	111		43	140
		Tetrachloro-m-xylene	2	20	21.5	107		77	126
PB164885BL	PB164885BL	Decachlorobiphenyl	1	20	19.4	97		43	140
		Tetrachloro-m-xylene	1	20	20.4	102		77	126
		Decachlorobiphenyl	2	20	19.4	97		43	140
		Tetrachloro-m-xylene	2	20	19.2	96		77	126
PB164885BS	PB164885BS	Decachlorobiphenyl	1	20	17.6	88		43	140
		Tetrachloro-m-xylene	1	20	18.7	94		77	126
		Decachlorobiphenyl	2	20	17.3	86		43	140
		Tetrachloro-m-xylene	2	20	17.2	86		77	126
PB164885TB	PB164885TB	Decachlorobiphenyl	1	20	19.9	100		43	140
		Tetrachloro-m-xylene	1	20	20.6	103		77	126
		Decachlorobiphenyl	2	20	19.5	97		43	140
		Tetrachloro-m-xylene	2	20	19.7	98		77	126
I.BLK-PL092971.D	PIBLK-PL092971.D	Decachlorobiphenyl	1	20	21.6	108		43	140
		Tetrachloro-m-xylene	1	20	22.7	114		77	126
		Decachlorobiphenyl	2	20	20.6	103		43	140
		Tetrachloro-m-xylene	2	20	21.6	108		77	126
P4722-05	WC-1(0-6)	Decachlorobiphenyl	1	20	14.0	70		43	140
		Tetrachloro-m-xylene	1	20	19.5	98		77	126
		Decachlorobiphenyl	2	20	13.6	68		43	140
		Tetrachloro-m-xylene	2	20	18.7	94		77	126
P4722-10	WC-2(0-6)	Decachlorobiphenyl	1	20	16.5	82		43	140
		Tetrachloro-m-xylene	1	20	19.4	97		77	126
		Decachlorobiphenyl	2	20	16.1	80		43	140
		Tetrachloro-m-xylene	2	20	19.6	98		77	126
P4722-15	WC-3(0-6)	Decachlorobiphenyl	1	20	15.3	76		43	140
		Tetrachloro-m-xylene	1	20	21.1	106		77	126
		Decachlorobiphenyl	2	20	14.8	74		43	140
		Tetrachloro-m-xylene	2	20	20.6	103		77	126
P4722-15MS	WC-3(0-6)MS	Decachlorobiphenyl	1	20	15.8	79		43	140
		Tetrachloro-m-xylene	1	20	21.5	107		77	126
		Decachlorobiphenyl	2	20	15.6	78		43	140
		Tetrachloro-m-xylene	2	20	21.8	109		77	126
P4722-15MSD	WC-3(0-6)MSD	Decachlorobiphenyl	1	20	15.6	78		43	140

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Surrogate Summary

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
P4722-15MSD	WC-3(0-6)MSD	Tetrachloro-m-xylene	1	20	21.5	108		77	126
		Decachlorobiphenyl	2	20	15.3	76		43	140
		Tetrachloro-m-xylene	2	20	21.7	108		77	126
I.BLK-PL092992.D	PIBLK-PL092992.D	Decachlorobiphenyl	1	20	22.2	111		43	140
		Tetrachloro-m-xylene	1	20	22.8	114		77	126
		Decachlorobiphenyl	2	20	21.8	109		43	140
		Tetrachloro-m-xylene	2	20	22.2	111		77	126

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B **DataFile :** PL092977.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**WC-3(0-6)MS**											
P4722-15MS	alpha-BHC	0.5	0	0.57	ug/L	115				46	160	
	beta-BHC	0.5	0	0.59	ug/L	119				15	175	
	delta-BHC	0.5	0	0.49	ug/L	98				10	175	
	gamma-BHC (Lindane)	0.5	0	0.57	ug/L	114				60	152	
	Heptachlor	0.5	0	0.56	ug/L	112				56	147	
	Aldrin	0.5	0	0.53	ug/L	106				45	147	
	Heptachlor epoxide	0.5	0	0.57	ug/L	114				77	143	
	Endosulfan I	0.5	0	0.58	ug/L	117				34	157	
	Dieldrin	0.5	0	0.60	ug/L	119				46	155	
	4,4'-DDE	0.5	0	0.57	ug/L	114				36	162	
	Endrin	0.5	0	0.60	ug/L	120				76	144	
	Endosulfan II	0.5	0	0.59	ug/L	118				21	168	
	4,4'-DDD	0.5	0	0.63	ug/L	126				15	175	
	Endosulfan sulfate	0.5	0	0.56	ug/L	112				14	183	
	4,4'-DDT	0.5	0	0.52	ug/L	104				15	175	
	Methoxychlor	0.5	0	0.51	ug/L	102				70	142	
	Endrin ketone	0.5	0	0.57	ug/L	115				25	172	
	Endrin aldehyde	0.5	0	0.55	ug/L	110				28	175	
	alpha-Chlordane	0.5	0	0.58	ug/L	115				34	160	
	gamma-Chlordane	0.5	0	0.58	ug/L	116				31	163	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B **DataFile :** PL092978.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**WC-3(0-6)MSD**											
P4722-15MSD	alpha-BHC	0.5	0	0.56	ug/L	112		3		46	160	20
	beta-BHC	0.5	0	0.58	ug/L	117		2		15	175	20
	delta-BHC	0.5	0	0.48	ug/L	96		2		10	175	20
	gamma-BHC (Lindane)	0.5	0	0.56	ug/L	112		2		60	152	20
	Heptachlor	0.5	0	0.55	ug/L	110		2		56	147	20
	Aldrin	0.5	0	0.52	ug/L	104		2		45	147	22
	Heptachlor epoxide	0.5	0	0.56	ug/L	113		1		77	143	20
	Endosulfan I	0.5	0	0.58	ug/L	115		2		34	157	20
	Dieldrin	0.5	0	0.59	ug/L	118		1		46	155	20
	4,4'-DDE	0.5	0	0.57	ug/L	113		1		36	162	20
	Endrin	0.5	0	0.59	ug/L	118		2		76	144	20
	Endosulfan II	0.5	0	0.58	ug/L	117		1		21	168	20
	4,4'-DDD	0.5	0	0.62	ug/L	123		2		15	175	20
	Endosulfan sulfate	0.5	0	0.55	ug/L	111		1		14	183	20
	4,4'-DDT	0.5	0	0.51	ug/L	103		1		15	175	20
	Methoxychlor	0.5	0	0.50	ug/L	101		1		70	142	20
	Endrin ketone	0.5	0	0.57	ug/L	113		2		25	172	20
	Endrin aldehyde	0.5	0	0.54	ug/L	108		2		28	175	20
	alpha-Chlordane	0.5	0	0.57	ug/L	114		1		34	160	20
	gamma-Chlordane	0.5	0	0.57	ug/L	115		1		31	163	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B **Datafile :** PL092969.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164885BS	alpha-BHC	0.5	0.48	ug/L	97				85	130	
	beta-BHC	0.5	0.50	ug/L	100				83	126	
	delta-BHC	0.5	0.43	ug/L	85				69	141	
	gamma-BHC (Lindane)	0.5	0.48	ug/L	95				82	129	
	Heptachlor	0.5	0.48	ug/L	97				79	127	
	Aldrin	0.5	0.48	ug/L	96				79	126	
	Heptachlor epoxide	0.5	0.48	ug/L	96				81	124	
	Endosulfan I	0.5	0.50	ug/L	99				85	122	
	Dieldrin	0.5	0.50	ug/L	99				83	125	
	4,4'-DDE	0.5	0.51	ug/L	102				80	127	
	Endrin	0.5	0.47	ug/L	94				81	128	
	Endosulfan II	0.5	0.48	ug/L	96				82	123	
	4,4'-DDD	0.5	0.53	ug/L	105				77	131	
	Endosulfan sulfate	0.5	0.48	ug/L	96				76	129	
	4,4'-DDT	0.5	0.45	ug/L	89				80	133	
	Methoxychlor	0.5	0.44	ug/L	88				78	108	
	Endrin ketone	0.5	0.49	ug/L	99				80	131	
	Endrin aldehyde	0.5	0.46	ug/L	93				82	127	
	alpha-Chlordane	0.5	0.49	ug/L	99				82	125	
	gamma-Chlordane	0.5	0.50	ug/L	100				82	125	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164885BL

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab Sample ID: PB164885BL Lab File ID: PL092968.D

Matrix: (soil/water) WATER Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 11/10/2024

Date Analyzed (1): 11/11/2024 Date Analyzed (2): 11/11/2024

Time Analyzed (1): 19:05 Time Analyzed (2): 19:05

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column (1): ZB-MR2 ID: 0.32 (mm) GC Column (2): ZB-MR1 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
PB164885BS	PB164885BS	PL092969.D	11/11/2024	11/11/2024
PB164885TB	PB164885TB	PL092970.D	11/11/2024	11/11/2024
WC-1(0-6)	P4722-05	PL092974.D	11/11/2024	11/11/2024
WC-2(0-6)	P4722-10	PL092975.D	11/11/2024	11/11/2024
WC-3(0-6)	P4722-15	PL092976.D	11/11/2024	11/11/2024
WC-3(0-6)MS	P4722-15MS	PL092977.D	11/11/2024	11/11/2024
WC-3(0-6)MSD	P4722-15MSD	PL092978.D	11/11/2024	11/11/2024

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164885BL	SDG No.:	P4722
Lab Sample ID:	PB164885BL	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092968.D	1	11/10/24 13:30	11/11/24 19:05	PB164885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.4		43 - 140	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		77 - 126	102%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164885BL	SDG No.:	P4722
Lab Sample ID:	PB164885BL	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092968.D	1	11/10/24 13:30	11/11/24 19:05	PB164885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	10/28/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	10/28/24
Client Sample ID:	PIBLK-PL092652.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092652.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092652.D	1		10/28/24	PL102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.7		43 - 140	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		77 - 126	108%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	10/28/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	10/28/24
Client Sample ID:	PIBLK-PL092652.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092652.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092652.D	1		10/28/24	PL102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/11/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/11/24
Client Sample ID:	PIBLK-PL092959.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092959.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092959.D	1		11/11/24	PL111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		43 - 140	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.1		77 - 126	110%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/11/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/11/24
Client Sample ID:	PIBLK-PL092959.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092959.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092959.D	1		11/11/24	PL111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/11/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/11/24
Client Sample ID:	PIBLK-PL092971.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092971.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092971.D	1		11/11/24	PL111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.6		43 - 140	108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.7		77 - 126	114%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/11/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/11/24
Client Sample ID:	PIBLK-PL092971.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092971.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092971.D	1		11/11/24	PL111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/12/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/12/24
Client Sample ID:	PIBLK-PL092992.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092992.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092992.D	1		11/12/24	PL111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		43 - 140	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.8		77 - 126	114%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/12/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/12/24
Client Sample ID:	PIBLK-PL092992.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092992.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092992.D	1		11/12/24	PL111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164885BS	SDG No.:	P4722
Lab Sample ID:	PB164885BS	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092969.D	1	11/10/24 13:30	11/11/24 19:19	PB164885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.48		0.0061	0.050	ug/L
319-85-7	beta-BHC	0.50		0.014	0.050	ug/L
319-86-8	delta-BHC	0.43		0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.48		0.0049	0.050	ug/L
76-44-8	Heptachlor	0.48		0.0054	0.050	ug/L
309-00-2	Aldrin	0.48		0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.48		0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.50		0.0050	0.050	ug/L
60-57-1	Dieldrin	0.50		0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.51		0.0045	0.050	ug/L
72-20-8	Endrin	0.47		0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.48		0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.53		0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.48		0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.45		0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.44		0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.49		0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.46		0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.49		0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.50		0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.6		43 - 140	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		77 - 126	94%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164885BS	SDG No.:	P4722
Lab Sample ID:	PB164885BS	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092969.D	1	11/10/24 13:30	11/11/24 19:19	PB164885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MS	SDG No.:	P4722
Lab Sample ID:	P4722-15MS	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092977.D	1	11/10/24 13:30	11/11/24 21:24	PB164885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.57		0.0061	0.050	ug/L
319-85-7	beta-BHC	0.59		0.014	0.050	ug/L
319-86-8	delta-BHC	0.49		0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.57		0.0049	0.050	ug/L
76-44-8	Heptachlor	0.56		0.0054	0.050	ug/L
309-00-2	Aldrin	0.53		0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.57		0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.58		0.0050	0.050	ug/L
60-57-1	Dieldrin	0.60		0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.57		0.0045	0.050	ug/L
72-20-8	Endrin	0.60		0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.59		0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.63		0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.56		0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.52		0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.51		0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.57		0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.55		0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.58		0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.58		0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.8		43 - 140	79%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		77 - 126	109%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MS	SDG No.:	P4722
Lab Sample ID:	P4722-15MS	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092977.D	1	11/10/24 13:30	11/11/24 21:24	PB164885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MSD	SDG No.:	P4722
Lab Sample ID:	P4722-15MSD	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092978.D	1	11/10/24 13:30	11/11/24 21:37	PB164885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.56		0.0061	0.050	ug/L
319-85-7	beta-BHC	0.58		0.014	0.050	ug/L
319-86-8	delta-BHC	0.48		0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.56		0.0049	0.050	ug/L
76-44-8	Heptachlor	0.55		0.0054	0.050	ug/L
309-00-2	Aldrin	0.52		0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.56		0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.58		0.0050	0.050	ug/L
60-57-1	Dieldrin	0.59		0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.57		0.0045	0.050	ug/L
72-20-8	Endrin	0.59		0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.58		0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.62		0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.55		0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.51		0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.50		0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.57		0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.54		0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.57		0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.57		0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.6		43 - 140	78%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.7		77 - 126	108%	SPK: 20

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MSD	SDG No.:	P4722
Lab Sample ID:	P4722-15MSD	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092978.D	1	11/10/24 13:30	11/11/24 21:37	PB164885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

CALIBRATION SUMMARY

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

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: RT 100 = PL092655.D RT 075 = PL092656.D

RT 050 = PL092657.D RT 025 = PL092658.D RT 005 = PL092659.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
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	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Decachlorobiphenyl	9.05	9.05	9.05	9.05	9.05	9.05	8.95	9.15
delta-BHC	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Dieldrin	6.35	6.35	6.35	6.35	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	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.58	6.58	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02
Endrin ketone	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
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	5.69	5.68	5.68	5.58	5.78
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: RT 100 = PL092655.D RT 075 = PL092656.D

RT 050 = PL092657.D RT 025 = PL092658.D RT 005 = PL092659.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
4,4'-DDE	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
4,4'-DDT	6.04	6.04	6.04	6.04	6.04	6.04	5.94	6.14
Aldrin	4.23	4.23	4.23	4.23	4.23	4.23	4.13	4.33
alpha-BHC	3.28	3.28	3.28	3.28	3.28	3.28	3.18	3.38
alpha-Chlordane	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
beta-BHC	3.91	3.91	3.91	3.91	3.91	3.91	3.81	4.01
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
delta-BHC	4.14	4.14	4.14	4.14	4.14	4.14	4.04	4.24
Dieldrin	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Endosulfan I	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Endosulfan II	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Endosulfan sulfate	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endrin	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Endrin aldehyde	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Endrin ketone	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
gamma-BHC (Lindane)	3.61	3.61	3.61	3.61	3.61	3.61	3.51	3.71
gamma-Chlordane	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Heptachlor	3.95	3.95	3.95	3.95	3.95	3.95	3.85	4.05
Heptachlor epoxide	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Methoxychlor	6.61	6.62	6.62	6.62	6.61	6.61	6.51	6.71
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

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: **CF 100 =** PL092655.D **CF 075 =** PL092656.D

CF 050 = PL092657.D **CF 025 =** PL092658.D **CF 005 =** PL092659.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1810270000	1801980000	1817980000	1967770000	2199620000	1919520000	9
4,4'-DDE	2254070000	2226390000	2230050000	2402470000	2732960000	2369190000	9
4,4'-DDT	1948940000	1933390000	1940720000	2113460000	2412250000	2069750000	10
Aldrin	2847480000	2802990000	2807290000	3047230000	3502400000	3001480000	10
alpha-BHC	3356530000	3271880000	3230400000	3397090000	3701950000	3391570000	5
alpha-Chlordane	2486640000	2469090000	2489960000	2701720000	3093310000	2648140000	10
beta-BHC	1343260000	1339050000	1368530000	1491800000	1684660000	1445460000	10
Decachlorobiphenyl	1738840000	1756630000	1819720000	1998760000	2308800000	1924550000	12
delta-BHC	3067660000	2980040000	2949010000	3119670000	3533000000	3129870000	8
Dieldrin	2486930000	2456960000	2476030000	2679410000	3078050000	2635480000	10
Endosulfan I	2320690000	2313950000	2348370000	2546170000	2977620000	2501360000	11
Endosulfan II	2159880000	2160930000	2205230000	2449960000	2943170000	2383830000	14
Endosulfan sulfate	1974140000	1979440000	2024740000	2239840000	2633550000	2170340000	13
Endrin	2111540000	2103000000	2121260000	2324460000	2723040000	2276660000	12
Endrin aldehyde	1712300000	1718280000	1758160000	1955910000	2245210000	1877970000	12
Endrin ketone	2253830000	2246660000	2273910000	2471090000	2868570000	2422810000	11
gamma-BHC (Lindane)	3198960000	3133030000	3104430000	3278360000	3583040000	3259560000	6
gamma-Chlordane	2496700000	2477960000	2491940000	2703470000	3133120000	2660640000	11
Heptachlor	2817300000	2795570000	2829220000	3064000000	3509480000	3003110000	10
Heptachlor epoxide	2536240000	2521530000	2566410000	2821600000	3361270000	2761410000	13
Methoxychlor	1040530000	1050870000	1078280000	1189160000	1341160000	1140000000	11
Tetrachloro-m-xylene	2319350000	2304070000	2328420000	2512350000	2786990000	2450240000	8

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: **CF 100 =** PL092655.D **CF 075 =** PL092656.D

CF 050 = PL092657.D **CF 025 =** PL092658.D **CF 005 =** PL092659.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2614880000	2506250000	2443430000	2489210000	2396540000	2490060000	3
4,4'-DDE	3334990000	3225880000	3154950000	3209960000	3182260000	3221610000	2
4,4'-DDT	2797500000	2713050000	2637310000	2653690000	2609750000	2682260000	3
Aldrin	3840860000	3705070000	3619180000	3619340000	3516600000	3660210000	3
alpha-BHC	4282500000	4089170000	3973860000	3934480000	3670850000	3990170000	6
alpha-Chlordane	3409310000	3303380000	3254510000	3329310000	3333630000	3326030000	2
beta-BHC	1625150000	1594840000	1591160000	1661990000	1758110000	1646250000	4
Decachlorobiphenyl	2606810000	2575500000	2605540000	2793460000	3064890000	2729240000	8
delta-BHC	4088000000	3924730000	3802680000	3782230000	3618150000	3843150000	5
Dieldrin	3483370000	3364390000	3290100000	3303460000	3260200000	3340300000	3
Endosulfan I	3111480000	3032780000	2993580000	3072340000	3055530000	3053140000	1
Endosulfan II	2881520000	2813750000	2779930000	2861240000	2829950000	2833280000	1
Endosulfan sulfate	2707530000	2646200000	2623690000	2712350000	2794620000	2696880000	2
Endrin	2969490000	2878380000	2828080000	2876210000	2912860000	2893010000	2
Endrin aldehyde	2273700000	2244250000	2230130000	2333460000	2454860000	2307280000	4
Endrin ketone	3089790000	3023040000	3013060000	3097240000	3120850000	3068800000	2
gamma-BHC (Lindane)	4083950000	3934430000	3833920000	3828430000	3616530000	3859450000	4
gamma-Chlordane	3470230000	3355710000	3294030000	3342020000	3346470000	3361690000	2
Heptachlor	3876200000	3766580000	3709120000	3779090000	3738650000	3773930000	2
Heptachlor epoxide	3405420000	3318630000	3272090000	3352830000	3358060000	3341410000	1
Methoxychlor	1400820000	1385450000	1393920000	1470360000	1489590000	1428030000	3
Tetrachloro-m-xylene	2724750000	2661560000	2643180000	2728430000	2847900000	2721160000	3

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_L **Date(s) Analyzed:** 10/28/2024 10/28/2024

GC Column: ZB-MR2 **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	23962400
		2	6.44	6.34	6.54	13823600
		3	7.06	6.96	7.16	79159800
		4	7.15	7.05	7.25	59803700
		5	7.93	7.83	8.03	45329200

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_L **Date(s) Analyzed:** 10/28/2024 10/28/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.01	4.91	5.11	19952700
		2	5.33	5.23	5.43	19749600
		3	6.61	6.51	6.71	70222500
		4	6.73	6.63	6.83	98337700
		5	7.05	6.95	7.15	65479700

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/11/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 16:49 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.08	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
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	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.72	6.71	6.61	6.81	-0.01
Endosulfan sulfate	7.17	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.51	7.50	7.40	7.60	-0.01
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/11/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 16:49 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.84	6.74	6.94	-0.01
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092960.D **Time Analyzed:** 16:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.715	6.610	6.810	51.350	50.000	2.7
4,4'-DDE	6.198	6.093	6.293	48.590	50.000	-2.8
4,4'-DDT	7.030	6.923	7.123	42.060	50.000	-15.9
Aldrin	5.263	5.158	5.358	48.090	50.000	-3.8
alpha-BHC	3.999	3.896	4.096	50.510	50.000	1.0
alpha-Chlordane	6.024	5.919	6.119	47.860	50.000	-4.3
beta-BHC	4.530	4.425	4.625	49.560	50.000	-0.9
Decachlorobiphenyl	9.064	8.954	9.154	45.750	50.000	-8.5
delta-BHC	4.777	4.672	4.872	49.810	50.000	-0.4
Dieldrin	6.350	6.245	6.445	47.640	50.000	-4.7
Endosulfan I	6.075	5.970	6.170	47.680	50.000	-4.6
Endosulfan II	6.800	6.694	6.894	45.580	50.000	-8.8
Endosulfan sulfate	7.165	7.058	7.258	45.750	50.000	-8.5
Endrin	6.580	6.474	6.674	43.680	50.000	-12.6
Endrin aldehyde	6.930	6.824	7.024	45.970	50.000	-8.1
Endrin ketone	7.650	7.543	7.743	46.470	50.000	-7.1
gamma-BHC (Lindane)	4.332	4.228	4.428	49.740	50.000	-0.5
gamma-Chlordane	5.946	5.841	6.041	48.110	50.000	-3.8
Heptachlor	4.921	4.817	5.017	46.230	50.000	-7.5
Heptachlor epoxide	5.689	5.584	5.784	48.040	50.000	-3.9
Methoxychlor	7.506	7.399	7.599	41.600	50.000	-16.8
Tetrachloro-m-xylene	3.543	3.440	3.640	50.620	50.000	1.2

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092960.D **Time Analyzed:** 16:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.792	5.689	5.889	58.220	50.000	16.4
4,4'-DDE	5.236	5.135	5.335	53.580	50.000	7.2
4,4'-DDT	6.042	5.940	6.140	46.650	50.000	-6.7
Aldrin	4.230	4.129	4.329	53.210	50.000	6.4
alpha-BHC	3.281	3.181	3.381	53.410	50.000	6.8
alpha-Chlordane	5.047	4.945	5.145	52.430	50.000	4.9
beta-BHC	3.911	3.810	4.010	52.360	50.000	4.7
Decachlorobiphenyl	7.920	7.816	8.016	47.520	50.000	-5.0
delta-BHC	4.140	4.039	4.239	53.650	50.000	7.3
Dieldrin	5.368	5.266	5.466	53.090	50.000	6.2
Endosulfan I	5.103	5.002	5.202	50.820	50.000	1.6
Endosulfan II	5.938	5.836	6.036	53.070	50.000	6.1
Endosulfan sulfate	6.341	6.238	6.438	52.380	50.000	4.8
Endrin	5.643	5.541	5.741	51.290	50.000	2.6
Endrin aldehyde	6.118	6.015	6.215	51.660	50.000	3.3
Endrin ketone	6.847	6.743	6.943	53.550	50.000	7.1
gamma-BHC (Lindane)	3.611	3.511	3.711	52.740	50.000	5.5
gamma-Chlordane	4.983	4.882	5.082	52.990	50.000	6.0
Heptachlor	3.950	3.849	4.049	49.830	50.000	-0.3
Heptachlor epoxide	4.733	4.632	4.832	52.930	50.000	5.9
Methoxychlor	6.617	6.515	6.715	45.570	50.000	-8.9
Tetrachloro-m-xylene	2.779	2.678	2.878	51.800	50.000	3.6

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

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/11/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 20:14 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
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	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.72	6.71	6.61	6.81	-0.01
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.51	7.50	7.40	7.60	-0.01
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/11/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 20:14 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.84	6.74	6.94	-0.01
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092973.D **Time Analyzed:** 20:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.715	6.610	6.810	50.780	50.000	1.6
4,4'-DDE	6.197	6.093	6.293	47.780	50.000	-4.4
4,4'-DDT	7.029	6.923	7.123	41.420	50.000	-17.2
Aldrin	5.262	5.158	5.358	47.210	50.000	-5.6
alpha-BHC	3.999	3.896	4.096	49.140	50.000	-1.7
alpha-Chlordane	6.023	5.919	6.119	46.880	50.000	-6.2
beta-BHC	4.529	4.425	4.625	48.080	50.000	-3.8
Decachlorobiphenyl	9.063	8.954	9.154	43.000	50.000	-14.0
delta-BHC	4.776	4.672	4.872	48.960	50.000	-2.1
Dieldrin	6.349	6.245	6.445	46.620	50.000	-6.8
Endosulfan I	6.074	5.970	6.170	46.400	50.000	-7.2
Endosulfan II	6.798	6.694	6.894	44.940	50.000	-10.1
Endosulfan sulfate	7.164	7.058	7.258	45.660	50.000	-8.7
Endrin	6.579	6.474	6.674	43.010	50.000	-14.0
Endrin aldehyde	6.929	6.824	7.024	46.140	50.000	-7.7
Endrin ketone	7.649	7.543	7.743	45.990	50.000	-8.0
gamma-BHC (Lindane)	4.331	4.228	4.428	48.520	50.000	-3.0
gamma-Chlordane	5.945	5.841	6.041	46.960	50.000	-6.1
Heptachlor	4.920	4.817	5.017	45.380	50.000	-9.2
Heptachlor epoxide	5.688	5.584	5.784	47.490	50.000	-5.0
Methoxychlor	7.505	7.399	7.599	42.350	50.000	-15.3
Tetrachloro-m-xylene	3.542	3.440	3.640	49.410	50.000	-1.2

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092973.D **Time Analyzed:** 20:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.792	5.689	5.889	54.900	50.000	9.8
4,4'-DDE	5.236	5.135	5.335	51.590	50.000	3.2
4,4'-DDT	6.042	5.940	6.140	43.440	50.000	-13.1
Aldrin	4.231	4.129	4.329	51.190	50.000	2.4
alpha-BHC	3.282	3.181	3.381	51.560	50.000	3.1
alpha-Chlordane	5.047	4.945	5.145	50.130	50.000	0.3
beta-BHC	3.912	3.810	4.010	51.180	50.000	2.4
Decachlorobiphenyl	7.920	7.816	8.016	44.340	50.000	-11.3
delta-BHC	4.141	4.039	4.239	52.690	50.000	5.4
Dieldrin	5.368	5.266	5.466	50.660	50.000	1.3
Endosulfan I	5.103	5.002	5.202	47.530	50.000	-4.9
Endosulfan II	5.939	5.836	6.036	49.470	50.000	-1.1
Endosulfan sulfate	6.341	6.238	6.438	49.630	50.000	-0.7
Endrin	5.644	5.541	5.741	48.560	50.000	-2.9
Endrin aldehyde	6.118	6.015	6.215	49.070	50.000	-1.9
Endrin ketone	6.847	6.743	6.943	49.470	50.000	-1.1
gamma-BHC (Lindane)	3.612	3.511	3.711	50.790	50.000	1.6
gamma-Chlordane	4.984	4.882	5.082	50.590	50.000	1.2
Heptachlor	3.951	3.849	4.049	48.630	50.000	-2.7
Heptachlor epoxide	4.734	4.632	4.832	50.070	50.000	0.1
Methoxychlor	6.618	6.515	6.715	43.670	50.000	-12.7
Tetrachloro-m-xylene	2.779	2.678	2.878	50.370	50.000	0.7

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/12/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 01:06 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
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	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
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

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/12/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 01:06 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.84	6.74	6.94	-0.01
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL03 **Date Analyzed:** 11/12/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092993.D **Time Analyzed:** 01:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.714	6.610	6.810	52.020	50.000	4.0
4,4'-DDE	6.196	6.093	6.293	48.260	50.000	-3.5
4,4'-DDT	7.026	6.923	7.123	40.150	50.000	-19.7
Aldrin	5.261	5.158	5.358	47.870	50.000	-4.3
alpha-BHC	3.998	3.896	4.096	50.010	50.000	0.0
alpha-Chlordane	6.023	5.919	6.119	47.060	50.000	-5.9
beta-BHC	4.529	4.425	4.625	48.900	50.000	-2.2
Decachlorobiphenyl	9.062	8.954	9.154	45.740	50.000	-8.5
delta-BHC	4.776	4.672	4.872	49.800	50.000	-0.4
Dieldrin	6.349	6.245	6.445	46.820	50.000	-6.4
Endosulfan I	6.074	5.970	6.170	46.790	50.000	-6.4
Endosulfan II	6.798	6.694	6.894	44.940	50.000	-10.1
Endosulfan sulfate	7.163	7.058	7.258	45.710	50.000	-8.6
Endrin	6.579	6.474	6.674	42.020	50.000	-16.0
Endrin aldehyde	6.928	6.824	7.024	46.730	50.000	-6.5
Endrin ketone	7.648	7.543	7.743	46.830	50.000	-6.3
gamma-BHC (Lindane)	4.331	4.228	4.428	49.360	50.000	-1.3
gamma-Chlordane	5.944	5.841	6.041	47.550	50.000	-4.9
Heptachlor	4.919	4.817	5.017	45.840	50.000	-8.3
Heptachlor epoxide	5.686	5.584	5.784	47.100	50.000	-5.8
Methoxychlor	7.504	7.399	7.599	40.210	50.000	-19.6
Tetrachloro-m-xylene	3.542	3.440	3.640	50.220	50.000	0.4

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL03 **Date Analyzed:** 11/12/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092993.D **Time Analyzed:** 01:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.791	5.689	5.889	58.750	50.000	17.5
4,4'-DDE	5.236	5.135	5.335	53.480	50.000	7.0
4,4'-DDT	6.041	5.940	6.140	42.540	50.000	-14.9
Aldrin	4.230	4.129	4.329	52.710	50.000	5.4
alpha-BHC	3.281	3.181	3.381	52.910	50.000	5.8
alpha-Chlordane	5.047	4.945	5.145	51.740	50.000	3.5
beta-BHC	3.911	3.810	4.010	52.210	50.000	4.4
Decachlorobiphenyl	7.920	7.816	8.016	46.990	50.000	-6.0
delta-BHC	4.140	4.039	4.239	53.560	50.000	7.1
Dieldrin	5.367	5.266	5.466	52.490	50.000	5.0
Endosulfan I	5.102	5.002	5.202	47.690	50.000	-4.6
Endosulfan II	5.938	5.836	6.036	51.660	50.000	3.3
Endosulfan sulfate	6.340	6.238	6.438	51.580	50.000	3.2
Endrin	5.643	5.541	5.741	48.620	50.000	-2.8
Endrin aldehyde	6.117	6.015	6.215	51.550	50.000	3.1
Endrin ketone	6.846	6.743	6.943	52.610	50.000	5.2
gamma-BHC (Lindane)	3.611	3.511	3.711	52.480	50.000	5.0
gamma-Chlordane	4.983	4.882	5.082	52.130	50.000	4.3
Heptachlor	3.950	3.849	4.049	49.220	50.000	-1.6
Heptachlor epoxide	4.733	4.632	4.832	51.790	50.000	3.6
Methoxychlor	6.617	6.515	6.715	42.960	50.000	-14.1
Tetrachloro-m-xylene	2.778	2.678	2.878	51.720	50.000	3.4

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D **Date Analyzed:** 10/28/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 14:16

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.059	8.960	9.160	19.970	20.000	-0.2
Tetrachloro-m-xylene	3.546	3.500	3.600	19.290	20.000	-3.6
alpha-BHC	4.001	3.950	4.050	9.920	10.000	-0.8
beta-BHC	4.531	4.480	4.580	10.060	10.000	0.6
gamma-BHC (Lindane)	4.334	4.280	4.380	9.660	10.000	-3.4
Endrin	6.580	6.510	6.650	41.060	50.000	-17.9
4,4'-DDT	7.030	6.960	7.100	88.060	100.000	-11.9
Methoxychlor	7.505	7.430	7.580	204.090	250.000	-18.4

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D **Date Analyzed:** 10/28/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 14:16

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.820	8.020	19.080	20.000	-4.6
Tetrachloro-m-xylene	2.778	2.730	2.830	18.500	20.000	-7.5
alpha-BHC	3.281	3.230	3.330	8.630	10.000	-13.7
beta-BHC	3.911	3.860	3.960	9.760	10.000	-2.4
gamma-BHC (Lindane)	3.611	3.560	3.660	8.390	10.000	-16.1
Endrin	5.643	5.570	5.710	44.130	50.000	-11.7
4,4'-DDT	6.042	5.970	6.110	98.070	100.000	-1.9
Methoxychlor	6.616	6.550	6.690	225.800	250.000	-9.7

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Fax : 908 789 8922

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092942.D **Date Analyzed:** 11/11/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:49

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.061	8.960	9.160	20.400	20.000	2.0
Tetrachloro-m-xylene	3.542	3.490	3.590	22.810	20.000	14.1
alpha-BHC	3.998	3.950	4.050	11.770	10.000	17.7
beta-BHC	4.529	4.480	4.580	12.130	10.000	21.3
gamma-BHC (Lindane)	4.331	4.280	4.380	11.570	10.000	15.7
Endrin	6.578	6.510	6.650	42.290	50.000	-15.4
4,4'-DDT	7.028	6.960	7.100	86.420	100.000	-13.6
Methoxychlor	7.504	7.430	7.570	198.890	250.000	-20.4

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092942.D **Date Analyzed:** 11/11/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:49

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.820	8.020	19.450	20.000	-2.8
Tetrachloro-m-xylene	2.778	2.730	2.830	22.330	20.000	11.7
alpha-BHC	3.280	3.230	3.330	10.690	10.000	6.9
beta-BHC	3.911	3.860	3.960	11.740	10.000	17.4
gamma-BHC (Lindane)	3.611	3.560	3.660	10.280	10.000	2.8
Endrin	5.643	5.570	5.710	50.510	50.000	1.0
4,4'-DDT	6.041	5.970	6.110	105.500	100.000	5.5
Methoxychlor	6.616	6.550	6.690	225.180	250.000	-9.9

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Fax : 908 789 8922

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092972.D **Date Analyzed:** 11/11/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 20:00

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.062	8.960	9.160	20.460	20.000	2.3
Tetrachloro-m-xylene	3.542	3.490	3.590	22.530	20.000	12.7
alpha-BHC	3.998	3.950	4.050	11.450	10.000	14.5
beta-BHC	4.529	4.480	4.580	11.720	10.000	17.2
gamma-BHC (Lindane)	4.331	4.280	4.380	11.150	10.000	11.5
Endrin	6.579	6.510	6.650	41.830	50.000	-16.3
4,4'-DDT	7.029	6.960	7.100	82.830	100.000	-17.2
Methoxychlor	7.506	7.440	7.580	196.860	250.000	-21.3

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092972.D **Date Analyzed:** 11/11/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 20:00

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.920	7.820	8.020	19.420	20.000	-2.9
Tetrachloro-m-xylene	2.779	2.730	2.830	21.700	20.000	8.5
alpha-BHC	3.282	3.230	3.330	10.340	10.000	3.4
beta-BHC	3.912	3.860	3.960	11.670	10.000	16.7
gamma-BHC (Lindane)	3.612	3.560	3.660	9.880	10.000	-1.2
Endrin	5.644	5.570	5.710	48.440	50.000	-3.1
4,4'-DDT	6.042	5.970	6.110	95.830	100.000	-4.2
Methoxychlor	6.618	6.550	6.690	221.160	250.000	-11.5

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Analytical Sequence

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Sta **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/28/2024 10/28/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/28/2024	13:55	PL092652.D	9.05	3.54
PEM	PEM	10/28/2024	14:16	PL092653.D	9.06	3.55
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	9.05	3.54
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	9.05	3.54
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	9.05	3.54
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	9.05	3.54
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	9.05	3.54
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	9.05	3.54
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	9.06	3.54
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	9.05	3.54
PEM	PEM	11/11/2024	09:49	PL092942.D	9.06	3.54
I.BLK	I.BLK	11/11/2024	16:35	PL092959.D	9.07	3.55
PSTDCCC050	PSTDCCC050	11/11/2024	16:49	PL092960.D	9.06	3.54
PB164885BL	PB164885BL	11/11/2024	19:05	PL092968.D	9.06	3.54
PB164885BS	PB164885BS	11/11/2024	19:19	PL092969.D	9.06	3.54
PB164885TB	PB164885TB	11/11/2024	19:33	PL092970.D	9.06	3.54
I.BLK	I.BLK	11/11/2024	19:46	PL092971.D	9.06	3.54
PEM	PEM	11/11/2024	20:00	PL092972.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/11/2024	20:14	PL092973.D	9.06	3.54
WC-1(0-6)	P4722-05	11/11/2024	20:42	PL092974.D	9.06	3.54
WC-2(0-6)	P4722-10	11/11/2024	20:56	PL092975.D	9.06	3.54
WC-3(0-6)	P4722-15	11/11/2024	21:10	PL092976.D	9.06	3.54
WC-3(0-6)MS	P4722-15MS	11/11/2024	21:24	PL092977.D	9.06	3.54
WC-3(0-6)MSD	P4722-15MSD	11/11/2024	21:37	PL092978.D	9.06	3.54
I.BLK	I.BLK	11/12/2024	00:52	PL092992.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/12/2024	01:06	PL092993.D	9.06	3.54

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Analytical Sequence

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Sta **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/28/2024 10/28/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/28/2024	13:55	PL092652.D	7.92	2.78
PEM	PEM	10/28/2024	14:16	PL092653.D	7.92	2.78
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	7.92	2.78
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	7.92	2.78
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	7.92	2.78
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	7.92	2.78
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	7.92	2.78
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	7.92	2.78
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	7.92	2.78
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	7.92	2.78
PEM	PEM	11/11/2024	09:49	PL092942.D	7.92	2.78
I.BLK	I.BLK	11/11/2024	16:35	PL092959.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/11/2024	16:49	PL092960.D	7.92	2.78
PB164885BL	PB164885BL	11/11/2024	19:05	PL092968.D	7.92	2.78
PB164885BS	PB164885BS	11/11/2024	19:19	PL092969.D	7.92	2.78
PB164885TB	PB164885TB	11/11/2024	19:33	PL092970.D	7.92	2.78
I.BLK	I.BLK	11/11/2024	19:46	PL092971.D	7.92	2.78
PEM	PEM	11/11/2024	20:00	PL092972.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/11/2024	20:14	PL092973.D	7.92	2.78
WC-1(0-6)	P4722-05	11/11/2024	20:42	PL092974.D	7.92	2.78
WC-2(0-6)	P4722-10	11/11/2024	20:56	PL092975.D	7.92	2.78
WC-3(0-6)	P4722-15	11/11/2024	21:10	PL092976.D	7.92	2.78
WC-3(0-6)MS	P4722-15MS	11/11/2024	21:24	PL092977.D	7.92	2.78
WC-3(0-6)MSD	P4722-15MSD	11/11/2024	21:37	PL092978.D	7.92	2.78
I.BLK	I.BLK	11/12/2024	00:52	PL092992.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/12/2024	01:06	PL092993.D	7.92	2.78

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164885BS

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: PB164885BS **Date(s) Analyzed:** 11/11/2024 11/11/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.80	6.75	6.85	0.45	5.7
	2	5.94	5.89	5.99	0.48	
4,4'-DDD	1	6.71	6.66	6.76	0.50	4.8
	2	5.79	5.74	5.84	0.53	
4,4'-DDT	1	7.03	6.98	7.08	0.45	1.9
	2	6.04	5.99	6.09	0.44	
Endrin aldehyde	1	6.93	6.88	6.98	0.45	2.4
	2	6.12	6.07	6.17	0.46	
Endosulfan sulfate	1	7.16	7.11	7.21	0.44	8.4
	2	6.34	6.29	6.39	0.48	
Methoxychlor	1	7.50	7.45	7.55	0.42	4.4
	2	6.62	6.57	6.67	0.44	
Endrin ketone	1	7.65	7.60	7.70	0.46	7
	2	6.85	6.80	6.90	0.49	
alpha-BHC	1	4.00	3.95	4.05	0.47	4
	2	3.28	3.23	3.33	0.48	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.46	4.3
	2	3.61	3.56	3.66	0.48	
Heptachlor	1	4.92	4.87	4.97	0.45	6
	2	3.95	3.90	4.00	0.48	
Aldrin	1	5.26	5.21	5.31	0.44	7.9
	2	4.23	4.18	4.28	0.48	
beta-BHC	1	4.53	4.48	4.58	0.47	5.6
	2	3.91	3.86	3.96	0.50	
delta-BHC	1	4.78	4.73	4.83	0.41	3.9
	2	4.14	4.09	4.19	0.43	
Heptachlor epoxide	1	5.69	5.64	5.74	0.43	10.6
	2	4.73	4.68	4.78	0.48	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PB164885BS

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: PB164885BS **Date(s) Analyzed:** 11/11/2024 11/11/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	0.46	8.4
	2	5.10	5.05	5.15	0.50	
gamma-Chlordane	1	5.94	5.89	5.99	0.47	6.6
	2	4.98	4.93	5.03	0.50	
alpha-Chlordane	1	6.02	5.97	6.07	0.46	6.7
	2	5.05	5.00	5.10	0.49	
4,4'-DDE	1	6.20	6.15	6.25	0.48	6.2
	2	5.24	5.19	5.29	0.51	
Dieldrin	1	6.35	6.30	6.40	0.46	7.3
	2	5.37	5.32	5.42	0.50	
Endrin	1	6.58	6.53	6.63	0.41	13.2
	2	5.64	5.59	5.69	0.47	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
WC-3(0-6)MS

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4722-15MS **Date(s) Analyzed:** 11/11/2024 11/11/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.80	6.75	6.85	0.52	13.9
	2	5.94	5.89	5.99	0.59	
4,4'-DDD	1	6.71	6.66	6.76	0.57	10.5
	2	5.79	5.74	5.84	0.63	
4,4'-DDT	1	7.03	6.98	7.08	0.50	4.9
	2	6.04	5.99	6.09	0.52	
Endrin aldehyde	1	6.93	6.88	6.98	0.50	8.6
	2	6.12	6.07	6.17	0.55	
Endosulfan sulfate	1	7.16	7.11	7.21	0.50	11.7
	2	6.34	6.29	6.39	0.56	
Methoxychlor	1	7.50	7.45	7.55	0.48	5.1
	2	6.62	6.57	6.67	0.51	
Endrin ketone	1	7.65	7.60	7.70	0.52	10.3
	2	6.85	6.80	6.90	0.57	
alpha-BHC	1	4.00	3.95	4.05	0.54	5.1
	2	3.28	3.23	3.33	0.57	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.56	2.3
	2	3.61	3.56	3.66	0.57	
Heptachlor	1	4.92	4.87	4.97	0.51	9.5
	2	3.95	3.90	4.00	0.56	
Aldrin	1	5.26	5.21	5.31	0.49	8.4
	2	4.23	4.18	4.28	0.53	
beta-BHC	1	4.53	4.48	4.58	0.55	7.1
	2	3.91	3.86	3.96	0.59	
delta-BHC	1	4.78	4.73	4.83	0.48	0.9
	2	4.14	4.09	4.19	0.49	
Heptachlor epoxide	1	5.69	5.64	5.74	0.52	8.9
	2	4.73	4.68	4.78	0.57	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-3(0-6)MS

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4722-15MS **Date(s) Analyzed:** 11/11/2024 11/11/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	0.53	9.4
	2	5.10	5.05	5.15	0.58	
gamma-Chlordane	1	5.94	5.89	5.99	0.53	9.5
	2	4.98	4.93	5.03	0.58	
alpha-Chlordane	1	6.02	5.97	6.07	0.52	9.4
	2	5.05	5.00	5.10	0.58	
4,4'-DDE	1	6.20	6.15	6.25	0.51	10.4
	2	5.24	5.19	5.29	0.57	
Dieldrin	1	6.35	6.30	6.40	0.53	11.3
	2	5.37	5.32	5.42	0.60	
Endrin	1	6.58	6.53	6.63	0.50	17.5
	2	5.64	5.59	5.69	0.60	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
WC-3(0-6)MSD

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4722-15MSD **Date(s) Analyzed:** 11/11/2024 11/11/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.80	6.75	6.85	0.51	14.1
	2	5.94	5.89	5.99	0.58	
4,4'-DDD	1	6.72	6.67	6.77	0.56	10
	2	5.79	5.74	5.84	0.62	
4,4'-DDT	1	7.03	6.98	7.08	0.49	5.2
	2	6.04	5.99	6.09	0.51	
Endrin aldehyde	1	6.93	6.88	6.98	0.50	7.8
	2	6.12	6.07	6.17	0.54	
Endosulfan sulfate	1	7.16	7.11	7.21	0.49	11.5
	2	6.34	6.29	6.39	0.55	
Methoxychlor	1	7.51	7.46	7.56	0.48	4.8
	2	6.62	6.57	6.67	0.50	
Endrin ketone	1	7.65	7.60	7.70	0.51	10.1
	2	6.85	6.80	6.90	0.57	
alpha-BHC	1	4.00	3.95	4.05	0.54	4.8
	2	3.28	3.23	3.33	0.56	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.53	6.4
	2	3.61	3.56	3.66	0.56	
Heptachlor	1	4.92	4.87	4.97	0.50	9.6
	2	3.95	3.90	4.00	0.55	
Aldrin	1	5.26	5.21	5.31	0.48	8.3
	2	4.23	4.18	4.28	0.52	
beta-BHC	1	4.53	4.48	4.58	0.55	6.9
	2	3.91	3.86	3.96	0.58	
delta-BHC	1	4.78	4.73	4.83	0.48	0
	2	4.14	4.09	4.19	0.48	
Heptachlor epoxide	1	5.69	5.64	5.74	0.51	9.2
	2	4.73	4.68	4.78	0.56	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
WC-3(0-6)MSD

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4722-15MSD **Date(s) Analyzed:** 11/11/2024 11/11/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	0.52	9.9
	2	5.10	5.05	5.15	0.58	
gamma-Chlordane	1	5.94	5.89	5.99	0.52	9.1
	2	4.98	4.93	5.03	0.57	
alpha-Chlordane	1	6.02	5.97	6.07	0.52	10.2
	2	5.05	5.00	5.10	0.57	
4,4'-DDE	1	6.20	6.15	6.25	0.51	10.7
	2	5.24	5.19	5.29	0.57	
Dieldrin	1	6.35	6.30	6.40	0.52	11.4
	2	5.37	5.32	5.42	0.59	
Endrin	1	6.58	6.53	6.63	0.50	17.5
	2	5.64	5.59	5.69	0.59	

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LAB CHRONICLE

OrderID:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-03	**WC-1(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			PCB	8082A		11/07/24	11/07/24	
P4722-08	**WC-2(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			PCB	8082A		11/07/24	11/07/24	
P4722-13	**WC-3(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			PCB	8082A		11/07/24	11/07/24	

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Hit Summary Sheet
SW-846

SDG No.: P4722 **Order ID:** P4722

Client: Walsh Construction Company II, LLC **Project ID:** NYCDEP C547A - Shafts 17B-1 & 18B

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**WC-1(0-6)**							
P4722-03	WC-1(0-6)	SOIL	Aroclor-1254	60.7	P	2.90	18.1	ug/kg
P4722-03	WC-1(0-6)	SOIL	Aroclor-1260	54.7		3.10	18.1	ug/kg
			Total Concentration:	**115.400**				
Client ID :	**WC-2(0-6)**							
P4722-08	WC-2(0-6)	SOIL	Aroclor-1254	41.7		3.00	18.8	ug/kg
P4722-08	WC-2(0-6)	SOIL	Aroclor-1260	43.2		3.20	18.8	ug/kg
			Total Concentration:	**84.900**				
Client ID :	**WC-3(0-6)**							
P4722-13	WC-3(0-6)	SOIL	Aroclor-1254	116		3.20	19.6	ug/kg
P4722-13	WC-3(0-6)	SOIL	Aroclor-1260	78.8		3.40	19.6	ug/kg
			Total Concentration:	**194.800**				

SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	93.8 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107781.D	1	11/07/24 08:40	11/07/24 14:31	PB164748

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.60	U	3.60	18.1	ug/kg
11104-28-2	Aroclor-1221	6.80	U	6.80	18.1	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	18.1	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	18.1	ug/kg
12672-29-6	Aroclor-1248	8.40	U	8.40	18.1	ug/kg
11097-69-1	Aroclor-1254	60.7	P	2.90	18.1	ug/kg
37324-23-5	Aroclor-1262	4.90	U	4.90	18.1	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	18.1	ug/kg
11096-82-5	Aroclor-1260	54.7		3.10	18.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.1		32 - 144	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.3		32 - 175	121%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-08	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.1 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107782.D	1	11/07/24 08:40	11/07/24 14:47	PB164748

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.70	U	3.70	18.8	ug/kg
11104-28-2	Aroclor-1221	7.10	U	7.10	18.8	ug/kg
11141-16-5	Aroclor-1232	3.80	U	3.80	18.8	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.8	ug/kg
12672-29-6	Aroclor-1248	8.70	U	8.70	18.8	ug/kg
11097-69-1	Aroclor-1254	41.7		3.00	18.8	ug/kg
37324-23-5	Aroclor-1262	5.10	U	5.10	18.8	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.8	ug/kg
11096-82-5	Aroclor-1260	43.2		3.20	18.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.4		32 - 144	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.6		32 - 175	103%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-13	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	86.6 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107783.D	1	11/07/24 08:40	11/07/24 15:04	PB164748

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	19.6	ug/kg
11104-28-2	Aroclor-1221	7.40	U	7.40	19.6	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	19.6	ug/kg
53469-21-9	Aroclor-1242	3.90	U	3.90	19.6	ug/kg
12672-29-6	Aroclor-1248	9.10	U	9.10	19.6	ug/kg
11097-69-1	Aroclor-1254	116		3.20	19.6	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	19.6	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	19.6	ug/kg
11096-82-5	Aroclor-1260	78.8		3.40	19.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.0		32 - 144	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.7		32 - 175	89%	SPK: 20

Comments:

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

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

QC SUMMARY

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

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO107183.D	PIBLK-PO107183.D	Tetrachloro-m-xylene	1	20	22.5	112		60	140
		Decachlorobiphenyl	1	20	23.4	117		60	140
		Tetrachloro-m-xylene	2	20	22.1	110		60	140
		Decachlorobiphenyl	2	20	22.8	114		60	140
I.BLK-PO107773.D	PIBLK-PO107773.D	Tetrachloro-m-xylene	1	20	20.8	104		60	140
		Decachlorobiphenyl	1	20	21.9	109		60	140
		Tetrachloro-m-xylene	2	20	20.8	104		60	140
		Decachlorobiphenyl	2	20	22.9	114		60	140
PB164748BL	PB164748BL	Tetrachloro-m-xylene	1	20	20.0	100		32	144
		Decachlorobiphenyl	1	20	21.5	108		32	175
		Tetrachloro-m-xylene	2	20	19.9	100		32	144
		Decachlorobiphenyl	2	20	21.9	110		32	175
PB164748BS	PB164748BS	Tetrachloro-m-xylene	1	20	21.3	107		32	144
		Decachlorobiphenyl	1	20	22.4	112		32	175
		Tetrachloro-m-xylene	2	20	20.2	101		32	144
		Decachlorobiphenyl	2	20	23.2	116		32	175
P4720-01MS	JC-701-COMP-01MS	Tetrachloro-m-xylene	1	20	23.1	116		32	144
		Decachlorobiphenyl	1	20	26.4	132		32	175
		Tetrachloro-m-xylene	2	20	21.9	110		32	144
		Decachlorobiphenyl	2	20	29.5	148		32	175
P4720-01MSD	JC-701-COMP-01MSD	Tetrachloro-m-xylene	1	20	22.8	114		32	144
		Decachlorobiphenyl	1	20	27.3	136		32	175
		Tetrachloro-m-xylene	2	20	21.9	109		32	144
		Decachlorobiphenyl	2	20	29.8	149		32	175
P4722-03	WC-1(0-6)	Tetrachloro-m-xylene	1	20	18.8	94		32	144
		Decachlorobiphenyl	1	20	24.3	121		32	175
		Tetrachloro-m-xylene	2	20	21.1	106		32	144
		Decachlorobiphenyl	2	20	20.1	101		32	175
P4722-08	WC-2(0-6)	Tetrachloro-m-xylene	1	20	15.5	78		32	144
		Decachlorobiphenyl	1	20	20.6	103		32	175
		Tetrachloro-m-xylene	2	20	19.4	97		32	144
		Decachlorobiphenyl	2	20	16.6	83		32	175
P4722-13	WC-3(0-6)	Tetrachloro-m-xylene	1	20	17.6	88		32	144
		Decachlorobiphenyl	1	20	17.7	89		32	175
		Tetrachloro-m-xylene	2	20	20.0	100		32	144
		Decachlorobiphenyl	2	20	14.5	73		32	175
I.BLK-PO107788.D	PIBLK-PO107788.D	Tetrachloro-m-xylene	1	20	20.4	102		60	140
		Decachlorobiphenyl	1	20	19.8	99		60	140
		Tetrachloro-m-xylene	2	20	20.8	104		60	140
		Decachlorobiphenyl	2	20	18.6	93		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8082A **DataFile :** PO107779.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**JC-701-COMP-01MS**											
P4720-01MS	AR1016	183.5	0	203	ug/kg	111				55	146	
	AR1260	183.5	25.7	232	ug/kg	112				45	144	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8082A **DataFile :** PO107780.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**JC-701-COMP-01MSD**											
P4720-01MSD	AR1016	183.6	0	204	ug/kg	111		0		55	146	20
	AR1260	183.6	25.7	233	ug/kg	113		1		45	144	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8082A **Datafile :** PO107776.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164748BS	AR1016	166.6	163	ug/kg	98				71	120	
	AR1260	166.6	167	ug/kg	100				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164748BL

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab Sample ID: PB164748BL Lab File ID: PO107775.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 11/07/2024

Date Analyzed (1): 11/07/2024 Date Analyzed (2): 11/07/2024

Time Analyzed (1): 12:54 Time Analyzed (2): 12:54

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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
PB164748BS	PB164748BS	PO107776.D	11/07/2024	11/07/2024
JC-701-COMP-01MS	P4720-01MS	PO107779.D	11/07/2024	11/07/2024
JC-701-COMP-01MSD	P4720-01MSD	PO107780.D	11/07/2024	11/07/2024
WC-1(0-6)	P4722-03	PO107781.D	11/07/2024	11/07/2024
WC-2(0-6)	P4722-08	PO107782.D	11/07/2024	11/07/2024
WC-3(0-6)	P4722-13	PO107783.D	11/07/2024	11/07/2024

COMMENTS:

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

Calibration Times: 18:27 02:36

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

LAB FILE ID: RT 1000 = PO107184.D RT 750 = PO107185.D

RT 500 = PO107186.D RT 250 = PO107187.D RT 050 = PO107188.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.52	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Aroclor-1016-2	(2)	5.54	5.55	5.55	5.54	5.54	5.54	5.44	5.64
Aroclor-1016-3	(3)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Aroclor-1016-4	(4)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1016-5	(5)	6.00	6.00	6.00	6.00	6.00	6.00	5.90	6.10
Aroclor-1260-1	(1)	7.12	7.13	7.13	7.12	7.13	7.13	7.03	7.23
Aroclor-1260-2	(2)	7.38	7.38	7.38	7.38	7.38	7.38	7.28	7.48
Aroclor-1260-3	(3)	7.74	7.74	7.74	7.74	7.74	7.74	7.64	7.84
Aroclor-1260-4	(4)	7.97	7.97	7.97	7.97	7.97	7.97	7.87	8.07
Aroclor-1260-5	(5)	8.28	8.28	8.28	8.28	8.28	8.28	8.18	8.38
Decachlorobiphenyl		10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1242-1	(1)	5.52	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Aroclor-1242-2	(2)	5.55	5.54	5.54	5.54	5.54	5.54	5.44	5.64
Aroclor-1242-3	(3)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Aroclor-1242-4	(4)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1242-5	(5)	6.44	6.44	6.44	6.44	6.44	6.44	6.34	6.54
Decachlorobiphenyl		10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1248-1	(1)	5.52	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Aroclor-1248-2	(2)	5.80	5.80	5.80	5.80	5.80	5.80	5.70	5.90
Aroclor-1248-3	(3)	6.00	6.00	6.00	6.00	6.00	6.00	5.90	6.10
Aroclor-1248-4	(4)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1248-5	(5)	6.44	6.44	6.44	6.44	6.44	6.44	6.34	6.54
Decachlorobiphenyl		10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1254-1	(1)	6.37	6.37	6.38	6.37	6.38	6.37	6.27	6.47
Aroclor-1254-2	(2)	6.59	6.59	6.59	6.59	6.59	6.59	6.49	6.69
Aroclor-1254-3	(3)	6.96	6.96	6.96	6.96	6.96	6.96	6.86	7.06
Aroclor-1254-4	(4)	7.24	7.24	7.24	7.24	7.24	7.24	7.14	7.34
Aroclor-1254-5	(5)	7.66	7.66	7.66	7.66	7.66	7.66	7.56	7.76
Decachlorobiphenyl		10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1268-1	(1)	8.59	8.59	8.59	8.59	8.59	8.59	8.49	8.69
Aroclor-1268-2	(2)	8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Aroclor-1268-3	(3)	8.91	8.91	8.91	8.91	8.91	8.91	8.81	9.01
Aroclor-1268-4	(4)	9.31	9.31	9.31	9.31	9.31	9.31	9.21	9.41
Aroclor-1268-5	(5)	9.72	9.72	9.72	9.72	9.72	9.72	9.62	9.82

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene	4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

Calibration Times: 18:27 02:36

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

LAB FILE ID: RT 1000 = PO107184.D RT 750 = PO107185.D

RT 500 = PO107186.D RT 250 = PO107187.D RT 050 = PO107188.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1016-2	(2)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1016-3	(3)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1016-4	(4)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1016-5	(5)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1260-1	(1)	6.21	6.21	6.21	6.21	6.21	6.21	6.11	6.31
Aroclor-1260-2	(2)	6.39	6.39	6.39	6.39	6.40	6.39	6.29	6.49
Aroclor-1260-3	(3)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1260-4	(4)	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aroclor-1260-5	(5)	7.26	7.26	7.26	7.26	7.26	7.26	7.16	7.36
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.64	3.64	3.65	3.64	3.64	3.64	3.54	3.74
Aroclor-1242-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1242-2	(2)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1242-3	(3)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1242-4	(4)	5.00	5.01	5.00	5.01	5.00	5.00	4.90	5.10
Aroclor-1242-5	(5)	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.64	3.64	3.64	3.65	3.64	3.64	3.54	3.74
Aroclor-1248-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1248-2	(2)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1248-3	(3)	5.00	5.00	5.00	5.00	5.00	5.00	4.90	5.10
Aroclor-1248-4	(4)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1248-5	(5)	5.57	5.57	5.57	5.57	5.57	5.57	5.47	5.67
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.64	3.64	3.64	3.64	3.64	3.64	3.54	3.74
Aroclor-1254-1	(1)	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Aroclor-1254-2	(2)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1254-3	(3)	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Aroclor-1254-4	(4)	6.30	6.30	6.30	6.31	6.30	6.30	6.20	6.40
Aroclor-1254-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.65	3.64	3.64	3.64	3.65	3.64	3.54	3.74
Aroclor-1268-1	(1)	7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
Aroclor-1268-2	(2)	7.61	7.61	7.61	7.61	7.61	7.61	7.51	7.71
Aroclor-1268-3	(3)	7.81	7.81	7.81	7.81	7.81	7.81	7.71	7.91
Aroclor-1268-4	(4)	8.10	8.10	8.10	8.10	8.10	8.10	8.00	8.20
Aroclor-1268-5	(5)	8.39	8.39	8.39	8.39	8.39	8.39	8.29	8.49

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene	3.65	3.64	3.65	3.64	3.65	3.65	3.55	3.75

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

Calibration Times: 18:27 02:36

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

LAB FILE ID: **CF 1000 =** PO107184.D **CF 750 =** PO107185.D

CF 500 = PO107186.D **CF 250 =** PO107187.D **CF 050 =** PO107188.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	252081604	261702867	271939076	291118488	272229420	269814291	5
Aroclor-1016-2	(2)	373760062	383028583	397887352	419075308	410673320	396884925	5
Aroclor-1016-3	(3)	234678633	244145249	256575754	276405664	244042480	251169556	6
Aroclor-1016-4	(4)	185622493	193848624	202963902	215081552	165543020	192611918	10
Aroclor-1016-5	(5)	176326470	182141932	191487930	203514892	159796500	182653545	9
Aroclor-1260-1	(1)	238480871	246497651	259155974	277220676	271587560	258588546	6
Aroclor-1260-2	(2)	243402558	251747185	264083512	284216460	272650860	263220115	6
Aroclor-1260-3	(3)	167353086	171560129	181491762	195138068	183182660	179745141	6
Aroclor-1260-4	(4)	162125557	166999933	175289716	187582032	185522120	175503872	6
Aroclor-1260-5	(5)	268686175	273623828	283035894	299271412	297351500	284393762	5
Decachlorobiphenyl		2362750210	2427138920	2496479000	2603827440	2376686800	2453376474	4
Tetrachloro-m-xylene		8902656430	9087809293	9285762860	9548006280	8745262400	9113899453	3
Aroclor-1242-1	(1)	207947063	205572916	222208808	238956456	243522880	223641625	8
Aroclor-1242-2	(2)	302439626	299949616	323550412	342804408	348858880	323520588	7
Aroclor-1242-3	(3)	191912697	193178427	209638152	224306728	225847640	208976729	8
Aroclor-1242-4	(4)	150447174	145338196	162797508	173135964	168308740	160005516	7
Aroclor-1242-5	(5)	141009343	143408436	153689098	164623016	179679780	156481935	10
Decachlorobiphenyl		2339420350	2427742867	2492700840	2551827400	2426410200	2447620331	3
Tetrachloro-m-xylene		8860043620	8651743680	9146784160	9504075440	9174828800	9067495140	4
Aroclor-1248-1	(1)	155913014	164800668	175191332	184609772	188867720	173876501	8
Aroclor-1248-2	(2)	222845576	238202488	253637968	270074056	280366620	253025342	9
Aroclor-1248-3	(3)	231904923	246233752	259706092	274388212	266197800	255686156	7
Aroclor-1248-4	(4)	237210289	246633865	260533272	272872732	271860120	257822056	6
Aroclor-1248-5	(5)	236273499	246591072	260733536	276314120	280304600	260043365	7
Decachlorobiphenyl		2339780580	2371533013	2504089680	2566158680	2396701200	2435652631	4
Tetrachloro-m-xylene		8719403610	9119992693	9358904180	9492784200	8995773400	9137371617	3
Aroclor-1254-1	(1)	246822697	256579683	264992242	286189960	289157060	268748328	7
Aroclor-1254-2	(2)	348120894	361641555	373031238	401237980	402995760	377405485	6
Aroclor-1254-3	(3)	336293322	345653409	355909306	378498460	372630440	357796987	5
Aroclor-1254-4	(4)	213138598	220171503	227187688	242530220	244046960	229414994	6
Aroclor-1254-5	(5)	194609638	201069208	205869028	220139672	216546640	207646837	5
Decachlorobiphenyl		2357746210	2401897693	2508594000	2601578200	2359367400	2445836701	4
Tetrachloro-m-xylene		8883763230	9164627320	9184369060	9508828480	8791509400	9106619498	3
Aroclor-1268-1	(1)	351862425	352413819	364622844	381760528	369380480	364008019	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	313096403	314491445	324862806	339637696	320299560	322477582	3
Aroclor-1268-3	(3)	272236453	272760276	282620036	293538700	275661940	279363481	3
Aroclor-1268-4	(4)	112236308	111261111	114714594	116428084	101458340	111219687	5
Aroclor-1268-5	(5)	836674479	833098204	847063314	864357444	781067560	832452200	4
Decachlorobiphenyl		4074190590	4136234160	4241958160	4399826360	4004084600	4171258774	4
Tetrachloro-m-xylene		9139601460	8935957933	9311606620	9495189880	8951901000	9166851379	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

Calibration Times: 18:27 02:36

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

LAB FILE ID: CF 1000 = PO107184.D CF 750 = PO107185.D

CF 500 = PO107186.D CF 250 = PO107187.D CF 050 = PO107188.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	98519363	99934743	102532802	106601384	108740020	103265662	4
Aroclor-1016-2	(2)	140533795	142751421	144315942	146877552	130360060	140967754	5
Aroclor-1016-3	(3)	75819146	77111448	78799028	81783348	80215260	78745646	3
Aroclor-1016-4	(4)	61532960	63413097	65607722	69564368	70423600	66108349	6
Aroclor-1016-5	(5)	78878086	80970861	83522668	86940988	80356660	82133853	4
Aroclor-1260-1	(1)	150450531	152030172	155131756	161942364	156218200	155154605	3
Aroclor-1260-2	(2)	173752920	181526657	184104290	189736236	151457920	176115605	8
Aroclor-1260-3	(3)	168454604	170292340	172108108	175991544	151894120	167748143	6
Aroclor-1260-4	(4)	143637024	144895129	147115166	150514212	137242140	144680734	3
Aroclor-1260-5	(5)	340738400	339782780	336796716	340391952	289493480	329440666	7
Decachlorobiphenyl		2730622670	2745732653	2784792900	2852828640	2594005000	2741596373	3
Tetrachloro-m-xylene		3312014480	3338472613	3349065240	3230716080	2862214000	3218496483	6
Aroclor-1242-1	(1)	80390662	80447493	83937762	87266896	86674240	83743411	4
Aroclor-1242-2	(2)	114487494	111266404	117741916	120667112	114031640	115638913	3
Aroclor-1242-3	(3)	61817452	60461905	64396992	66865868	63624080	63433259	4
Aroclor-1242-4	(4)	60582529	60636219	64384594	68045260	66598220	64049364	5
Aroclor-1242-5	(5)	73763103	75675432	77215916	80736528	80226620	77523520	4
Decachlorobiphenyl		2686985320	2764418280	2764436780	2798541920	2665265400	2735929540	2
Tetrachloro-m-xylene		3315724680	3241948653	3341198040	3335574400	2920075400	3230904235	6
Aroclor-1248-1	(1)	60218805	63038185	64879120	66667236	62402400	63441149	4
Aroclor-1248-2	(2)	85173308	89108361	93061950	96541480	93540340	91485088	5
Aroclor-1248-3	(3)	89257070	93226611	97377878	100891904	96212540	95393201	5
Aroclor-1248-4	(4)	105934439	110533117	114760412	117772688	111691080	112138347	4
Aroclor-1248-5	(5)	102828085	105359652	109801380	114217964	119140640	110269544	6
Decachlorobiphenyl		2669365810	2682497173	2791873700	2836714480	2679938000	2732077833	3
Tetrachloro-m-xylene		3278417600	3389239440	3425836480	3362184040	2965722400	3284279992	6
Aroclor-1254-1	(1)	159855276	163854537	165548332	171717704	162964860	164788142	3
Aroclor-1254-2	(2)	138468840	142269335	144546922	151325972	148203140	144962842	3
Aroclor-1254-3	(3)	227061110	231385951	232213406	238575248	218867080	229620559	3
Aroclor-1254-4	(4)	128242906	130249965	131325350	135207044	122091880	129423429	4
Aroclor-1254-5	(5)	191904554	195153152	195378104	201188864	171636600	191052255	6
Decachlorobiphenyl		2726927150	2738190720	2773447120	2836815760	2598739800	2734824110	3
Tetrachloro-m-xylene		3347799560	3397335627	3354246660	3362236280	2930639600	3278451545	6
Aroclor-1268-1	(1)	419191400	409991492	413863584	410849472	368955300	404570250	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	389672996	380096764	383518208	378699872	334345600	373266688	6
Aroclor-1268-3	(3)	345284332	337828173	339535756	338755760	307004380	333681680	5
Aroclor-1268-4	(4)	129107993	127445005	127285362	129260796	113749480	125369727	5
Aroclor-1268-5	(5)	1049237500	1019311260	1017080130	996315476	856840280	987756929	8
Decachlorobiphenyl		4873889790	4739451973	4823511780	4890043960	4430545400	4751488581	4
Tetrachloro-m-xylene		3440286630	3329771373	3416104800	3331345720	2963806400	3296262985	6

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_O **Date(s) Analyzed:** 10/15/2024 10/16/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.57	4.47	4.67	110010000
		2	4.66	4.56	4.76	78836600
		3	4.73	4.63	4.83	234100000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.73	4.63	4.83	195844000
		2	5.26	5.16	5.36	103025000
		3	5.54	5.44	5.64	179001000
		4	5.70	5.60	5.80	90165400
		5	5.80	5.70	5.90	65903200
Aroclor-1262	500	1	7.74	7.64	7.84	245548000
		2	8.28	8.18	8.38	309420000
		3	8.59	8.49	8.69	209196000
		4	8.68	8.58	8.78	163066000
		5	9.32	9.22	9.42	102764000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_O **Date(s) Analyzed:** 10/15/2024 10/16/2024

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	3.86	3.76	3.96	34895600
		2	3.94	3.84	4.04	26624800
		3	4.02	3.92	4.12	81218600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.02	3.92	4.12	67327000
		2	4.75	4.65	4.85	63205200
		3	4.92	4.82	5.02	34475000
		4	5.00	4.90	5.10	31466000
		5	5.18	5.08	5.28	33083400
Aroclor-1262	500	1	6.76	6.66	6.86	212876000
		2	7.26	7.16	7.36	363332000
		3	7.54	7.44	7.64	137384000
		4	7.61	7.51	7.71	264574000
		5	8.10	8.00	8.20	112833000

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 09:00 **Initial Calibration Time(s):** 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.53	5.52	5.42	5.62	-0.01
Aroclor-1016-2	(2)	5.55	5.55	5.45	5.65	0.00
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.71	5.70	5.60	5.80	-0.01
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-2	(2)	7.39	7.38	7.28	7.48	-0.01
Aroclor-1260-3	(3)	7.75	7.74	7.64	7.84	-0.01
Aroclor-1260-4	(4)	7.98	7.97	7.87	8.07	-0.01
Aroclor-1260-5	(5)	8.29	8.28	8.18	8.38	-0.01
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.08	10.06	9.96	10.16	-0.02

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

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 09:00 **Initial Calibration Time(s):** 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.64	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/07/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107769.D **Time Analyzed:** 09:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.525	5.423	5.623	533.240	500.000	6.6
Aroclor-1016-2	5.547	5.445	5.645	524.920	500.000	5.0
Aroclor-1016-3	5.610	5.507	5.707	512.270	500.000	2.5
Aroclor-1016-4	5.707	5.604	5.804	536.660	500.000	7.3
Aroclor-1016-5	6.003	5.899	6.099	549.900	500.000	10.0
Aroclor-1260-1	7.133	7.026	7.226	569.760	500.000	14.0
Aroclor-1260-2	7.389	7.282	7.482	591.260	500.000	18.3
Aroclor-1260-3	7.752	7.643	7.843	572.350	500.000	14.5
Aroclor-1260-4	7.978	7.868	8.068	583.920	500.000	16.8
Aroclor-1260-5	8.293	8.181	8.381	596.880	500.000	19.4
Decachlorobiphenyl	10.079	9.958	10.158	51.570	50.000	3.1
Tetrachloro-m-xylene	4.373	4.274	4.474	54.530	50.000	9.1

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/07/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107769.D **Time Analyzed:** 09:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.723	4.626	4.826	561.030	500.000	12.2
Aroclor-1016-2	4.742	4.645	4.845	577.570	500.000	15.5
Aroclor-1016-3	4.919	4.821	5.021	552.200	500.000	10.4
Aroclor-1016-4	4.960	4.862	5.062	485.110	500.000	-3.0
Aroclor-1016-5	5.173	5.076	5.276	550.490	500.000	10.1
Aroclor-1260-1	6.203	6.107	6.307	559.730	500.000	11.9
Aroclor-1260-2	6.391	6.294	6.494	577.550	500.000	15.5
Aroclor-1260-3	6.545	6.448	6.648	543.970	500.000	8.8
Aroclor-1260-4	7.016	6.918	7.118	540.980	500.000	8.2
Aroclor-1260-5	7.257	7.159	7.359	574.450	500.000	14.9
Decachlorobiphenyl	8.638	8.539	8.739	56.920	50.000	13.8
Tetrachloro-m-xylene	3.643	3.545	3.745	57.040	50.000	14.1

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 16:52 **Initial Calibration Time(s):** 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.55	5.55	5.45	5.65	0.00
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.71	5.70	5.60	5.80	-0.01
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-2	(2)	7.39	7.38	7.28	7.48	-0.01
Aroclor-1260-3	(3)	7.75	7.74	7.64	7.84	-0.01
Aroclor-1260-4	(4)	7.98	7.97	7.87	8.07	-0.01
Aroclor-1260-5	(5)	8.29	8.28	8.18	8.38	-0.01
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.08	10.06	9.96	10.16	-0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 16:52 **Initial Calibration Time(s):** 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.64	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/07/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107784.D **Time Analyzed:** 16:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.524	5.423	5.623	465.890	500.000	-6.8
Aroclor-1016-2	5.546	5.445	5.645	452.740	500.000	-9.5
Aroclor-1016-3	5.610	5.507	5.707	444.240	500.000	-11.2
Aroclor-1016-4	5.706	5.604	5.804	472.470	500.000	-5.5
Aroclor-1016-5	6.002	5.899	6.099	494.720	500.000	-1.1
Aroclor-1260-1	7.132	7.026	7.226	469.850	500.000	-6.0
Aroclor-1260-2	7.389	7.282	7.482	493.320	500.000	-1.3
Aroclor-1260-3	7.752	7.643	7.843	493.890	500.000	-1.2
Aroclor-1260-4	7.977	7.868	8.068	522.330	500.000	4.5
Aroclor-1260-5	8.291	8.181	8.381	525.080	500.000	5.0
Decachlorobiphenyl	10.079	9.958	10.158	46.400	50.000	-7.2
Tetrachloro-m-xylene	4.372	4.274	4.474	56.540	50.000	13.1

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/07/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107784.D **Time Analyzed:** 16:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.723	4.626	4.826	572.960	500.000	14.6
Aroclor-1016-2	4.742	4.645	4.845	588.760	500.000	17.8
Aroclor-1016-3	4.918	4.821	5.021	566.130	500.000	13.2
Aroclor-1016-4	4.960	4.862	5.062	508.790	500.000	1.8
Aroclor-1016-5	5.173	5.076	5.276	562.090	500.000	12.4
Aroclor-1260-1	6.205	6.107	6.307	525.520	500.000	5.1
Aroclor-1260-2	6.392	6.294	6.494	543.960	500.000	8.8
Aroclor-1260-3	6.546	6.448	6.648	513.070	500.000	2.6
Aroclor-1260-4	7.017	6.918	7.118	479.570	500.000	-4.1
Aroclor-1260-5	7.258	7.159	7.359	492.600	500.000	-1.5
Decachlorobiphenyl	8.640	8.539	8.739	43.780	50.000	-12.4
Tetrachloro-m-xylene	3.642	3.545	3.745	57.900	50.000	15.8

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

Analytical Sequence

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Sta **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/15/2024 10/15/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/15/2024	18:08	PO107183.D	10.06	4.37
AR1660ICC1000	AR1660ICC1000	10/15/2024	18:27	PO107184.D	10.06	4.37
AR1660ICC750	AR1660ICC750	10/15/2024	18:45	PO107185.D	10.06	4.37
AR1660ICC500	AR1660ICC500	10/15/2024	19:03	PO107186.D	10.06	4.37
AR1660ICC250	AR1660ICC250	10/15/2024	19:21	PO107187.D	10.06	4.37
AR1660ICC050	AR1660ICC050	10/15/2024	19:39	PO107188.D	10.06	4.37
AR1221ICC500	AR1221ICC500	10/15/2024	19:57	PO107189.D	10.06	4.37
AR1232ICC500	AR1232ICC500	10/15/2024	20:15	PO107190.D	10.06	4.37
AR1242ICC1000	AR1242ICC1000	10/15/2024	20:34	PO107191.D	10.06	4.37
AR1242ICC750	AR1242ICC750	10/15/2024	20:52	PO107192.D	10.06	4.37
AR1242ICC500	AR1242ICC500	10/15/2024	21:10	PO107193.D	10.06	4.37
AR1242ICC250	AR1242ICC250	10/15/2024	21:28	PO107194.D	10.06	4.37
AR1242ICC050	AR1242ICC050	10/15/2024	21:46	PO107195.D	10.06	4.37
AR1248ICC1000	AR1248ICC1000	10/15/2024	22:04	PO107196.D	10.06	4.37
AR1248ICC750	AR1248ICC750	10/15/2024	22:22	PO107197.D	10.06	4.37
AR1248ICC500	AR1248ICC500	10/15/2024	22:41	PO107198.D	10.06	4.37
AR1248ICC250	AR1248ICC250	10/15/2024	22:59	PO107199.D	10.06	4.37
AR1248ICC050	AR1248ICC050	10/15/2024	23:17	PO107200.D	10.06	4.37
AR1254ICC1000	AR1254ICC1000	10/15/2024	23:35	PO107201.D	10.06	4.37
AR1254ICC750	AR1254ICC750	10/15/2024	23:53	PO107202.D	10.06	4.37
AR1254ICC500	AR1254ICC500	10/16/2024	00:11	PO107203.D	10.06	4.37
AR1254ICC250	AR1254ICC250	10/16/2024	00:29	PO107204.D	10.06	4.37
AR1254ICC050	AR1254ICC050	10/16/2024	00:47	PO107205.D	10.06	4.37
AR1262ICC500	AR1262ICC500	10/16/2024	01:05	PO107206.D	10.06	4.37
AR1268ICC1000	AR1268ICC1000	10/16/2024	01:23	PO107207.D	10.06	4.37
AR1268ICC750	AR1268ICC750	10/16/2024	01:41	PO107208.D	10.06	4.37
AR1268ICC500	AR1268ICC500	10/16/2024	01:59	PO107209.D	10.06	4.37
AR1268ICC250	AR1268ICC250	10/16/2024	02:18	PO107210.D	10.06	4.37
AR1268ICC050	AR1268ICC050	10/16/2024	02:36	PO107211.D	10.06	4.37
AR1660CCC500	AR1660CCC500	11/07/2024	09:00	PO107769.D	10.08	4.37
I.BLK	I.BLK	11/07/2024	10:06	PO107773.D	10.08	4.37
PB164748BL	PB164748BL	11/07/2024	12:54	PO107775.D	10.08	4.38
PB164748BS	PB164748BS	11/07/2024	13:10	PO107776.D	10.08	4.37
JC-701-COMP-01MS	P4720-01MS	11/07/2024	13:59	PO107779.D	10.08	4.37
JC-701-COMP-01MSD	P4720-01MSD	11/07/2024	14:15	PO107780.D	10.08	4.37
WC-1(0-6)	P4722-03	11/07/2024	14:31	PO107781.D	10.08	4.37
WC-2(0-6)	P4722-08	11/07/2024	14:47	PO107782.D	10.08	4.37
WC-3(0-6)	P4722-13	11/07/2024	15:04	PO107783.D	10.08	4.37
AR1660CCC500	AR1660CCC500	11/07/2024	16:52	PO107784.D	10.08	4.37
I.BLK	I.BLK	11/07/2024	17:56	PO107788.D	10.08	4.37

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

Analytical Sequence

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Sta **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/15/2024 10/15/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/15/2024	18:08	PO107183.D	8.64	3.64
AR1660ICC1000	AR1660ICC1000	10/15/2024	18:27	PO107184.D	8.64	3.64
AR1660ICC750	AR1660ICC750	10/15/2024	18:45	PO107185.D	8.64	3.64
AR1660ICC500	AR1660ICC500	10/15/2024	19:03	PO107186.D	8.64	3.65
AR1660ICC250	AR1660ICC250	10/15/2024	19:21	PO107187.D	8.64	3.64
AR1660ICC050	AR1660ICC050	10/15/2024	19:39	PO107188.D	8.64	3.64
AR1221ICC500	AR1221ICC500	10/15/2024	19:57	PO107189.D	8.64	3.64
AR1232ICC500	AR1232ICC500	10/15/2024	20:15	PO107190.D	8.64	3.64
AR1242ICC1000	AR1242ICC1000	10/15/2024	20:34	PO107191.D	8.64	3.64
AR1242ICC750	AR1242ICC750	10/15/2024	20:52	PO107192.D	8.64	3.64
AR1242ICC500	AR1242ICC500	10/15/2024	21:10	PO107193.D	8.64	3.64
AR1242ICC250	AR1242ICC250	10/15/2024	21:28	PO107194.D	8.64	3.65
AR1242ICC050	AR1242ICC050	10/15/2024	21:46	PO107195.D	8.64	3.64
AR1248ICC1000	AR1248ICC1000	10/15/2024	22:04	PO107196.D	8.64	3.64
AR1248ICC750	AR1248ICC750	10/15/2024	22:22	PO107197.D	8.64	3.64
AR1248ICC500	AR1248ICC500	10/15/2024	22:41	PO107198.D	8.64	3.64
AR1248ICC250	AR1248ICC250	10/15/2024	22:59	PO107199.D	8.64	3.64
AR1248ICC050	AR1248ICC050	10/15/2024	23:17	PO107200.D	8.64	3.64
AR1254ICC1000	AR1254ICC1000	10/15/2024	23:35	PO107201.D	8.64	3.65
AR1254ICC750	AR1254ICC750	10/15/2024	23:53	PO107202.D	8.64	3.64
AR1254ICC500	AR1254ICC500	10/16/2024	00:11	PO107203.D	8.64	3.64
AR1254ICC250	AR1254ICC250	10/16/2024	00:29	PO107204.D	8.64	3.64
AR1254ICC050	AR1254ICC050	10/16/2024	00:47	PO107205.D	8.64	3.65
AR1262ICC500	AR1262ICC500	10/16/2024	01:05	PO107206.D	8.64	3.64
AR1268ICC1000	AR1268ICC1000	10/16/2024	01:23	PO107207.D	8.64	3.65
AR1268ICC750	AR1268ICC750	10/16/2024	01:41	PO107208.D	8.64	3.64
AR1268ICC500	AR1268ICC500	10/16/2024	01:59	PO107209.D	8.64	3.65
AR1268ICC250	AR1268ICC250	10/16/2024	02:18	PO107210.D	8.64	3.64
AR1268ICC050	AR1268ICC050	10/16/2024	02:36	PO107211.D	8.64	3.65
AR1660CCC500	AR1660CCC500	11/07/2024	09:00	PO107769.D	8.64	3.64
I.BLK	I.BLK	11/07/2024	10:06	PO107773.D	8.64	3.64
PB164748BL	PB164748BL	11/07/2024	12:54	PO107775.D	8.64	3.64
PB164748BS	PB164748BS	11/07/2024	13:10	PO107776.D	8.64	3.64
JC-701-COMP-01MS	P4720-01MS	11/07/2024	13:59	PO107779.D	8.64	3.64
JC-701-COMP-01MSD	P4720-01MSD	11/07/2024	14:15	PO107780.D	8.64	3.64
WC-1(0-6)	P4722-03	11/07/2024	14:31	PO107781.D	8.64	3.64
WC-2(0-6)	P4722-08	11/07/2024	14:47	PO107782.D	8.64	3.64
WC-3(0-6)	P4722-13	11/07/2024	15:04	PO107783.D	8.64	3.64
AR1660CCC500	AR1660CCC500	11/07/2024	16:52	PO107784.D	8.64	3.64
I.BLK	I.BLK	11/07/2024	17:56	PO107788.D	8.64	3.64

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:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164748BL	SDG No.:	P4722
Lab Sample ID:	PB164748BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107775.D	1	11/07/24 08:40	11/07/24 12:54	PB164748

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.40	U	3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	2.90	U	2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.0		32 - 144	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.9		32 - 175	110%	SPK: 20

Comments:

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	10/15/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	10/15/24
Client Sample ID:	PIBLK-PO107183.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PO107183.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107183.D	1		10/15/24	po101524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.1		60 - 140	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.8		60 - 140	114%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PIBLK-PO107773.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PO107773.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107773.D	1		11/07/24	PO110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.8		60 - 140	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.9		60 - 140	109%	SPK: 20

Comments:

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PIBLK-PO107788.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PO107788.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107788.D	1		11/07/24	PO110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.4		60 - 140	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.6		60 - 140	93%	SPK: 20

Comments:

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

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:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164748BS	SDG No.:	P4722
Lab Sample ID:	PB164748BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107776.D	1	11/07/24 08:40	11/07/24 13:10	PB164748

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	163		3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	167		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.3		32 - 144	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.2		32 - 175	116%	SPK: 20

Comments:

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

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

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	JC-701-COMP-01MS	SDG No.:	P4722
Lab Sample ID:	P4720-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.6 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107779.D	1	11/07/24 08:40	11/07/24 13:59	PB164748

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	203		3.70	18.7	ug/kg
11104-28-2	Aroclor-1221	7.10	U	7.10	18.7	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.7	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.7	ug/kg
12672-29-6	Aroclor-1248	8.70	U	8.70	18.7	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.7	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.7	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.7	ug/kg
11096-82-5	Aroclor-1260	232		3.20	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.1		32 - 144	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	29.5		32 - 175	148%	SPK: 20

Comments:

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

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

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	JC-701-COMP-01MSD	SDG No.:	P4722
Lab Sample ID:	P4720-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.6 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107780.D	1	11/07/24 08:40	11/07/24 14:15	PB164748

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	204		3.70	18.7	ug/kg
11104-28-2	Aroclor-1221	7.10	U	7.10	18.7	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.7	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.7	ug/kg
12672-29-6	Aroclor-1248	8.70	U	8.70	18.7	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.7	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.7	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.7	ug/kg
11096-82-5	Aroclor-1260	233		3.20	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.8		32 - 144	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	29.8		32 - 175	149%	SPK: 20

Comments:

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

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

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LAB CHRONICLE

OrderID:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-03	**WC-1(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Gasoline Range Organics	8015D			11/08/24	
			Herbicide	8151A		11/07/24	11/12/24	
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-03DL	**WC-1(0-6)DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-05	**WC-1(0-6)**	**WATER**			**11/05/24**			**11/05/24**
			SPLP Pesticide	8081B		11/10/24	11/11/24	
P4722-08	**WC-2(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Gasoline Range Organics	8015D			11/07/24	
			Herbicide	8151A		11/07/24	11/08/24	
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-08DL	**WC-2(0-6)DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-10	**WC-2(0-6)**	**WATER**			**11/05/24**			**11/05/24**
			SPLP Pesticide	8081B		11/10/24	11/11/24	
P4722-13	**WC-3(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Gasoline Range Organics	8015D			11/08/24	
			Herbicide	8151A		11/07/24	11/12/24	
			PCB	8082A		11/07/24	11/07/24	

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LAB CHRONICLE

			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-13DL	**WC-3(0-6)DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-15	**WC-3(0-6)**	**WATER**			**11/05/24**			**11/05/24**
			SPLP Pesticide	8081B		11/10/24	11/11/24	

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: P4722 **Order ID:** P4722

Client: Walsh Construction Company II, LLC **Project ID:** NYCDEP C547A - Shafts 17B-1 & 18B

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-03	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	93.8 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028438.D	1	11/07/24 10:33	11/12/24 05:23	PB164754

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.20	U	9.20	71.4	ug/Kg
120-36-5	DICHLORPROP	10.2	U	10.2	71.4	ug/Kg
94-75-7	2,4-D	12.9	U	12.9	71.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.0	U	10.0	71.4	ug/Kg
93-76-5	2,4,5-T	10.8	U	10.8	71.4	ug/Kg
94-82-6	2,4-DB	19.5	U	19.5	71.4	ug/Kg
88-85-7	DINOSEB	13.2	U	13.2	71.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	258		10 - 141	52%	SPK: 500

Comments:

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-08	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	90.1 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028370.D	1	11/07/24 10:33	11/08/24 20:58	PB164754

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.60	U	9.60	74.1	ug/Kg
120-36-5	DICHLORPROP	10.6	U	10.6	74.1	ug/Kg
94-75-7	2,4-D	13.4	U	13.4	74.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.4	U	10.4	74.1	ug/Kg
93-76-5	2,4,5-T	11.2	U	11.2	74.1	ug/Kg
94-82-6	2,4-DB	20.2	U	20.2	74.1	ug/Kg
88-85-7	DINOSEB	13.7	U	13.7	74.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	108		10 - 141	22%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-13	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	86.6 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028439.D	1	11/07/24 10:33	11/12/24 05:47	PB164754

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	10.0	U	10.0	77.2	ug/Kg
120-36-5	DICHLORPROP	11.0	U	11.0	77.2	ug/Kg
94-75-7	2,4-D	13.9	U	13.9	77.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.8	U	10.8	77.2	ug/Kg
93-76-5	2,4,5-T	11.6	U	11.6	77.2	ug/Kg
94-82-6	2,4-DB	21.1	U	21.1	77.2	ug/Kg
88-85-7	DINOSEB	14.3	U	14.3	77.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	323		10 - 141	65%	SPK: 500

Comments:

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

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

QC SUMMARY

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Surrogate Summary

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PS028355.D	PIBLK-PS028355.D	2,4-DCAA	1	500	501	100		39	175
		2,4-DCAA	2	500	503	101		39	175
I.BLK-PS028362.D	PIBLK-PS028362.D	2,4-DCAA	1	500	491	98		39	175
		2,4-DCAA	2	500	493	99		39	175
PB164754BL	PB164754BL	2,4-DCAA	1	500	494	99		10	141
		2,4-DCAA	2	500	469	94		10	141
PB164754BS	PB164754BS	2,4-DCAA	1	500	534	107		10	141
		2,4-DCAA	2	500	533	107		10	141
P4722-08	WC-2(0-6)	2,4-DCAA	1	500	108	22		10	141
		2,4-DCAA	2	500	88.5	18		10	141
P4739-01MS	TP-14MS	2,4-DCAA	1	500	237	47		10	141
		2,4-DCAA	2	500	199	40		10	141
P4739-01MSD	TP-14MSD	2,4-DCAA	1	500	232	46		10	141
		2,4-DCAA	2	500	196	39		10	141
I.BLK-PS028378.D	PIBLK-PS028378.D	2,4-DCAA	1	500	494	99		39	175
		2,4-DCAA	2	500	487	97		39	175
I.BLK-PS028429.D	PIBLK-PS028429.D	2,4-DCAA	1	500	508	102		39	175
		2,4-DCAA	2	500	461	92		39	175
P4722-03	WC-1(0-6)	2,4-DCAA	1	500	258	52		10	141
		2,4-DCAA	2	500	217	43		10	141
P4722-13	WC-3(0-6)	2,4-DCAA	1	500	323	65		10	141
		2,4-DCAA	2	500	270	54		10	141
I.BLK-PS028441.D	PIBLK-PS028441.D	2,4-DCAA	1	500	509	102		39	175
		2,4-DCAA	2	500	455	91		39	175

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8151A **DataFile :** PS028373.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**TP-14MS**											
P4739-01MS	DICAMBA	187.7	0	68.5	ug/Kg	36				10	112	
	DICHLORPROP	187.7	0	40.4	ug/Kg	22				10	113	
	2,4-D	187.7	0	72.7	ug/Kg	39				10	144	
	2,4,5-TP(Silvex)	187.7	0	27.4	ug/Kg	15				10	114	
	2,4,5-T	187.7	0	37.0	ug/Kg	20				10	115	
	2,4-DB	187.7	0	27.6	ug/Kg	15				10	140	
	Dinoseb	187.7	0	14.2	ug/Kg	8	*			10	118	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8151A **DataFile :** PS028374.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**TP-14MSD**											
P4739-01MSD	DICAMBA	187.8	0	67.7	ug/Kg	36		0		10	112	20
	DICHLORPROP	187.8	0	39.6	ug/Kg	21		5		10	113	20
	2,4-D	187.8	0	71.0	ug/Kg	38		3		10	144	20
	2,4,5-TP(Silvex)	187.8	0	26.6	ug/Kg	14		7		10	114	20
	2,4,5-T	187.8	0	36.3	ug/Kg	19		5		10	115	20
	2,4-DB	187.8	0	26.9	ug/Kg	14		7		10	140	20
	Dinoseb	187.8	0	15.0	ug/Kg	8	*	0		10	118	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8151A **Datafile :** PS028368.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164754BS	DICAMBA	166.6	170	ug/Kg	102				72	129	
	DICHLORPROP	166.6	170	ug/Kg	102				77	135	
	2,4-D	166.6	169	ug/Kg	101				65	144	
	2,4,5-TP(Silvex)	166.6	173	ug/Kg	104				74	146	
	2,4,5-T	166.6	173	ug/Kg	104				77	134	
	2,4-DB	166.6	168	ug/Kg	101				72	122	
	Dinoseb	166.6	167	ug/Kg	100				74	132	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164754BL

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab Sample ID: PB164754BL Lab File ID: PS028367.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 11/07/2024

Date Analyzed (1): 11/08/2024 Date Analyzed (2): 11/08/2024

Time Analyzed (1): 19:46 Time Analyzed (2): 19:46

Instrument ID (1): ECD_S Instrument ID (2): ECD_S

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLP2 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
PB164754BS	PB164754BS	PS028368.D	11/08/2024	11/08/2024
WC-2(0-6)	P4722-08	PS028370.D	11/08/2024	11/08/2024
TP-14MS	P4739-01MS	PS028373.D	11/08/2024	11/08/2024
TP-14MSD	P4739-01MSD	PS028374.D	11/08/2024	11/08/2024
WC-1(0-6)	P4722-03	PS028438.D	11/12/2024	11/12/2024
WC-3(0-6)	P4722-13	PS028439.D	11/12/2024	11/12/2024

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164754BL	SDG No.:	P4722
Lab Sample ID:	PB164754BL	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028367.D	1	11/07/24 10:33	11/08/24 19:46	PB164754

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.70	U	8.70	66.9	ug/Kg
120-36-5	DICHLORPROP	9.50	U	9.50	66.9	ug/Kg
94-75-7	2,4-D	12.1	U	12.1	66.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.40	U	9.40	66.9	ug/Kg
93-76-5	2,4,5-T	10.1	U	10.1	66.9	ug/Kg
94-82-6	2,4-DB	18.3	U	18.3	66.9	ug/Kg
88-85-7	DINOSEB	12.4	U	12.4	66.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	494		10 - 141	99%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/08/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/08/24
Client Sample ID:	PIBLK-PS028355.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PS028355.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028355.D	1		11/08/24	PS110924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.42	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	0.43	U	0.43	2.00	ug/L
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	0.50	U	0.50	2.00	ug/L
94-82-6	2,4-DB	0.57	U	0.57	2.00	ug/L
88-85-7	DINOSEB	0.55	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	503		39 - 175	101%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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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
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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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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/08/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/08/24
Client Sample ID:	PIBLK-PS028362.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PS028362.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028362.D	1		11/08/24	PS110924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.42	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	0.43	U	0.43	2.00	ug/L
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	0.50	U	0.50	2.00	ug/L
94-82-6	2,4-DB	0.57	U	0.57	2.00	ug/L
88-85-7	DINOSEB	0.55	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	493		39 - 175	99%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/09/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/09/24
Client Sample ID:	PIBLK-PS028378.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PS028378.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028378.D	1		11/09/24	PS110924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.42	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	0.43	U	0.43	2.00	ug/L
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	0.50	U	0.50	2.00	ug/L
94-82-6	2,4-DB	0.57	U	0.57	2.00	ug/L
88-85-7	DINOSEB	0.55	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	494		39 - 175	99%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
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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:	Walsh Construction Company II, LLC	Date Collected:	11/12/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/12/24
Client Sample ID:	PIBLK-PS028429.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PS028429.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028429.D	1		11/12/24	ps111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.42	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	0.43	U	0.43	2.00	ug/L
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	0.50	U	0.50	2.00	ug/L
94-82-6	2,4-DB	0.57	U	0.57	2.00	ug/L
88-85-7	DINOSEB	0.55	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	508		39 - 175	102%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/12/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/12/24
Client Sample ID:	PIBLK-PS028441.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PS028441.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028441.D	1		11/12/24	PS111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.42	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	0.43	U	0.43	2.00	ug/L
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	0.50	U	0.50	2.00	ug/L
94-82-6	2,4-DB	0.57	U	0.57	2.00	ug/L
88-85-7	DINOSEB	0.55	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	509		39 - 175	102%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164754BS	SDG No.:	P4722
Lab Sample ID:	PB164754BS	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028368.D	1	11/07/24 10:33	11/08/24 20:10	PB164754

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	170		8.70	67.0	ug/Kg
120-36-5	DICHLORPROP	170		9.50	67.0	ug/Kg
94-75-7	2,4-D	169		12.1	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	173		9.40	67.0	ug/Kg
93-76-5	2,4,5-T	173		10.1	67.0	ug/Kg
94-82-6	2,4-DB	168		18.3	67.0	ug/Kg
88-85-7	DINOSEB	167		12.4	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	534		10 - 141	107%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/06/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/06/24
Client Sample ID:	TP-14MS	SDG No.:	P4722
Lab Sample ID:	P4739-01MS	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	88.7 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028373.D	1	11/07/24 10:33	11/08/24 22:10	PB164754

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	68.5	J	9.80	75.5	ug/Kg
120-36-5	DICHLORPROP	40.4	J	10.7	75.5	ug/Kg
94-75-7	2,4-D	72.7	J	13.6	75.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	27.4	J	10.6	75.5	ug/Kg
93-76-5	2,4,5-T	37.0	J	11.4	75.5	ug/Kg
94-82-6	2,4-DB	27.6	J	20.6	75.5	ug/Kg
88-85-7	DINOSEB	14.2	J	14.0	75.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	237		10 - 141	47%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/06/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/06/24
Client Sample ID:	TP-14MSD	SDG No.:	P4722
Lab Sample ID:	P4739-01MSD	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	88.7 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028374.D	1	11/07/24 10:33	11/08/24 22:34	PB164754

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	67.7	J	9.80	75.5	ug/Kg
120-36-5	DICHLORPROP	39.6	J	10.7	75.5	ug/Kg
94-75-7	2,4-D	71.0	J	13.6	75.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	26.6	J	10.6	75.5	ug/Kg
93-76-5	2,4,5-T	36.3	J	11.4	75.5	ug/Kg
94-82-6	2,4-DB	26.9	J	20.6	75.5	ug/Kg
88-85-7	DINOSEB	15.0	J	14.0	75.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	232		10 - 141	46%	SPK: 500

Comments:

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

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

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_S **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 15:13 16:58

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS028356.D RT 500 = PS028357.D

RT 750 = PS028358.D RT 1000 = PS028359.D RT 1500 = PS028360.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.55	9.56	9.55	9.55	9.55	9.55	9.45	9.65
2,4,5-TP(Silvex)	9.26	9.26	9.26	9.26	9.26	9.26	9.16	9.36
2,4-D	8.38	8.38	8.38	8.38	8.38	8.38	8.28	8.48
2,4-DB	10.13	10.13	10.13	10.13	10.13	10.13	10.03	10.23
2,4-DCAA	7.25	7.25	7.25	7.25	7.25	7.25	7.15	7.35
DICAMBA	7.44	7.44	7.44	7.44	7.44	7.44	7.34	7.54
DICHLORPROP	8.15	8.15	8.15	8.15	8.15	8.15	8.05	8.25
Dinoseb	11.35	11.35	11.35	11.35	11.35	11.35	11.25	11.45

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_S **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 15:13 16:58

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS028356.D RT 500 = PS028357.D

RT 750 = PS028358.D RT 1000 = PS028359.D RT 1500 = PS028360.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	10.33	10.33	10.33	10.33	10.33	10.33	10.23	10.43
2,4,5-TP(Silvex)	9.91	9.91	9.91	9.91	9.91	9.91	9.81	10.01
2,4-D	9.01	9.00	9.01	9.01	9.01	9.00	8.90	9.10
2,4-DB	10.90	10.90	10.90	10.90	10.90	10.90	10.80	11.00
2,4-DCAA	7.76	7.75	7.76	7.76	7.76	7.75	7.65	7.85
DICAMBA	7.96	7.96	7.96	7.96	7.96	7.96	7.86	8.06
DICHLORPROP	8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Dinoseb	11.28	11.28	11.28	11.28	11.28	11.28	11.18	11.38

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_S **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 15:13 16:58

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS028356.D **CF 500 =** PS028357.D

CF 750 = PS028358.D **CF 1000 =** PS028359.D **CF 1500 =** PS028360.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	21529100000	19437000000	19525400000	18705500000	17708000000	19381000000	7
2,4,5-TP(Silvex)	21008200000	18982300000	19068100000	18267500000	17318700000	18929000000	7
2,4-D	3997770000	3571450000	3468690000	3334460000	3198650000	3514210000	9
2,4-DB	3352010000	3027230000	3093110000	3022410000	2959650000	3090880000	5
2,4-DCAA	3196830000	2740430000	2735520000	2619650000	2511350000	2760750000	9
DICAMBA	12975400000	11905100000	12166500000	11780900000	11375900000	12040700000	5
DICHLORPROP	3557350000	3056940000	3079000000	2957460000	2847450000	3099640000	9
Dinoseb	17552800000	16349100000	16308600000	15784700000	15071600000	16213400000	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_S **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 15:13 16:58

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS028356.D **CF 500 =** PS028357.D

CF 750 = PS028358.D **CF 1000 =** PS028359.D **CF 1500 =** PS028360.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	10782600000	10407300000	10530200000	10245600000	9914510000	10376000000	3
2,4,5-TP(Silvex)	10970300000	10612300000	10768700000	10478800000	10130800000	10592200000	3
2,4-D	2051780000	1901200000	1935300000	1900220000	1880580000	1933820000	4
2,4-DB	1351580000	1287180000	1335670000	1323760000	1328210000	1325280000	2
2,4-DCAA	1694540000	1575990000	1595150000	1561040000	1540400000	1593420000	4
DICAMBA	7032650000	7044480000	7350350000	7249840000	7170240000	7169510000	2
DICHLORPROP	1864120000	1759800000	1788540000	1754780000	1739090000	1781270000	3
Dinoseb	7376340000	7195700000	7257020000	7126590000	6931080000	7177340000	2

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/08/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 18:10 **Initial Calibration Time(s):** 15:13 16:58

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.44	7.44	7.34	7.54	0.00
2,4-DCAA	7.25	7.25	7.15	7.35	0.00
DICHLORPROP	8.15	8.15	8.05	8.25	0.00
2,4-D	8.38	8.38	8.28	8.48	0.00
2,4,5-TP(Silvex)	9.26	9.26	9.16	9.36	0.00
2,4,5-T	9.55	9.55	9.45	9.65	0.00
2,4-DB	10.13	10.13	10.03	10.23	0.00
Dinoseb	11.34	11.35	11.25	11.45	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/08/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 18:10 **Initial Calibration Time(s):** 15:13 16:58

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.96	7.96	7.86	8.06	0.01
2,4-DCAA	7.75	7.76	7.66	7.86	0.01
DICHLORPROP	8.67	8.67	8.57	8.77	0.00
2,4-D	9.00	9.01	8.91	9.11	0.01
2,4,5-TP(Silvex)	9.91	9.91	9.81	10.01	0.00
2,4,5-T	10.33	10.33	10.23	10.43	0.00
2,4-DB	10.90	10.90	10.80	11.00	0.00
Dinoseb	11.28	11.28	11.18	11.38	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/08/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028363.D **Time Analyzed:** 18:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.552	9.452	9.652	708.290	712.500	-0.6
2,4,5-TP(Silvex)	9.260	9.160	9.360	708.980	712.500	-0.5
2,4-D	8.378	8.279	8.479	688.020	705.000	-2.4
2,4-DB	10.129	10.029	10.229	704.320	712.500	-1.1
2,4-DCAA	7.249	7.150	7.350	734.280	750.000	-2.1
DICAMBA	7.438	7.338	7.538	704.230	705.000	-0.1
DICHLORPROP	8.148	8.048	8.248	693.130	705.000	-1.7
Dinoseb	11.344	11.245	11.445	685.490	705.000	-2.8

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/08/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028363.D **Time Analyzed:** 18:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.332	10.233	10.433	707.880	712.500	-0.6
2,4,5-TP(Silvex)	9.911	9.811	10.011	707.720	712.500	-0.7
2,4-D	9.004	8.905	9.105	693.210	705.000	-1.7
2,4-DB	10.900	10.800	11.000	705.100	712.500	-1.0
2,4-DCAA	7.754	7.655	7.855	740.460	750.000	-1.3
DICAMBA	7.955	7.856	8.056	710.900	705.000	0.8
DICHLORPROP	8.672	8.573	8.773	696.240	705.000	-1.2
Dinoseb	11.279	11.180	11.380	682.790	705.000	-3.2

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/09/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 00:34 **Initial Calibration Time(s):** 15:13 16:58

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.44	7.44	7.34	7.54	0.00
2,4-DCAA	7.25	7.25	7.15	7.35	0.00
DICHLORPROP	8.15	8.15	8.05	8.25	0.00
2,4-D	8.38	8.38	8.28	8.48	0.00
2,4,5-TP(Silvex)	9.26	9.26	9.16	9.36	0.00
2,4,5-T	9.55	9.55	9.45	9.65	0.00
2,4-DB	10.13	10.13	10.03	10.23	0.00
Dinoseb	11.34	11.35	11.25	11.45	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/09/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 00:34 **Initial Calibration Time(s):** 15:13 16:58

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.95	7.96	7.86	8.06	0.01
2,4-DCAA	7.75	7.76	7.66	7.86	0.01
DICHLORPROP	8.67	8.67	8.57	8.77	0.00
2,4-D	9.00	9.01	8.91	9.11	0.01
2,4,5-TP(Silvex)	9.91	9.91	9.81	10.01	0.00
2,4,5-T	10.33	10.33	10.23	10.43	0.00
2,4-DB	10.90	10.90	10.80	11.00	0.00
Dinoseb	11.28	11.28	11.18	11.38	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/09/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028379.D **Time Analyzed:** 00:34

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.550	9.452	9.652	703.660	712.500	-1.2
2,4,5-TP(Silvex)	9.257	9.160	9.360	705.350	712.500	-1.0
2,4-D	8.376	8.279	8.479	683.840	705.000	-3.0
2,4-DB	10.126	10.029	10.229	689.080	712.500	-3.3
2,4-DCAA	7.247	7.150	7.350	729.100	750.000	-2.8
DICAMBA	7.436	7.338	7.538	700.700	705.000	-0.6
DICHLORPROP	8.145	8.048	8.248	689.680	705.000	-2.2
Dinoseb	11.341	11.245	11.445	684.820	705.000	-2.9

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/09/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028379.D **Time Analyzed:** 00:34

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.329	10.233	10.433	699.380	712.500	-1.8
2,4,5-TP(Silvex)	9.909	9.811	10.011	696.990	712.500	-2.2
2,4-D	9.002	8.905	9.105	674.630	705.000	-4.3
2,4-DB	10.897	10.800	11.000	688.400	712.500	-3.4
2,4-DCAA	7.753	7.655	7.855	729.560	750.000	-2.7
DICAMBA	7.954	7.856	8.056	698.730	705.000	-0.9
DICHLORPROP	8.671	8.573	8.773	682.450	705.000	-3.2
Dinoseb	11.277	11.180	11.380	675.370	705.000	-4.2

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/12/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 02:11 **Initial Calibration Time(s):** 15:13 16:58

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.43	7.44	7.34	7.54	0.01
2,4-DCAA	7.24	7.25	7.15	7.35	0.01
DICHLORPROP	8.14	8.15	8.05	8.25	0.01
2,4-D	8.37	8.38	8.28	8.48	0.01
2,4,5-TP(Silvex)	9.25	9.26	9.16	9.36	0.01
2,4,5-T	9.55	9.55	9.45	9.65	0.00
2,4-DB	10.12	10.13	10.03	10.23	0.01
Dinoseb	11.34	11.35	11.25	11.45	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/12/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 02:11 **Initial Calibration Time(s):** 15:13 16:58

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.95	7.96	7.86	8.06	0.01
2,4-DCAA	7.75	7.76	7.66	7.86	0.01
DICHLORPROP	8.67	8.67	8.57	8.77	0.00
2,4-D	9.00	9.01	8.91	9.11	0.01
2,4,5-TP(Silvex)	9.91	9.91	9.81	10.01	0.00
2,4,5-T	10.33	10.33	10.23	10.43	0.00
2,4-DB	10.89	10.90	10.80	11.00	0.01
Dinoseb	11.27	11.28	11.18	11.38	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL03 **Date Analyzed:** 11/12/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028430.D **Time Analyzed:** 02:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.545	9.452	9.652	724.840	712.500	1.7
2,4,5-TP(Silvex)	9.252	9.160	9.360	724.670	712.500	1.7
2,4-D	8.373	8.279	8.479	704.430	705.000	-0.1
2,4-DB	10.121	10.029	10.229	680.020	712.500	-4.6
2,4-DCAA	7.244	7.150	7.350	745.790	750.000	-0.6
DICAMBA	7.432	7.338	7.538	720.640	705.000	2.2
DICHLORPROP	8.141	8.048	8.248	709.240	705.000	0.6
Dinoseb	11.335	11.245	11.445	713.990	705.000	1.3

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL03 **Date Analyzed:** 11/12/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028430.D **Time Analyzed:** 02:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.326	10.233	10.433	666.200	712.500	-6.5
2,4,5-TP(Silvex)	9.906	9.811	10.011	665.210	712.500	-6.6
2,4-D	8.999	8.905	9.105	614.680	705.000	-12.8
2,4-DB	10.894	10.800	11.000	644.510	712.500	-9.5
2,4-DCAA	7.750	7.655	7.855	684.690	750.000	-8.7
DICAMBA	7.951	7.856	8.056	662.040	705.000	-6.1
DICHLORPROP	8.668	8.573	8.773	643.140	705.000	-8.8
Dinoseb	11.274	11.180	11.380	655.310	705.000	-7.0

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/12/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 06:59 **Initial Calibration Time(s):** 15:13 16:58

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.43	7.44	7.34	7.54	0.01
2,4-DCAA	7.24	7.25	7.15	7.35	0.01
DICHLORPROP	8.14	8.15	8.05	8.25	0.01
2,4-D	8.37	8.38	8.28	8.48	0.01
2,4,5-TP(Silvex)	9.25	9.26	9.16	9.36	0.01
2,4,5-T	9.54	9.55	9.45	9.65	0.01
2,4-DB	10.12	10.13	10.03	10.23	0.01
Dinoseb	11.33	11.35	11.25	11.45	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/12/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 06:59 **Initial Calibration Time(s):** 15:13 16:58

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.95	7.96	7.86	8.06	0.01
2,4-DCAA	7.75	7.76	7.66	7.86	0.01
DICHLORPROP	8.67	8.67	8.57	8.77	0.01
2,4-D	9.00	9.01	8.91	9.11	0.02
2,4,5-TP(Silvex)	9.90	9.91	9.81	10.01	0.01
2,4,5-T	10.32	10.33	10.23	10.43	0.01
2,4-DB	10.89	10.90	10.80	11.00	0.01
Dinoseb	11.27	11.28	11.18	11.38	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL04 **Date Analyzed:** 11/12/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028442.D **Time Analyzed:** 06:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.542	9.452	9.652	726.580	712.500	2.0
2,4,5-TP(Silvex)	9.249	9.160	9.360	728.750	712.500	2.3
2,4-D	8.370	8.279	8.479	705.610	705.000	0.1
2,4-DB	10.118	10.029	10.229	661.620	712.500	-7.1
2,4-DCAA	7.242	7.150	7.350	746.620	750.000	-0.5
DICAMBA	7.430	7.338	7.538	722.500	705.000	2.5
DICHLORPROP	8.139	8.048	8.248	709.750	705.000	0.7
Dinoseb	11.332	11.245	11.445	716.220	705.000	1.6

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL04 **Date Analyzed:** 11/12/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028442.D **Time Analyzed:** 06:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.323	10.233	10.433	659.950	712.500	-7.4
2,4,5-TP(Silvex)	9.902	9.811	10.011	654.880	712.500	-8.1
2,4-D	8.995	8.905	9.105	653.430	705.000	-7.3
2,4-DB	10.890	10.800	11.000	646.400	712.500	-9.3
2,4-DCAA	7.748	7.655	7.855	679.110	750.000	-9.5
DICAMBA	7.949	7.856	8.056	655.240	705.000	-7.1
DICHLORPROP	8.665	8.573	8.773	631.600	705.000	-10.4
Dinoseb	11.270	11.180	11.380	647.110	705.000	-8.2

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Analytical Sequence

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Sta **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/08/2024 11/08/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	11/08/2024	14:25	PS028355.D	7.25	0.00
HSTDICC200	HSTDICC200	11/08/2024	15:13	PS028356.D	7.25	0.00
HSTDICC500	HSTDICC500	11/08/2024	15:46	PS028357.D	7.25	0.00
HSTDICC750	HSTDICC750	11/08/2024	16:10	PS028358.D	7.25	0.00
HSTDICC1000	HSTDICC1000	11/08/2024	16:34	PS028359.D	7.25	0.00
HSTDICC1500	HSTDICC1500	11/08/2024	16:58	PS028360.D	7.25	0.00
I.BLK	I.BLK	11/08/2024	17:46	PS028362.D	7.25	0.00
HSTDCCC750	HSTDCCC750	11/08/2024	18:10	PS028363.D	7.25	0.00
PB164754BL	PB164754BL	11/08/2024	19:46	PS028367.D	7.25	0.00
PB164754BS	PB164754BS	11/08/2024	20:10	PS028368.D	7.25	0.00
WC-2(0-6)	P4722-08	11/08/2024	20:58	PS028370.D	7.25	0.00
TP-14MS	P4739-01MS	11/08/2024	22:10	PS028373.D	7.25	0.00
TP-14MSD	P4739-01MSD	11/08/2024	22:34	PS028374.D	7.25	0.00
I.BLK	I.BLK	11/09/2024	00:10	PS028378.D	7.25	0.00
HSTDCCC750	HSTDCCC750	11/09/2024	00:34	PS028379.D	7.25	0.00
I.BLK	I.BLK	11/12/2024	01:47	PS028429.D	7.24	0.00
HSTDCCC750	HSTDCCC750	11/12/2024	02:11	PS028430.D	7.24	0.00
WC-1(0-6)	P4722-03	11/12/2024	05:23	PS028438.D	7.24	0.00
WC-3(0-6)	P4722-13	11/12/2024	05:47	PS028439.D	7.24	0.00
I.BLK	I.BLK	11/12/2024	06:35	PS028441.D	7.24	0.00
HSTDCCC750	HSTDCCC750	11/12/2024	06:59	PS028442.D	7.24	0.00

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Analytical Sequence

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Sta **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/08/2024 11/08/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	11/08/2024	14:25	PS028355.D	7.76	0.00
HSTDICC200	HSTDICC200	11/08/2024	15:13	PS028356.D	7.76	0.00
HSTDICC500	HSTDICC500	11/08/2024	15:46	PS028357.D	7.75	0.00
HSTDICC750	HSTDICC750	11/08/2024	16:10	PS028358.D	7.76	0.00
HSTDICC1000	HSTDICC1000	11/08/2024	16:34	PS028359.D	7.76	0.00
HSTDICC1500	HSTDICC1500	11/08/2024	16:58	PS028360.D	7.76	0.00
I.BLK	I.BLK	11/08/2024	17:46	PS028362.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/08/2024	18:10	PS028363.D	7.75	0.00
PB164754BL	PB164754BL	11/08/2024	19:46	PS028367.D	7.75	0.00
PB164754BS	PB164754BS	11/08/2024	20:10	PS028368.D	7.75	0.00
WC-2(0-6)	P4722-08	11/08/2024	20:58	PS028370.D	7.75	0.00
TP-14MS	P4739-01MS	11/08/2024	22:10	PS028373.D	7.75	0.00
TP-14MSD	P4739-01MSD	11/08/2024	22:34	PS028374.D	7.75	0.00
I.BLK	I.BLK	11/09/2024	00:10	PS028378.D	7.75	0.00
HSTDCCC750	HSTDCCC750	11/09/2024	00:34	PS028379.D	7.75	0.00
I.BLK	I.BLK	11/12/2024	01:47	PS028429.D	7.75	0.00
HSTDCCC750	HSTDCCC750	11/12/2024	02:11	PS028430.D	7.75	0.00
WC-1(0-6)	P4722-03	11/12/2024	05:23	PS028438.D	7.75	0.00
WC-3(0-6)	P4722-13	11/12/2024	05:47	PS028439.D	7.75	0.00
I.BLK	I.BLK	11/12/2024	06:35	PS028441.D	7.75	0.00
HSTDCCC750	HSTDCCC750	11/12/2024	06:59	PS028442.D	7.75	0.00

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PB164754BS

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: PB164754BS **Date(s) Analyzed:** 11/08/2024 11/08/2024

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

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
DICHLORPROP	1	8.15	8.10	8.20	170	1.8
	2	8.67	8.62	8.72	167	
2,4-D	1	8.38	8.33	8.43	169	1.2
	2	9.00	8.95	9.05	167	
2,4,5-TP(Silvex)	1	9.26	9.21	9.31	173	1.7
	2	9.91	9.86	9.96	170	
2,4,5-T	1	9.55	9.50	9.60	173	1.7
	2	10.33	10.28	10.38	170	
2,4-DB	1	10.13	10.08	10.18	168	1.2
	2	10.90	10.85	10.95	166	
Dinoseb	1	11.34	11.29	11.39	167	1.2
	2	11.28	11.23	11.33	165	
DICAMBA	1	7.44	7.39	7.49	170	1.2
	2	7.96	7.91	8.01	168	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-14MS

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4739-01MS **Date(s) Analyzed:** 11/08/2024 11/08/2024

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

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
DICHLORPROP	1	8.15	8.10	8.20	40.4	8.2
	2	8.67	8.62	8.72	37.2	
2,4-D	1	8.38	8.33	8.43	72.7	5.2
	2	9.00	8.95	9.05	69.0	
2,4,5-TP(Silvex)	1	9.26	9.21	9.31	25.6	6.8
	2	9.91	9.86	9.96	27.4	
2,4,5-T	1	9.55	9.50	9.60	37.0	1.4
	2	10.33	10.28	10.38	36.5	
2,4-DB	1	10.13	10.08	10.18	27.6	21.2
	2	10.90	10.85	10.95	22.3	
DICAMBA	1	7.44	7.39	7.49	68.5	5.2
	2	7.95	7.90	8.00	65.0	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-14MSD

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4739-01MSD **Date(s) Analyzed:** 11/08/2024 11/08/2024

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

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
DICHLORPROP	1	8.15	8.10	8.20	39.6	8.7
	2	8.67	8.62	8.72	36.3	
2,4-D	1	8.38	8.33	8.43	71.0	4.2
	2	9.00	8.95	9.05	68.1	
2,4,5-TP(Silvex)	1	9.26	9.21	9.31	25.0	6.2
	2	9.91	9.86	9.96	26.6	
2,4,5-T	1	9.55	9.50	9.60	36.3	1.1
	2	10.33	10.28	10.38	35.9	
2,4-DB	1	10.13	10.08	10.18	26.9	18.3
	2	10.90	10.85	10.95	22.4	
DICAMBA	1	7.44	7.39	7.49	67.7	5.3
	2	7.96	7.91	8.01	64.2	

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LAB CHRONICLE

OrderID:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-03	**WC-1(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Gasoline Range Organics	8015D			11/08/24	
			Herbicide	8151A		11/07/24	11/12/24	
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-03DL	**WC-1(0-6)DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-04	**WC-1(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP Herbicide	8151A		11/10/24	11/12/24	
			TCLP Pesticide	8081B		11/10/24	11/11/24	
P4722-05	**WC-1(0-6)**	**WATER**			**11/05/24**			**11/05/24**
			SPLP Pesticide	8081B		11/10/24	11/11/24	
P4722-08	**WC-2(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Gasoline Range Organics	8015D			11/07/24	
			Herbicide	8151A		11/07/24	11/08/24	
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-08DL	**WC-2(0-6)DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-09	**WC-2(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP Herbicide	8151A		11/10/24	11/12/24	
			TCLP Pesticide	8081B		11/10/24	11/11/24	

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LAB CHRONICLE

P4722-10	**WC-2(0-6)**	**WATER**			**11/05/24**		**11/05/24**
			SPLP Pesticide	8081B		11/10/24 11/11/24	
P4722-13	**WC-3(0-6)**	**SOIL**			**11/05/24**		**11/05/24**
			Gasoline Range Organics	8015D		11/08/24	
			Herbicide	8151A		11/07/24 11/12/24	
			PCB	8082A		11/07/24 11/07/24	
			Pesticide-TCL	8081B		11/07/24 11/07/24	
			EPH_NF	NJEPH		11/07/24 11/07/24	
			EPH_NF	NJEPH		11/07/24 11/08/24	
P4722-13DL	**WC-3(0-6)DL**	**Solid**			**11/05/24**		**11/05/24**
			EPH_NF	NJEPH		11/07/24 11/08/24	
P4722-14	**WC-3(0-6)**	**TCLP**			**11/05/24**		**11/05/24**
			TCLP Herbicide	8151A		11/10/24 11/12/24	
			TCLP Pesticide	8081B		11/10/24 11/11/24	
P4722-15	**WC-3(0-6)**	**WATER**			**11/05/24**		**11/05/24**
			SPLP Pesticide	8081B		11/10/24 11/11/24	

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Hit Summary Sheet
SW-846

SDG No.: P4722 **Order ID:** P4722

Client: Walsh Construction Company II, LLC **Project ID:** NYCDEP C547A - Shafts 17B-1 & 18B

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-04	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028459.D	1	11/10/24 09:45	11/12/24 16:51	PB164850

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.90	U	4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	4.50	U	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	402		39 - 175	80%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-09	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028460.D	1	11/10/24 09:45	11/12/24 17:16	PB164850

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.90	U	4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	4.50	U	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	400		39 - 175	80%	SPK: 500

Comments:

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-14	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028461.D	1	11/10/24 09:45	11/12/24 17:41	PB164850

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.90	U	4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	4.50	U	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	444		39 - 175	89%	SPK: 500

Comments:

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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:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/10/24
Client Sample ID:	PB164694TB	SDG No.:	P4722
Lab Sample ID:	PB164694TB	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028454.D	1	11/10/24 09:45	11/12/24 14:49	PB164850

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.90	U	4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	4.50	U	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	351		39 - 175	70%	SPK: 500

Comments:

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

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

QC SUMMARY

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Surrogate Summary

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PS028355.D	PIBLK-PS028355.D	2,4-DCAA	1	500	501	100		39	175
		2,4-DCAA	2	500	503	101		39	175
I.BLK-PS028450.D	PIBLK-PS028450.D	2,4-DCAA	1	500	503	101		39	175
		2,4-DCAA	2	500	446	89		39	175
PB164850BL	PB164850BL	2,4-DCAA	1	500	484	97		39	175
		2,4-DCAA	2	500	408	82		39	175
PB164850BS	PB164850BS	2,4-DCAA	1	500	534	107		39	175
		2,4-DCAA	2	500	468	94		39	175
PB164694TB	PB164694TB	2,4-DCAA	1	500	351	70		39	175
		2,4-DCAA	2	500	283	57		39	175
P4718-03MS	WB-307-SB02MS	2,4-DCAA	1	500	363	73		39	175
		2,4-DCAA	2	500	282	56		39	175
P4718-03MSD	WB-307-SB02MSD	2,4-DCAA	1	500	366	73		39	175
		2,4-DCAA	2	500	282	56		39	175
P4722-04	WC-1(0-6)	2,4-DCAA	1	500	402	80		39	175
		2,4-DCAA	2	500	296	59		39	175
P4722-09	WC-2(0-6)	2,4-DCAA	1	500	400	80		39	175
		2,4-DCAA	2	500	287	57		39	175
P4722-14	WC-3(0-6)	2,4-DCAA	1	500	444	89		39	175
		2,4-DCAA	2	500	299	60		39	175
I.BLK-PS028462.D	PIBLK-PS028462.D	2,4-DCAA	1	500	497	99		39	175
		2,4-DCAA	2	500	444	89		39	175

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8151A **DataFile :** PS028457.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**WB-307-SB02MS**											
P4718-03MS	2,4-D	50	0	47.6	ug/L	95				65	135	
	2,4,5-TP(Silvex)	50	0	56.9	ug/L	114				62	139	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8151A **DataFile :** PS028458.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**WB-307-SB02MSD**											
P4718-03MSD	2,4-D	50	0	47.8	ug/L	96		1		65	135	20
	2,4,5-TP(Silvex)	50	0	58.6	ug/L	117		3		62	139	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8151A **Datafile :** PS028453.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164850BS	2,4-D	5	5.00	ug/L	100				83	130	
	2,4,5-TP(Silvex)	5	5.20	ug/L	104				78	127	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164850BL

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab Sample ID: PB164850BL Lab File ID: PS028452.D

Matrix: (soil/water) water Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 11/10/2024

Date Analyzed (1): 11/12/2024 Date Analyzed (2): 11/12/2024

Time Analyzed (1): 13:53 Time Analyzed (2): 13:53

Instrument ID (1): ECD_S Instrument ID (2): ECD_S

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLP2 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
PB164850BS	PB164850BS	PS028453.D	11/12/2024	11/12/2024
PB164694TB	PB164694TB	PS028454.D	11/12/2024	11/12/2024
WB-307-SB02MS	P4718-03MS	PS028457.D	11/12/2024	11/12/2024
WB-307-SB02MSD	P4718-03MSD	PS028458.D	11/12/2024	11/12/2024
WC-1(0-6)	P4722-04	PS028459.D	11/12/2024	11/12/2024
WC-2(0-6)	P4722-09	PS028460.D	11/12/2024	11/12/2024
WC-3(0-6)	P4722-14	PS028461.D	11/12/2024	11/12/2024

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164850BL	SDG No.:	P4722
Lab Sample ID:	PB164850BL	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028452.D	1	11/10/24 09:45	11/12/24 13:53	PB164850

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	484		39 - 175	97%	SPK: 500

Comments:

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/08/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/08/24
Client Sample ID:	PIBLK-PS028355.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PS028355.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028355.D	1		11/08/24	PS110924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	503		39 - 175	101%	SPK: 500

Comments:

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/12/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/12/24
Client Sample ID:	PIBLK-PS028450.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PS028450.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028450.D	1		11/12/24	PS111224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	503		39 - 175	101%	SPK: 500

Comments:

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/12/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/12/24
Client Sample ID:	PIBLK-PS028462.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PS028462.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028462.D	1		11/12/24	PS111224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	497		39 - 175	99%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164850BS	SDG No.:	P4722
Lab Sample ID:	PB164850BS	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028453.D	1	11/10/24 09:45	11/12/24 14:17	PB164850

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	5.00		0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.20		0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	534		39 - 175	107%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/04/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WB-307-SB02MS	SDG No.:	P4722
Lab Sample ID:	P4718-03MS	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028457.D	1	11/10/24 09:45	11/12/24 16:03	PB164850

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	47.6		4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	56.9		4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	363		39 - 175	73%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/04/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WB-307-SB02MSD	SDG No.:	P4722
Lab Sample ID:	P4718-03MSD	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028458.D	1	11/10/24 09:45	11/12/24 16:27	PB164850

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	47.8		4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	58.6		4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	366		39 - 175	73%	SPK: 500

Comments:

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

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

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_S **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 15:13 16:58

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS028356.D RT 500 = PS028357.D

RT 750 = PS028358.D RT 1000 = PS028359.D RT 1500 = PS028360.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-TP(Silvex)	9.26	9.26	9.26	9.26	9.26	9.26	9.16	9.36
2,4-D	8.38	8.38	8.38	8.38	8.38	8.38	8.28	8.48
2,4-DCAA	7.25	7.25	7.25	7.25	7.25	7.25	7.15	7.35

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_S **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 15:13 16:58

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS028356.D RT 500 = PS028357.D

RT 750 = PS028358.D RT 1000 = PS028359.D RT 1500 = PS028360.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-TP(Silvex)	9.91	9.91	9.91	9.91	9.91	9.91	9.81	10.01
2,4-D	9.01	9.00	9.01	9.01	9.01	9.00	8.90	9.10
2,4-DCAA	7.76	7.75	7.76	7.76	7.76	7.75	7.65	7.85

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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_S **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 15:13 16:58

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS028356.D **CF 500 =** PS028357.D

CF 750 = PS028358.D **CF 1000 =** PS028359.D **CF 1500 =** PS028360.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	21008200000	18982300000	19068100000	18267500000	17318700000	18929000000	7
2,4-D	3997770000	3571450000	3468690000	3334460000	3198650000	3514210000	9
2,4-DCAA	3196830000	2740430000	2735520000	2619650000	2511350000	2760750000	9

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_S **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 15:13 16:58

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS028356.D **CF 500 =** PS028357.D

CF 750 = PS028358.D **CF 1000 =** PS028359.D **CF 1500 =** PS028360.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	10970300000	10612300000	10768700000	10478800000	10130800000	10592200000	3
2,4-D	2051780000	1901200000	1935300000	1900220000	1880580000	1933820000	4
2,4-DCAA	1694540000	1575990000	1595150000	1561040000	1540400000	1593420000	4

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/12/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 13:25 **Initial Calibration Time(s):** 15:13 16:58

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.24	7.25	7.15	7.35	0.01
2,4-D	8.37	8.38	8.28	8.48	0.01
2,4,5-TP(Silvex)	9.25	9.26	9.16	9.36	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/12/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 13:25 **Initial Calibration Time(s):** 15:13 16:58

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.75	7.76	7.66	7.86	0.01
2,4-D	9.00	9.01	8.91	9.11	0.02
2,4,5-TP(Silvex)	9.90	9.91	9.81	10.01	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/12/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028451.D **Time Analyzed:** 13:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.254	9.160	9.360	735.550	712.500	3.2
2,4-D	8.374	8.279	8.479	712.300	705.000	1.0
2,4-DCAA	7.244	7.150	7.350	740.980	750.000	-1.2

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/12/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028451.D **Time Analyzed:** 13:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.902	9.811	10.011	664.220	712.500	-6.8
2,4-D	8.995	8.905	9.105	639.620	705.000	-9.3
2,4-DCAA	7.747	7.655	7.855	681.430	750.000	-9.1

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/12/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 18:29 **Initial Calibration Time(s):** 15:13 16:58

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.24	7.25	7.15	7.35	0.01
2,4-D	8.37	8.38	8.28	8.48	0.01
2,4,5-TP(Silvex)	9.25	9.26	9.16	9.36	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/12/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 18:29 **Initial Calibration Time(s):** 15:13 16:58

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.75	7.76	7.66	7.86	0.01
2,4-D	8.99	9.01	8.91	9.11	0.02
2,4,5-TP(Silvex)	9.90	9.91	9.81	10.01	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/12/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028463.D **Time Analyzed:** 18:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.253	9.160	9.360	730.330	712.500	2.5
2,4-D	8.372	8.279	8.479	706.140	705.000	0.2
2,4-DCAA	7.243	7.150	7.350	746.010	750.000	-0.5

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/12/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028463.D **Time Analyzed:** 18:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.901	9.811	10.011	663.190	712.500	-6.9
2,4-D	8.994	8.905	9.105	643.750	705.000	-8.7
2,4-DCAA	7.746	7.655	7.855	675.910	750.000	-9.9

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Analytical Sequence

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Sta **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/08/2024 11/08/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	11/08/2024	14:25	PS028355.D	7.25	0.00
HSTDICC200	HSTDICC200	11/08/2024	15:13	PS028356.D	7.25	0.00
HSTDICC500	HSTDICC500	11/08/2024	15:46	PS028357.D	7.25	0.00
HSTDICC750	HSTDICC750	11/08/2024	16:10	PS028358.D	7.25	0.00
HSTDICC1000	HSTDICC1000	11/08/2024	16:34	PS028359.D	7.25	0.00
HSTDICC1500	HSTDICC1500	11/08/2024	16:58	PS028360.D	7.25	0.00
I.BLK	I.BLK	11/12/2024	13:00	PS028450.D	7.24	0.00
HSTDCCC750	HSTDCCC750	11/12/2024	13:25	PS028451.D	7.24	0.00
PB164850BL	PB164850BL	11/12/2024	13:53	PS028452.D	7.25	0.00
PB164850BS	PB164850BS	11/12/2024	14:17	PS028453.D	7.24	0.00
PB164694TB	PB164694TB	11/12/2024	14:49	PS028454.D	7.25	0.00
WB-307-SB02MS	P4718-03MS	11/12/2024	16:03	PS028457.D	7.24	0.00
WB-307-SB02MSD	P4718-03MSD	11/12/2024	16:27	PS028458.D	7.24	0.00
WC-1(0-6)	P4722-04	11/12/2024	16:51	PS028459.D	7.24	0.00
WC-2(0-6)	P4722-09	11/12/2024	17:16	PS028460.D	7.24	0.00
WC-3(0-6)	P4722-14	11/12/2024	17:41	PS028461.D	7.24	0.00
I.BLK	I.BLK	11/12/2024	18:04	PS028462.D	7.24	0.00
HSTDCCC750	HSTDCCC750	11/12/2024	18:29	PS028463.D	7.24	0.00

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Analytical Sequence

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Sta **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/08/2024 11/08/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	11/08/2024	14:25	PS028355.D	7.76	0.00
HSTDICC200	HSTDICC200	11/08/2024	15:13	PS028356.D	7.76	0.00
HSTDICC500	HSTDICC500	11/08/2024	15:46	PS028357.D	7.75	0.00
HSTDICC750	HSTDICC750	11/08/2024	16:10	PS028358.D	7.76	0.00
HSTDICC1000	HSTDICC1000	11/08/2024	16:34	PS028359.D	7.76	0.00
HSTDICC1500	HSTDICC1500	11/08/2024	16:58	PS028360.D	7.76	0.00
I.BLK	I.BLK	11/12/2024	13:00	PS028450.D	7.75	0.00
HSTDCCC750	HSTDCCC750	11/12/2024	13:25	PS028451.D	7.75	0.00
PB164850BL	PB164850BL	11/12/2024	13:53	PS028452.D	7.75	0.00
PB164850BS	PB164850BS	11/12/2024	14:17	PS028453.D	7.75	0.00
PB164694TB	PB164694TB	11/12/2024	14:49	PS028454.D	7.75	0.00
WB-307-SB02MS	P4718-03MS	11/12/2024	16:03	PS028457.D	7.75	0.00
WB-307-SB02MSD	P4718-03MSD	11/12/2024	16:27	PS028458.D	7.75	0.00
WC-1(0-6)	P4722-04	11/12/2024	16:51	PS028459.D	7.75	0.00
WC-2(0-6)	P4722-09	11/12/2024	17:16	PS028460.D	7.75	0.00
WC-3(0-6)	P4722-14	11/12/2024	17:41	PS028461.D	7.75	0.00
I.BLK	I.BLK	11/12/2024	18:04	PS028462.D	7.75	0.00
HSTDCCC750	HSTDCCC750	11/12/2024	18:29	PS028463.D	7.75	0.00

Alliance TECHNICAL GROUP
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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164850BS

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: PB164850BS **Date(s) Analyzed:** 11/12/2024 11/12/2024

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

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4-D	1	8.37	8.32	8.42	5.00	12.8
	2	9.00	8.95	9.05	4.40	
2,4,5-TP(Silvex)	1	9.25	9.20	9.30	5.20	12.2
	2	9.90	9.85	9.95	4.60	

Alliance TECHNICAL GROUP
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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
WB-307-SB02MS

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4718-03MS **Date(s) Analyzed:** 11/12/2024 11/12/2024

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

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4,5-TP(Silvex)	1	9.25	9.20	9.30	46.0	21.2
	2	9.90	9.85	9.95	56.9	
2,4-D	1	8.37	8.32	8.42	47.6	14.4
	2	8.99	8.94	9.04	41.2	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WB-307-SB02MSD

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4718-03MSD **Date(s) Analyzed:** 11/12/2024 11/12/2024

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

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4-D	1	8.37	8.32	8.42	47.8	11.3
	2	8.99	8.94	9.04	42.7	
2,4,5-TP(Silvex)	1	9.25	9.20	9.30	46.2	23.7
	2	9.91	9.86	9.96	58.6	

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LAB CHRONICLE

OrderID:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-03	**WC-1(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Gasoline Range Organics	8015D			11/08/24	
			Herbicide	8151A		11/07/24	11/12/24	
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-03DL	**WC-1(0-6)DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-04	**WC-1(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP Herbicide	8151A		11/10/24	11/12/24	
			TCLP Pesticide	8081B		11/10/24	11/11/24	
P4722-05	**WC-1(0-6)**	**WATER**			**11/05/24**			**11/05/24**
			SPLP Herbicide	8151A		11/11/24	11/12/24	
			SPLP Pesticide	8081B		11/10/24	11/11/24	
P4722-08	**WC-2(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Gasoline Range Organics	8015D			11/07/24	
			Herbicide	8151A		11/07/24	11/08/24	
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-08DL	**WC-2(0-6)DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-09	**WC-2(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP Herbicide	8151A		11/10/24	11/12/24	

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LAB CHRONICLE

			TCLP Pesticide	8081B		11/10/24	11/11/24	
P4722-10	**WC-2(0-6)**	**WATER**			**11/05/24**			**11/05/24**
			SPLP Herbicide	8151A		11/11/24	11/12/24	
			SPLP Pesticide	8081B		11/10/24	11/11/24	
P4722-13	**WC-3(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Gasoline Range Organics	8015D			11/08/24	
			Herbicide	8151A		11/07/24	11/12/24	
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-13DL	**WC-3(0-6)DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-14	**WC-3(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP Herbicide	8151A		11/10/24	11/12/24	
			TCLP Pesticide	8081B		11/10/24	11/11/24	
P4722-15	**WC-3(0-6)**	**WATER**			**11/05/24**			**11/05/24**
			SPLP Herbicide	8151A		11/11/24	11/12/24	
			SPLP Pesticide	8081B		11/10/24	11/11/24	

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Hit Summary Sheet
SW-846

SDG No.: P4722 **Order ID:** P4722

Client: Walsh Construction Company II, LLC **Project ID:** NYCDEP C547A - Shafts 17B-1 & 18B

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**



SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-05	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028470.D	1	11/11/24 08:40	11/12/24 21:45	PB164904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	454		39 - 175	91%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-10	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028471.D	1	11/11/24 08:40	11/12/24 22:09	PB164904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	492		39 - 175	98%	SPK: 500

Comments:

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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

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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-15	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028474.D	1	11/11/24 08:40	11/12/24 23:46	PB164904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	512		39 - 175	102%	SPK: 500

Comments:

U = Not Detected
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M = MS/MSD acceptance criteria did not meet requirements

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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:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/11/24
Client Sample ID:	PB164904TB	SDG No.:	P4722
Lab Sample ID:	PB164904TB	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028469.D	1	11/11/24 08:40	11/12/24 21:21	PB164904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	353		39 - 175	71%	SPK: 500

Comments:

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

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

QC SUMMARY

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Surrogate Summary

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PS028355.D	PIBLK-PS028355.D	2,4-DCAA	1	500	501	100		39	175
		2,4-DCAA	2	500	503	101		39	175
I.BLK-PS028462.D	PIBLK-PS028462.D	2,4-DCAA	1	500	497	99		39	175
		2,4-DCAA	2	500	444	89		39	175
PB164904BL	PB164904BL	2,4-DCAA	1	500	478	96		39	175
		2,4-DCAA	2	500	404	81		39	175
PB164904BS	PB164904BS	2,4-DCAA	1	500	576	115		39	175
		2,4-DCAA	2	500	513	103		39	175
PB164904TB	PB164904TB	2,4-DCAA	1	500	353	71		39	175
		2,4-DCAA	2	500	285	57		39	175
P4722-05	WC-1(0-6)	2,4-DCAA	1	500	454	91		39	175
		2,4-DCAA	2	500	387	77		39	175
P4722-10	WC-2(0-6)	2,4-DCAA	1	500	492	98		39	175
		2,4-DCAA	2	500	421	84		39	175
I.BLK-PS028472.D	PIBLK-PS028472.D	2,4-DCAA	1	500	501	100		39	175
		2,4-DCAA	2	500	450	90		39	175
P4722-15	WC-3(0-6)	2,4-DCAA	1	500	512	102		39	175
		2,4-DCAA	2	500	439	88		39	175
P4722-10MS	WC-2(0-6)MS	2,4-DCAA	1	500	490	98		39	175
		2,4-DCAA	2	500	438	88		39	175
P4722-10MSD	WC-2(0-6)MSD	2,4-DCAA	1	500	488	98		39	175
		2,4-DCAA	2	500	439	88		39	175
I.BLK-PS028482.D	PIBLK-PS028482.D	2,4-DCAA	1	500	480	96		39	175
		2,4-DCAA	2	500	451	90		39	175

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8151A **DataFile :** PS028475.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**WC-2(0-6)MS**											
P4722-10MS	2,4-D	5	0	4.80	ug/L	96				65	135	
	2,4,5-TP(Silvex)	5	0	4.70	ug/L	94				62	139	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8151A **DataFile :** PS028476.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**WC-2(0-6)MSD**											
P4722-10MSD	2,4-D	5	0	4.90	ug/L	98		2		65	135	20
	2,4,5-TP(Silvex)	5	0	4.80	ug/L	96		2		62	139	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8151A **Datafile :** PS028468.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164904BS	2,4-D	5	5.40	ug/L	108				83	130	
	2,4,5-TP(Silvex)	5	5.60	ug/L	112				78	127	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164904BL

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab Sample ID: PB164904BL Lab File ID: PS028467.D

Matrix: (soil/water) WATER Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 11/11/2024

Date Analyzed (1): 11/12/2024 Date Analyzed (2): 11/12/2024

Time Analyzed (1): 20:32 Time Analyzed (2): 20:32

Instrument ID (1): ECD_S Instrument ID (2): ECD_S

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLP2 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
PB164904BS	PB164904BS	PS028468.D	11/12/2024	11/12/2024
PB164904TB	PB164904TB	PS028469.D	11/12/2024	11/12/2024
WC-1(0-6)	P4722-05	PS028470.D	11/12/2024	11/12/2024
WC-2(0-6)	P4722-10	PS028471.D	11/12/2024	11/12/2024
WC-3(0-6)	P4722-15	PS028474.D	11/12/2024	11/12/2024
WC-2(0-6)MS	P4722-10MS	PS028475.D	11/13/2024	11/13/2024
WC-2(0-6)MSD	P4722-10MSD	PS028476.D	11/13/2024	11/13/2024

COMMENTS:

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164904BL	SDG No.:	P4722
Lab Sample ID:	PB164904BL	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028467.D	1	11/11/24 08:40	11/12/24 20:32	PB164904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	478		39 - 175	96%	SPK: 500

Comments:

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/08/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/08/24
Client Sample ID:	PIBLK-PS028355.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PS028355.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028355.D	1		11/08/24	PS110924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	503		39 - 175	101%	SPK: 500

Comments:

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() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/12/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/12/24
Client Sample ID:	PIBLK-PS028462.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PS028462.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028462.D	1		11/12/24	PS111224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	497		39 - 175	99%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/12/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/12/24
Client Sample ID:	PIBLK-PS028472.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PS028472.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028472.D	1		11/12/24	PS111224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	501		39 - 175	100%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/13/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/13/24
Client Sample ID:	PIBLK-PS028482.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PS028482.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028482.D	1		11/13/24	PS111224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	480		39 - 175	96%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164904BS	SDG No.:	P4722
Lab Sample ID:	PB164904BS	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028468.D	1	11/11/24 08:40	11/12/24 20:56	PB164904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	5.40		0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.60		0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	576		39 - 175	115%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)MS	SDG No.:	P4722
Lab Sample ID:	P4722-10MS	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028475.D	1	11/11/24 08:40	11/13/24 00:10	PB164904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.80		0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	4.70		0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	490		39 - 175	98%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)MSD	SDG No.:	P4722
Lab Sample ID:	P4722-10MSD	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028476.D	1	11/11/24 08:40	11/13/24 00:34	PB164904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.90		0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	4.80		0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	488		39 - 175	98%	SPK: 500

Comments:

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

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

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_S **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 15:13 16:58

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS028356.D RT 500 = PS028357.D

RT 750 = PS028358.D RT 1000 = PS028359.D RT 1500 = PS028360.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-TP(Silvex)	9.26	9.26	9.26	9.26	9.26	9.26	9.16	9.36
2,4-D	8.38	8.38	8.38	8.38	8.38	8.38	8.28	8.48
2,4-DCAA	7.25	7.25	7.25	7.25	7.25	7.25	7.15	7.35

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_S **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 15:13 16:58

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS028356.D RT 500 = PS028357.D

RT 750 = PS028358.D RT 1000 = PS028359.D RT 1500 = PS028360.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-TP(Silvex)	9.91	9.91	9.91	9.91	9.91	9.91	9.81	10.01
2,4-D	9.01	9.00	9.01	9.01	9.01	9.00	8.90	9.10
2,4-DCAA	7.76	7.75	7.76	7.76	7.76	7.75	7.65	7.85

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_S **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 15:13 16:58

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS028356.D **CF 500 =** PS028357.D

CF 750 = PS028358.D **CF 1000 =** PS028359.D **CF 1500 =** PS028360.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	21008200000	18982300000	19068100000	18267500000	17318700000	18929000000	7
2,4-D	3997770000	3571450000	3468690000	3334460000	3198650000	3514210000	9
2,4-DCAA	3196830000	2740430000	2735520000	2619650000	2511350000	2760750000	9

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_S **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 15:13 16:58

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS028356.D **CF 500 =** PS028357.D

CF 750 = PS028358.D **CF 1000 =** PS028359.D **CF 1500 =** PS028360.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	10970300000	10612300000	10768700000	10478800000	10130800000	10592200000	3
2,4-D	2051780000	1901200000	1935300000	1900220000	1880580000	1933820000	4
2,4-DCAA	1694540000	1575990000	1595150000	1561040000	1540400000	1593420000	4

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/12/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 18:29 **Initial Calibration Time(s):** 15:13 16:58

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.24	7.25	7.15	7.35	0.01
2,4-D	8.37	8.38	8.28	8.48	0.01
2,4,5-TP(Silvex)	9.25	9.26	9.16	9.36	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/12/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 18:29 **Initial Calibration Time(s):** 15:13 16:58

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.75	7.76	7.66	7.86	0.01
2,4-D	8.99	9.01	8.91	9.11	0.02
2,4,5-TP(Silvex)	9.90	9.91	9.81	10.01	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/12/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028463.D **Time Analyzed:** 18:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.253	9.160	9.360	730.330	712.500	2.5
2,4-D	8.372	8.279	8.479	706.140	705.000	0.2
2,4-DCAA	7.243	7.150	7.350	746.010	750.000	-0.5

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/12/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028463.D **Time Analyzed:** 18:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.901	9.811	10.011	663.190	712.500	-6.9
2,4-D	8.994	8.905	9.105	643.750	705.000	-8.7
2,4-DCAA	7.746	7.655	7.855	675.910	750.000	-9.9

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/12/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 22:57 **Initial Calibration Time(s):** 15:13 16:58

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.24	7.25	7.15	7.35	0.01
2,4-D	8.37	8.38	8.28	8.48	0.01
2,4,5-TP(Silvex)	9.25	9.26	9.16	9.36	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/12/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 22:57 **Initial Calibration Time(s):** 15:13 16:58

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.75	7.76	7.66	7.86	0.02
2,4-D	8.99	9.01	8.91	9.11	0.02
2,4,5-TP(Silvex)	9.90	9.91	9.81	10.01	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/12/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028473.D **Time Analyzed:** 22:57

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.250	9.160	9.360	733.770	712.500	3.0
2,4-D	8.371	8.279	8.479	706.280	705.000	0.2
2,4-DCAA	7.241	7.150	7.350	747.510	750.000	-0.3

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/12/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028473.D **Time Analyzed:** 22:57

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.900	9.811	10.011	667.590	712.500	-6.3
2,4-D	8.993	8.905	9.105	653.200	705.000	-7.3
2,4-DCAA	7.745	7.655	7.855	681.740	750.000	-9.1

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/13/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 04:14 **Initial Calibration Time(s):** 15:13 16:58

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.24	7.25	7.15	7.35	0.01
2,4-D	8.37	8.38	8.28	8.48	0.01
2,4,5-TP(Silvex)	9.25	9.26	9.16	9.36	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Continuing Calib Date: 11/13/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 04:14 **Initial Calibration Time(s):** 15:13 16:58

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.74	7.76	7.66	7.86	0.02
2,4-D	8.99	9.01	8.91	9.11	0.02
2,4,5-TP(Silvex)	9.90	9.91	9.81	10.01	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL03 **Date Analyzed:** 11/13/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028483.D **Time Analyzed:** 04:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.252	9.160	9.360	724.850	712.500	1.7
2,4-D	8.371	8.279	8.479	701.350	705.000	-0.5
2,4-DCAA	7.242	7.150	7.350	740.640	750.000	-1.2

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CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL03 **Date Analyzed:** 11/13/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028483.D **Time Analyzed:** 04:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.899	9.811	10.011	654.650	712.500	-8.1
2,4-D	8.993	8.905	9.105	645.560	705.000	-8.4
2,4-DCAA	7.744	7.655	7.855	671.790	750.000	-10.4

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Analytical Sequence

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Sta **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/08/2024 11/08/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	11/08/2024	14:25	PS028355.D	7.25	0.00
HSTDICC200	HSTDICC200	11/08/2024	15:13	PS028356.D	7.25	0.00
HSTDICC500	HSTDICC500	11/08/2024	15:46	PS028357.D	7.25	0.00
HSTDICC750	HSTDICC750	11/08/2024	16:10	PS028358.D	7.25	0.00
HSTDICC1000	HSTDICC1000	11/08/2024	16:34	PS028359.D	7.25	0.00
HSTDICC1500	HSTDICC1500	11/08/2024	16:58	PS028360.D	7.25	0.00
I.BLK	I.BLK	11/12/2024	18:04	PS028462.D	7.24	0.00
HSTDCCC750	HSTDCCC750	11/12/2024	18:29	PS028463.D	7.24	0.00
PB164904BL	PB164904BL	11/12/2024	20:32	PS028467.D	7.24	0.00
PB164904BS	PB164904BS	11/12/2024	20:56	PS028468.D	7.24	0.00
PB164904TB	PB164904TB	11/12/2024	21:21	PS028469.D	7.24	0.00
WC-1(0-6)	P4722-05	11/12/2024	21:45	PS028470.D	7.24	0.00
WC-2(0-6)	P4722-10	11/12/2024	22:09	PS028471.D	7.24	0.00
I.BLK	I.BLK	11/12/2024	22:34	PS028472.D	7.24	0.00
HSTDCCC750	HSTDCCC750	11/12/2024	22:57	PS028473.D	7.24	0.00
WC-3(0-6)	P4722-15	11/12/2024	23:46	PS028474.D	7.24	0.00
WC-2(0-6)MS	P4722-10MS	11/13/2024	00:10	PS028475.D	7.24	0.00
WC-2(0-6)MSD	P4722-10MSD	11/13/2024	00:34	PS028476.D	7.24	0.00
I.BLK	I.BLK	11/13/2024	03:01	PS028482.D	7.24	0.00
HSTDCCC750	HSTDCCC750	11/13/2024	04:14	PS028483.D	7.24	0.00

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Analytical Sequence

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Sta **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/08/2024 11/08/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	11/08/2024	14:25	PS028355.D	7.76	0.00
HSTDICC200	HSTDICC200	11/08/2024	15:13	PS028356.D	7.76	0.00
HSTDICC500	HSTDICC500	11/08/2024	15:46	PS028357.D	7.75	0.00
HSTDICC750	HSTDICC750	11/08/2024	16:10	PS028358.D	7.76	0.00
HSTDICC1000	HSTDICC1000	11/08/2024	16:34	PS028359.D	7.76	0.00
HSTDICC1500	HSTDICC1500	11/08/2024	16:58	PS028360.D	7.76	0.00
I.BLK	I.BLK	11/12/2024	18:04	PS028462.D	7.75	0.00
HSTDCCC750	HSTDCCC750	11/12/2024	18:29	PS028463.D	7.75	0.00
PB164904BL	PB164904BL	11/12/2024	20:32	PS028467.D	7.74	0.00
PB164904BS	PB164904BS	11/12/2024	20:56	PS028468.D	7.74	0.00
PB164904TB	PB164904TB	11/12/2024	21:21	PS028469.D	7.75	0.00
WC-1(0-6)	P4722-05	11/12/2024	21:45	PS028470.D	7.74	0.00
WC-2(0-6)	P4722-10	11/12/2024	22:09	PS028471.D	7.75	0.00
I.BLK	I.BLK	11/12/2024	22:34	PS028472.D	7.74	0.00
HSTDCCC750	HSTDCCC750	11/12/2024	22:57	PS028473.D	7.75	0.00
WC-3(0-6)	P4722-15	11/12/2024	23:46	PS028474.D	7.74	0.00
WC-2(0-6)MS	P4722-10MS	11/13/2024	00:10	PS028475.D	7.75	0.00
WC-2(0-6)MSD	P4722-10MSD	11/13/2024	00:34	PS028476.D	7.74	0.00
I.BLK	I.BLK	11/13/2024	03:01	PS028482.D	7.74	0.00
HSTDCCC750	HSTDCCC750	11/13/2024	04:14	PS028483.D	7.74	0.00

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164904BS

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: PB164904BS **Date(s) Analyzed:** 11/12/2024 11/12/2024

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

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4-D	1	8.37	8.32	8.42	5.40	9.7
	2	8.99	8.94	9.04	4.90	
2,4,5-TP(Silvex)	1	9.25	9.20	9.30	5.60	11.3
	2	9.90	9.85	9.95	5.00	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-2(0-6)MS

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4722-10MS **Date(s) Analyzed:** 11/13/2024 11/13/2024

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

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4,5-TP(Silvex)	1	9.25	9.20	9.30	4.70	8.9
	2	9.90	9.85	9.95	4.30	
2,4-D	1	8.37	8.32	8.42	4.80	13.3
	2	8.99	8.94	9.04	4.20	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-2(0-6)MSD

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Lab Sample ID: P4722-10MSD **Date(s) Analyzed:** 11/13/2024 11/13/2024

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

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4-D	1	8.37	8.32	8.42	4.90	13
	2	8.99	8.94	9.04	4.30	
2,4,5-TP(Silvex)	1	9.25	9.20	9.30	4.80	11
	2	9.90	9.85	9.95	4.30	

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LAB CHRONICLE

OrderID:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-03	**WC-1(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
P4722-03DL	**WC-1(0-6)DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-08	**WC-2(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
P4722-08DL	**WC-2(0-6)DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-13	**WC-3(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
P4722-13DL	**WC-3(0-6)DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH_NF	NJEPH		11/07/24	11/08/24	

SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.8
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/07/24 09:50	11/08/24 8:06	PB164751

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	111		5	9.57	10.6	mg/kg	FE051107.D
Aliphatic C9-C28	Aliphatic C9-C28	34.6		1	1.83	4.25	mg/kg	FE051087.D
Total AliphaticEPH	Total AliphaticEPH	146			11.4	14.8	mg/kg	
Total EPH	Total EPH	146			11.4	14.8	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.8
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051087.D	1	11/07/24	11/07/24	PB164751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	34.6		1.83	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	94.8	E	1.91	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.3		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.4		40 - 140	67%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4722-03	Acq On:	07 Nov 2024 16:40
Client Sample ID:	WC-1(0-6)	Operator:	YP\AJ
Data file:	FE051087.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.757	3212816	22.963	300	ug/ml
Aliphatic C12-C16	6.758	10.189	6042880	42.968	200	ug/ml
Aliphatic C16-C21	10.190	13.548	24400913	177.116	300	ug/ml
Aliphatic C21-C28	13.549	17.202	32687587	244.025	400	ug/ml
Aliphatic C28-C40	17.203	22.047	172210772	1340	600	ug/ml
Aliphatic EPH	3.140	22.047	238554968	1820		ug/ml
ortho-Terphenyl (SURR)	11.852	11.852	5019328	33.44		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	4804413	42.32		ug/ml
Aliphatic C9-C28	3.140	17.202	66344196	487.072	1200	ug/ml

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)DL	SDG No.:	P4722
Lab Sample ID:	P4722-03DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.8
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051107.D	5	11/07/24	11/08/24	PB164751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	34.9		9.14	21.3	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	111		9.57	10.6	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	10.0		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	7.80		40 - 140	78%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4722-03DL	Acq On:	08 Nov 2024 08:06
Client Sample ID:	WC-1(0-6)DL	Operator:	YP\AJ
Data file:	FE051107.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.758	177826	1.271	300	ug/ml
Aliphatic C12-C16	6.759	10.191	1808787	12.862	200	ug/ml
Aliphatic C16-C21	10.192	13.550	5580024	40.503	300	ug/ml
Aliphatic C21-C28	13.551	17.206	6028165	45.003	400	ug/ml
Aliphatic C28-C40	17.207	22.053	40475708	314.378	600	ug/ml
Aliphatic EPH	3.140	22.053	54070510	414.016		ug/ml
ortho-Terphenyl (SURR)	11.849	11.849	1171181	7.8		ug/ml
1-chlorooctadecane (SURR)	13.283	13.283	1139588	10.04		ug/ml
Aliphatic C9-C28	3.140	17.206	13594802	99.639	1200	ug/ml

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/07/24 09:50	11/08/24 8:36	PB164751

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	126		5	9.99	11.1	mg/kg	FE051108.D
Aliphatic C9-C28	Aliphatic C9-C28	35.7		1	1.91	4.44	mg/kg	FE051088.D
Total AliphaticEPH	Total AliphaticEPH	162			11.9	15.5	mg/kg	
Total EPH	Total EPH	162			11.9	15.5	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051088.D	1	11/07/24	11/07/24	PB164751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	35.7		1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	120	E	2.00	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.8		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.4		40 - 140	63%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4722-08	Acq On:	07 Nov 2024 17:10
Client Sample ID:	WC-2(0-6)	Operator:	YP\AJ
Data file:	FE051088.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.757	1980327	14.154	300	ug/ml
Aliphatic C12-C16	6.758	10.189	4610687	32.785	200	ug/ml
Aliphatic C16-C21	10.190	13.548	22243582	161.457	300	ug/ml
Aliphatic C21-C28	13.549	17.202	36797174	274.705	400	ug/ml
Aliphatic C28-C40	17.203	22.047	210369563	1630	600	ug/ml
Aliphatic EPH	3.140	22.047	276001333	2120		ug/ml
ortho-Terphenyl (SURR)	11.853	11.853	4714414	31.41		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	4513924	39.76		ug/ml
Aliphatic C9-C28	3.140	17.202	65631770	483.101	1200	ug/ml

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)DL	SDG No.:	P4722
Lab Sample ID:	P4722-08DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051108.D	5	11/07/24	11/08/24	PB164751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	33.2		9.54	22.2	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	126		9.99	11.1	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	9.03		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	7.22		40 - 140	72%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4722-08DL	Acq On:	08 Nov 2024 08:36
Client Sample ID:	WC-2(0-6)DL	Operator:	YP\AJ
Data file:	FE051108.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.758	459729	3.286	300	ug/ml
Aliphatic C12-C16	6.759	10.191	1357176	9.65	200	ug/ml
Aliphatic C16-C21	10.192	13.550	5012148	36.381	300	ug/ml
Aliphatic C21-C28	13.551	17.206	5389534	40.235	400	ug/ml
Aliphatic C28-C40	17.207	22.053	44149517	342.913	600	ug/ml
Aliphatic EPH	3.140	22.053	56368104	432.465		ug/ml
ortho-Terphenyl (SURR)	11.853	11.853	1083517	7.22		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	1025230	9.03		ug/ml
Aliphatic C9-C28	3.140	17.206	12218587	89.552	1200	ug/ml

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/07/24 09:50	11/08/24 9:06	PB164751

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	100		5	10.4	11.5	mg/kg	FE051109.D
Aliphatic C9-C28	Aliphatic C9-C28	21.4		1	1.98	4.61	mg/kg	FE051089.D
Total AliphaticEPH	Total AliphaticEPH	121			12.4	16.1	mg/kg	
Total EPH	Total EPH	121			12.4	16.1	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051089.D	1	11/07/24	11/07/24	PB164751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	21.4		1.98	4.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	91.5	E	2.07	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.1		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.8		40 - 140	50%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4722-13	Acq On:	07 Nov 2024 17:40
Client Sample ID:	WC-3(0-6)	Operator:	YP\AJ
Data file:	FE051089.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.757	1512583	10.811	300	ug/ml
Aliphatic C12-C16	6.758	10.189	4667226	33.187	200	ug/ml
Aliphatic C16-C21	10.190	13.548	8166826	59.28	300	ug/ml
Aliphatic C21-C28	13.549	17.202	23630833	176.413	400	ug/ml
Aliphatic C28-C40	17.203	22.047	153532035	1190	600	ug/ml
Aliphatic EPH	3.140	22.047	191509503	1470		ug/ml
ortho-Terphenyl (SURR)	11.852	11.852	3722547	24.8		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	3191438	28.11		ug/ml
Aliphatic C9-C28	3.140	17.202	37977468	279.691	1200	ug/ml

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)DL	SDG No.:	P4722
Lab Sample ID:	P4722-13DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051109.D	5	11/07/24	11/08/24	PB164751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	15.7	J	9.91	23.0	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	100		10.4	11.5	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	6.02		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	5.52		40 - 140	55%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4722-13DL	Acq On:	08 Nov 2024 09:06
Client Sample ID:	WC-3(0-6)DL	Operator:	YP\AJ
Data file:	FE051109.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.758	347187	2.481	300	ug/ml
Aliphatic C12-C16	6.759	10.191	1099349	7.817	200	ug/ml
Aliphatic C16-C21	10.192	13.550	1812358	13.155	300	ug/ml
Aliphatic C21-C28	13.551	17.206	2653593	19.81	400	ug/ml
Aliphatic C28-C40	17.207	22.053	33665606	261.484	600	ug/ml
Aliphatic EPH	3.140	22.053	39578093	304.747		ug/ml
ortho-Terphenyl (SURR)	11.852	11.852	828088	5.52		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	683995	6.02		ug/ml
Aliphatic C9-C28	3.140	17.206	5912487	43.263	1200	ug/ml

QC SUMMARY

Alliance TECHNICAL GROUP
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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM CASE No.: P4722 SAS No.: P4722 SDG No.: P4722

Run Number: FC110724AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
JC-701-COMP-01MS	80	78		0
JC-701-COMP-01MSD	80	79		0
PB164751BL	89	87		0
PB164751BS	71	70		0
PB164751BSD	71	69		0

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM CASE No.: P4722 SAS No.: P4722 SDG No.: P4722

Run Number: FE110824AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
WC-1(0-6)	85	67		0
WC-2(0-6)	80	63		0
WC-3(0-6)	56	50		0

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM CASE No.: P4722 SAS No.: P4722 SDG No.: P4722

Run Number: FE110924AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
WC-1(0-6)DL	100	78		0
WC-2(0-6)DL	90	72		0
WC-3(0-6)DL	60	55		0

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOIL EPH SURROGATE RECOVERY

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Walsh Construction Company II, LLC

Lab Code: CHEM **Cas No:** P4722 **SAS No :** P4722 **SDG No:** P4722

Sample No : P4720-01MS **Datafile:** FC067662.D

Client ID : JC-701-COMP-01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	33.0	22.9	59.0	109		(40-140)
Aliphatic C9-C28	110.2	8.87	94.2	77		(40-140)

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SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Walsh Construction Company II, LLC

Lab Code: CHEM **Cas No:** P4722 **SAS No :** P4722 **SDG No:** P4722

Sample No : P4720-01MSD **Datafile:** FC067663.D

Client ID : JC-701-COMP-01MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	33.1	22.9	60.8	114		4.48 |	(40-140)	25
Aliphatic C9-C28	110.3	8.87	94.8	78		0.6 |	(40-140)	25

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SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Walsh Construction Company II, LLC

Lab Code: CHEM **Cas No:** P4722 **SAS No :** P4722 **SDG No:** P4722

Sample No : PB164751BS **Datafile:** FC067658.D

Client ID : PB164751BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	30.0	27.0	90		(40-140)
Aliphatic C9-C28	100.1	68.6	68		(40-140)

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SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Walsh Construction Company II, LLC

Lab Code: CHEM **Cas No:** P4722 **SAS No :** P4722 **SDG No:** P4722

Sample No : PB164751BSD **Datafile:** FC067659.D

Client ID : PB164751BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD | QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	30.0	26.9	90		0.271| (40-140)	50
Aliphatic C9-C28	99.9	67.7	67		1.4| (40-140)	50

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB164751BL

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Instrument ID: FID_C Lab Sample ID: PB164751BL

Matrix: (soil/water) Solid Date Extracted: 11/7/2024 9:50:00 A

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB164751BS	PB164751BS
PB164751BSD	PB164751BSD
JC-701-COMP-01MS	P4720-01MS
JC-701-COMP-01MSD	P4720-01MSD
WC-1(0-6)	P4722-03
WC-2(0-6)	P4722-08
WC-3(0-6)	P4722-13

COMMENTS:

Form IV

QC SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164751BL	SDG No.:	P4722
Lab Sample ID:	PB164751BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/07/24 09:50	11/07/24 16:01	PB164751

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1	1.80	2.00	mg/kg	FC067657.D
Aliphatic C9-C28	Aliphatic C9-C28	1.72	U	1	1.72	3.99	mg/kg	FC067657.D
Total AliphaticEPH	Total AliphaticEPH	3.52	U		3.52	5.99	mg/kg	
Total EPH	Total EPH	3.52	U		3.52	5.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164751BL	SDG No.:	P4722
Lab Sample ID:	PB164751BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067657.D	1	11/07/24	11/07/24	PB164751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.72	U	1.72	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.7		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.5		40 - 140	87%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164751BL	Acq On:	07 Nov 2024 16:01
Client Sample ID:	PB164751BL	Operator:	YP/AJ
Data file:	FC067657.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.171	6.452	0	0	300	ug/ml
Aliphatic C12-C16	6.453	9.842	0	0	200	ug/ml
Aliphatic C16-C21	9.843	13.198	0	0	300	ug/ml
Aliphatic C21-C28	13.199	16.853	0	0	400	ug/ml
Aliphatic C28-C40	16.854	21.696	0	0	600	ug/ml
Aliphatic EPH	3.171	21.696	0	0		ug/ml
ortho-Terphenyl (SURR)	11.495	11.495	6376641	43.46		ug/ml
1-chlorooctadecane (SURR)	12.933	12.933	4824972	44.68		ug/ml
Aliphatic C9-C28	3.171	16.853	0	0	1200	ug/ml

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164751BS	SDG No.:	P4722
Lab Sample ID:	PB164751BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/07/24 09:50	11/07/24 16:38	PB164751

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	27.0		1	1.80	2.00	mg/kg	FC067658.D
Aliphatic C9-C28	Aliphatic C9-C28	68.6		1	1.72	4.00	mg/kg	FC067658.D
Total AliphaticEPH	Total AliphaticEPH	95.6			3.52	6.00	mg/kg	
Total EPH	Total EPH	95.6			3.52	6.00	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164751BS	SDG No.:	P4722
Lab Sample ID:	PB164751BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067658.D	1	11/07/24	11/07/24	PB164751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	68.6		1.72	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	27.0		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.5		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.8		40 - 140	70%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164751BS	Acq On:	07 Nov 2024 16:38
Client Sample ID:	PB164751BS	Operator:	YP/AJ
Data file:	FC067658.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.171	6.452	23340030	172.29	300	ug/ml
Aliphatic C12-C16	6.453	9.842	30785801	233.789	200	ug/ml
Aliphatic C16-C21	9.843	13.198	34492727	271.094	300	ug/ml
Aliphatic C21-C28	13.199	16.853	42081404	350.414	400	ug/ml
Aliphatic C28-C40	16.854	21.696	41020113	405.765	600	ug/ml
Aliphatic EPH	3.171	21.696	171720075	1430		ug/ml
ortho-Terphenyl (SURR)	11.494	11.494	5102855	34.78		ug/ml
1-chlorooctadecane (SURR)	12.931	12.931	3829694	35.46		ug/ml
Aliphatic C9-C28	3.171	16.853	130699962	1030	1200	ug/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164751BSD	SDG No.:	P4722
Lab Sample ID:	PB164751BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/07/24 09:50	11/07/24 17:15	PB164751

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.9		1	1.80	2.00	mg/kg	FC067659.D
Aliphatic C9-C28	Aliphatic C9-C28	67.7		1	1.72	3.99	mg/kg	FC067659.D
Total AliphaticEPH	Total AliphaticEPH	94.6			3.52	5.99	mg/kg	
Total EPH	Total EPH	94.6			3.52	5.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164751BSD	SDG No.:	P4722
Lab Sample ID:	PB164751BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067659.D	1	11/07/24	11/07/24	PB164751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	67.7		1.72	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.9		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.3		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.5		40 - 140	69%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164751BSD	Acq On:	07 Nov 2024 17:15
Client Sample ID:	PB164751BSD	Operator:	YP/AJ
Data file:	FC067659.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.171	6.452	22832781	168.545	300	ug/ml
Aliphatic C12-C16	6.453	9.842	30414547	230.97	200	ug/ml
Aliphatic C16-C21	9.843	13.198	34276315	269.394	300	ug/ml
Aliphatic C21-C28	13.199	16.853	41846131	348.455	400	ug/ml
Aliphatic C28-C40	16.854	21.696	40767490	403.266	600	ug/ml
Aliphatic EPH	3.171	21.696	170137264	1420		ug/ml
ortho-Terphenyl (SURR)	11.494	11.494	5066893	34.53		ug/ml
1-chlorooctadecane (SURR)	12.931	12.931	3816449	35.34		ug/ml
Aliphatic C9-C28	3.171	16.853	129369774	1020	1200	ug/ml

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	JC-701-COMP-01MS	SDG No.:	P4722
Lab Sample ID:	P4720-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/07/24 09:50	11/07/24 19:06	PB164751

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	59.0	E	1	1.98	2.20	mg/kg	FC067662.D
Aliphatic C9-C28	Aliphatic C9-C28	94.2	E	1	1.89	4.40	mg/kg	FC067662.D
Total AliphaticEPH	Total AliphaticEPH	153			3.87	6.60	mg/kg	
Total EPH	Total EPH	153			3.87	6.60	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	JC-701-COMP-01MS	SDG No.:	P4722
Lab Sample ID:	P4720-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067662.D	1	11/07/24	11/07/24	PB164751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	94.2	E	1.89	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	59.0	E	1.98	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.8		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.2		40 - 140	78%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4720-01MS	Acq On:	07 Nov 2024 19:06
Client Sample ID:	JC-701-COMP-01MS	Operator:	YP/AJ
Data file:	FC067662.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.171	6.452	27643069	204.054	300	ug/ml
Aliphatic C12-C16	6.453	9.842	35970363	273.161	200	ug/ml
Aliphatic C16-C21	9.843	13.198	44280239	348.019	300	ug/ml
Aliphatic C21-C28	13.199	16.853	55024877	458.195	400	ug/ml
Aliphatic C28-C40	16.854	21.696	81289720	804.107	600	ug/ml
Aliphatic EPH	3.171	21.696	244208268	2090		ug/ml
ortho-Terphenyl (SURR)	11.494	11.494	5745982	39.16		ug/ml
1-chlorooctadecane (SURR)	12.932	12.932	4295154	39.77		ug/ml
Aliphatic C9-C28	3.171	16.853	162918548	1280	1200	ug/ml

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	JC-701-COMP-01MSD	SDG No.:	P4722
Lab Sample ID:	P4720-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/07/24 09:50	11/07/24 19:43	PB164751

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	60.8	E	1	1.98	2.21	mg/kg	FC067663.D
Aliphatic C9-C28	Aliphatic C9-C28	94.8	E	1	1.90	4.41	mg/kg	FC067663.D
Total AliphaticEPH	Total AliphaticEPH	156			3.88	6.62	mg/kg	
Total EPH	Total EPH	156			3.88	6.62	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	JC-701-COMP-01MSD	SDG No.:	P4722
Lab Sample ID:	P4720-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067663.D	1	11/07/24	11/07/24	PB164751

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		94.8	E	1.90	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		60.8	E	1.98	2.21	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		40.0		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		39.4		40 - 140	79%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4721-01MSD	Acq On:	07 Nov 2024 19:43
Client Sample ID:	JC-701-COMP-01MSD	Operator:	YP/AJ
Data file:	FC067663.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.171	6.452	27706187	204.52	300	ug/ml
Aliphatic C12-C16	6.453	9.842	36173313	274.703	200	ug/ml
Aliphatic C16-C21	9.843	13.198	44479004	349.581	300	ug/ml
Aliphatic C21-C28	13.199	16.853	55319709	460.651	400	ug/ml
Aliphatic C28-C40	16.854	21.696	83596065	826.921	600	ug/ml
Aliphatic EPH	3.171	21.696	247274278	2120		ug/ml
ortho-Terphenyl (SURR)	11.495	11.495	5776165	39.37		ug/ml
1-chlorooctadecane (SURR)	12.932	12.932	4315956	39.97		ug/ml
Aliphatic C9-C28	3.171	16.853	163678213	1290	1200	ug/ml

CALIBRATION SUMMARY

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Inital Calibration Report for SequenceID : FC102324AL

AreaCount

Parameter Range	FC067506.D	FC067507.D	FC067508.D	FC067509.D	FC067510.D	
Aliphatic C9-C12	39022992.000	19933185.000	8061570.000	4198329.000	2101198.000	
Aliphatic C12-C16	25467967.000	12990634.000	5208245.000	2702045.000	1358541.000	
Aliphatic C16-C21	36713606.000	18782701.000	7526010.000	3934678.000	1979840.000	
Aliphatic C21-C28	45946180.000	23609090.000	9458827.000	4951672.000	2510279.000	
Aliphatic C28-C40	56250650.000	29316600.000	11954663.000	6283522.000	3289360.000	
Aliphatic EPH	203401395.000	104632210.000	42209315.000	22070246.000	11239218.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	135469.6413332	3.265				
Aliphatic C12-C16	131681.73	2.772				
Aliphatic C16-C21	127235.0919996	3.261				
Aliphatic C21-C28	120090.3975	3.678				
Aliphatic C28-C40	101093.1949996	6.133				
Aliphatic EPH	118799.912222	4.081				

Concentration

Parameter Range	FC067506.D	FC067507.D	FC067508.D	FC067509.D	FC067510.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FC067506.D	FC067507.D	FC067508.D	FC067509.D	FC067510.D	
Aliphatic C9-C12	130076.640000	132887.900000	134359.500000	139944.300000	140079.866666	
Aliphatic C12-C16	127339.835000	129906.340000	130206.125000	135102.250000	135854.100000	
Aliphatic C16-C21	122378.686666	125218.006666	125433.500000	131155.933333	131989.333333	

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Inital Calibration Report for SequenceID : FC102324AL

Aliphatic C21-C28	114865.450000	118045.450000	118235.337500	123791.800000	125513.950000	
Aliphatic C28-C40	93751.083333	97722.000000	99622.191666	104725.366666	109645.333333	
Aliphatic EPH	113000.775000	116258.011111	117248.097222	122612.477777	124880.200000	

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Inital Calibration Report for SequenceID : FE110724AL

AreaCount

Parameter Range	FE051075.D	FE051076.D	FE051077.D	FE051078.D	FE051079.D	
Aliphatic C9-C12	40063780.000	21137224.000	8264114.000	4331556.000	2144887.000	
Aliphatic C12-C16	26499750.000	14057359.000	5586564.000	2913018.000	1447905.000	
Aliphatic C16-C21	38600621.000	20520000.000	8195408.000	4299352.000	2152043.000	
Aliphatic C21-C28	49929068.000	26341355.000	10608674.000	5580376.000	2822212.000	
Aliphatic C28-C40	66927536.000	37036837.000	15654323.000	8140009.000	4278617.000	
Aliphatic EPH	222020755.000	119092775.000	48309083.000	25264311.000	12845664.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	139914.7319996	3.111				
Aliphatic C12-C16	140635.568	3.722				
Aliphatic C16-C21	137768.027333	4.421				
Aliphatic C21-C28	133951.574	4.9				
Aliphatic C28-C40	128748.4183328	9.249				
Aliphatic EPH	134589.7899996	5.649				

Concentration

Parameter Range	FE051075.D	FE051076.D	FE051077.D	FE051078.D	FE051079.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FE051075.D	FE051076.D	FE051077.D	FE051078.D	FE051079.D	
Aliphatic C9-C12	133545.933333	140914.826666	137735.233333	144385.200000	142992.466666	
Aliphatic C12-C16	132498.750000	140573.590000	139664.100000	145650.900000	144790.500000	
Aliphatic C16-C21	128668.736666	136800.000000	136590.133333	143311.733333	143469.533333	

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Inital Calibration Report for SequenceID : FE110724AL

Aliphatic C21-C28	124822.670000	131706.775000	132608.425000	139509.400000	141110.600000	
Aliphatic C28-C40	111545.893333	123456.123333	130452.691666	135666.816666	142620.566666	
Aliphatic EPH	123344.863888	132325.305555	134191.897222	140357.283333	142729.600000	

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Continuing Calibration Report for SequenceID : FC110724AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067656.D**						
Aliphatic C9-C12	8272580.000	60.000	3.171	6.452	137876.333	135469.641	-1.777
Aliphatic C12-C16	5401387.000	40.000	6.453	9.842	135034.675	131681.730	-2.546
Aliphatic C16-C21	7780791.000	60.000	9.843	13.198	129679.850	127235.092	-1.921
Aliphatic C21-C28	9757366.000	80.000	13.199	16.853	121967.075	120090.398	-1.563
Aliphatic C28-C40	12371203.000	120.000	16.854	21.696	103093.358	101093.195	-1.979
Aliphatic EPH	43583327.000	360.000	3.171	21.696	121064.797	118799.912	-1.906

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	07 Nov 2024 12:46
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067656.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.171	6.452	8272580.000	60.000	ug/ml
Aliphatic C12-C16	6.453	9.842	5401387.000	40.000	ug/ml
Aliphatic C16-C21	9.843	13.198	7780791.000	60.000	ug/ml
Aliphatic C21-C28	13.199	16.853	9757366.000	80.000	ug/ml
Aliphatic C28-C40	16.854	21.696	12371203.000	120.000	ug/ml
Aliphatic EPH	3.171	21.696	43583327.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FC110724AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067666.D**						
Aliphatic C9-C12	8377570.000	60.000	3.171	6.452	139626.167	135469.641	-3.068
Aliphatic C12-C16	5480862.000	40.000	6.453	9.842	137021.550	131681.730	-4.055
Aliphatic C16-C21	7888638.000	60.000	9.843	13.198	131477.300	127235.092	-3.334
Aliphatic C21-C28	9900793.000	80.000	13.199	16.853	123759.913	120090.398	-3.056
Aliphatic C28-C40	12533852.000	120.000	16.854	21.696	104448.767	101093.195	-3.319
Aliphatic EPH	44181715.000	360.000	3.171	21.696	122726.986	118799.912	-3.306

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	07 Nov 2024 22:09
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067666.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.171	6.452	8377570.000	60.000	ug/ml
Aliphatic C12-C16	6.453	9.842	5480862.000	40.000	ug/ml
Aliphatic C16-C21	9.843	13.198	7888638.000	60.000	ug/ml
Aliphatic C21-C28	13.199	16.853	9900793.000	80.000	ug/ml
Aliphatic C28-C40	16.854	21.696	12533852.000	120.000	ug/ml
Aliphatic EPH	3.171	21.696	44181715.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FE110824AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE051085.D**						
Aliphatic C9-C12	9183172.000	60.000	3.140	6.757	153052.867	139914.732	-9.390
Aliphatic C12-C16	6155237.000	40.000	6.758	10.189	153880.925	140635.568	-9.418
Aliphatic C16-C21	9038555.000	60.000	10.190	13.548	150642.583	137768.027	-9.345
Aliphatic C21-C28	11641146.000	80.000	13.549	17.202	145514.325	133951.574	-8.632
Aliphatic C28-C40	15647091.000	120.000	17.203	22.047	130392.425	128748.418	-1.277
Aliphatic EPH	51665201.000	360.000	3.140	22.047	143514.447	134589.790	-6.631

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	07 Nov 2024 12:44
Client Sample ID:		Operator:	YP\AJ
Data file:	FE051085.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.140	6.757	9183172.000	60.000	ug/ml
Aliphatic C12-C16	6.758	10.189	6155237.000	40.000	ug/ml
Aliphatic C16-C21	10.190	13.548	9038555.000	60.000	ug/ml
Aliphatic C21-C28	13.549	17.202	11641146.000	80.000	ug/ml
Aliphatic C28-C40	17.203	22.047	15647091.000	120.000	ug/ml
Aliphatic EPH	3.140	22.047	51665201.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FE110824AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE051103.D**						
Aliphatic C9-C12	9283904.000	60.000	3.140	6.757	154731.733	139914.732	-10.590
Aliphatic C12-C16	6136911.000	40.000	6.758	10.189	153422.775	140635.568	-9.092
Aliphatic C16-C21	8903525.000	60.000	10.190	13.548	148392.083	137768.027	-7.712
Aliphatic C21-C28	11663758.000	80.000	13.549	17.202	145796.975	133951.574	-8.843
Aliphatic C28-C40	15600991.000	120.000	17.203	22.047	130008.258	128748.418	-0.979
Aliphatic EPH	51589089.000	360.000	3.140	22.047	143303.025	134589.790	-6.474

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	08 Nov 2024 01:11
Client Sample ID:		Operator:	YP\AJ
Data file:	FE051103.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.140	6.757	9283904.000	60.000	ug/ml
Aliphatic C12-C16	6.758	10.189	6136911.000	40.000	ug/ml
Aliphatic C16-C21	10.190	13.548	8903525.000	60.000	ug/ml
Aliphatic C21-C28	13.549	17.202	11663758.000	80.000	ug/ml
Aliphatic C28-C40	17.203	22.047	15600991.000	120.000	ug/ml
Aliphatic EPH	3.140	22.047	51589089.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FE110924AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE051106.D**						
Aliphatic C9-C12	9286782.000	60.000	3.140	6.758	154779.700	139914.732	-10.624
Aliphatic C12-C16	6146623.000	40.000	6.759	10.191	153665.575	140635.568	-9.265
Aliphatic C16-C21	8900683.000	60.000	10.192	13.550	148344.717	137768.027	-7.677
Aliphatic C21-C28	11665637.000	80.000	13.551	17.206	145820.463	133951.574	-8.861
Aliphatic C28-C40	15458424.000	120.000	17.207	22.053	128820.200	128748.418	-0.056
Aliphatic EPH	51458149.000	360.000	3.140	22.053	142939.303	134589.790	-6.204

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	08 Nov 2024 05:18
Client Sample ID:		Operator:	YP\AJ
Data file:	FE051106.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.140	6.758	9286782.000	60.000	ug/ml
Aliphatic C12-C16	6.759	10.191	6146623.000	40.000	ug/ml
Aliphatic C16-C21	10.192	13.550	8900683.000	60.000	ug/ml
Aliphatic C21-C28	13.551	17.206	11665637.000	80.000	ug/ml
Aliphatic C28-C40	17.207	22.053	15458424.000	120.000	ug/ml
Aliphatic EPH	3.140	22.053	51458149.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FE110924AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE051116.D**						
Aliphatic C9-C12	8815295.000	60.000	3.140	6.758	146921.583	139914.732	-5.008
Aliphatic C12-C16	5757616.000	40.000	6.759	10.191	143940.400	140635.568	-2.350
Aliphatic C16-C21	8410292.000	60.000	10.192	13.550	140171.533	137768.027	-1.745
Aliphatic C21-C28	11021730.000	80.000	13.551	17.206	137771.625	133951.574	-2.852
Aliphatic C28-C40	14486876.000	120.000	17.207	22.053	120723.967	128748.418	6.233
Aliphatic EPH	48491809.000	360.000	3.140	22.053	134699.469	134589.790	-0.081

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	08 Nov 2024 13:07
Client Sample ID:		Operator:	YP\AJ
Data file:	FE051116.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.140	6.758	8815295.000	60.000	ug/ml
Aliphatic C12-C16	6.759	10.191	5757616.000	40.000	ug/ml
Aliphatic C16-C21	10.192	13.550	8410292.000	60.000	ug/ml
Aliphatic C21-C28	13.551	17.206	11021730.000	80.000	ug/ml
Aliphatic C28-C40	17.207	22.053	14486876.000	120.000	ug/ml
Aliphatic EPH	3.140	22.053	48491809.000	360.000	ug/ml

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LAB CHRONICLE

OrderID:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-03	**WC-1(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Mercury	7471B		11/07/24	11/07/24	
			Metals ICP-TAL	6010D		11/06/24	11/07/24	
			Metals ICP-TAL	6010D		11/06/24	11/08/24	
P4722-04	**WC-1(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP ICP Metals	6010D		11/07/24	11/08/24	
			TCLP Mercury	7470A		11/08/24	11/08/24	
P4722-05	**WC-1(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP ICP Metals	6010D		11/11/24	11/14/24	
			SPLP Mercury	7470A		11/11/24	11/12/24	
P4722-08	**WC-2(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Mercury	7471B		11/07/24	11/07/24	
			Metals ICP-TAL	6010D		11/06/24	11/07/24	
P4722-09	**WC-2(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP ICP Metals	6010D		11/07/24	11/08/24	
			TCLP Mercury	7470A		11/08/24	11/08/24	
P4722-10	**WC-2(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP ICP Metals	6010D		11/11/24	11/14/24	
			SPLP Mercury	7470A		11/11/24	11/12/24	
P4722-13	**WC-3(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Mercury	7471B		11/07/24	11/07/24	
			Metals ICP-TAL	6010D		11/06/24	11/07/24	
P4722-14	**WC-3(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP ICP Metals	6010D		11/07/24	11/08/24	
			TCLP Mercury	7470A		11/08/24	11/08/24	

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LAB CHRONICLE

P4722-15	**WC-3(0-6)**	**Water**			**11/05/24**		**11/05/24**
			SPLP ICP Metals	6010D		11/11/24	11/14/24
			SPLP Mercury	7470A		11/11/24	11/12/24

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Hit Summary Sheet
SW-846

SDG No.: P4722 **Order ID:** P4722

Client: Walsh Construction Company II, LLC **Project ID:** NYCDEP C547A - Shafts 17B-1 & 18B-1 S

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC-1(0-6)								
P4722-03	WC-1(0-6)	SOIL	Aluminum	5600		2.16	4.48	mg/Kg
P4722-03	WC-1(0-6)	SOIL	Antimony	2.77		0.13	2.24	mg/Kg
P4722-03	WC-1(0-6)	SOIL	Arsenic	5.57		0.26	0.90	mg/Kg
P4722-03	WC-1(0-6)	SOIL	Barium	160		0.57	4.48	mg/Kg
P4722-03	WC-1(0-6)	SOIL	Beryllium	0.86		0.011	0.27	mg/Kg
P4722-03	WC-1(0-6)	SOIL	Cadmium	10.4		0.014	0.27	mg/Kg
P4722-03	WC-1(0-6)	SOIL	Calcium	29600		2.51	89.6	mg/Kg
P4722-03	WC-1(0-6)	SOIL	Chromium	65.5		0.048	0.45	mg/Kg
P4722-03	WC-1(0-6)	SOIL	Cobalt	101		0.052	1.34	mg/Kg
P4722-03	WC-1(0-6)	SOIL	Copper	797		0.42	0.90	mg/Kg
P4722-03	WC-1(0-6)	SOIL	Iron	69700	D	12.0	22.4	mg/Kg
P4722-03	WC-1(0-6)	SOIL	Lead	305		0.13	0.54	mg/Kg
P4722-03	WC-1(0-6)	SOIL	Magnesium	12300		3.07	89.6	mg/Kg
P4722-03	WC-1(0-6)	SOIL	Manganese	229		0.064	0.90	mg/Kg
P4722-03	WC-1(0-6)	SOIL	Mercury	0.20		0.0070	0.015	mg/Kg
P4722-03	WC-1(0-6)	SOIL	Nickel	21.6		0.081	1.79	mg/Kg
P4722-03	WC-1(0-6)	SOIL	Potassium	1150		25.7	89.6	mg/Kg
P4722-03	WC-1(0-6)	SOIL	Sodium	1240		32.3	89.6	mg/Kg
P4722-03	WC-1(0-6)	SOIL	Thallium	3.78		0.39	1.79	mg/Kg
P4722-03	WC-1(0-6)	SOIL	Vanadium	32.8		0.24	1.79	mg/Kg
P4722-03	WC-1(0-6)	SOIL	Zinc	1030		0.099	1.79	mg/Kg
Client ID : WC-2(0-6)								
P4722-08	WC-2(0-6)	SOIL	Aluminum	7170		2.35	4.87	mg/Kg
P4722-08	WC-2(0-6)	SOIL	Antimony	7.41		0.15	2.43	mg/Kg
P4722-08	WC-2(0-6)	SOIL	Arsenic	18.4		0.28	0.97	mg/Kg
P4722-08	WC-2(0-6)	SOIL	Barium	862		0.62	4.87	mg/Kg
P4722-08	WC-2(0-6)	SOIL	Beryllium	0.84		0.012	0.29	mg/Kg
P4722-08	WC-2(0-6)	SOIL	Cadmium	7.47		0.016	0.29	mg/Kg
P4722-08	WC-2(0-6)	SOIL	Calcium	30500		2.73	97.4	mg/Kg
P4722-08	WC-2(0-6)	SOIL	Chromium	79.3		0.053	0.49	mg/Kg
P4722-08	WC-2(0-6)	SOIL	Cobalt	58.6		0.056	1.46	mg/Kg
P4722-08	WC-2(0-6)	SOIL	Copper	696		0.46	0.97	mg/Kg
P4722-08	WC-2(0-6)	SOIL	Iron	42400		2.62	4.87	mg/Kg
P4722-08	WC-2(0-6)	SOIL	Lead	1170		0.15	0.58	mg/Kg
P4722-08	WC-2(0-6)	SOIL	Magnesium	5640		3.34	97.4	mg/Kg
P4722-08	WC-2(0-6)	SOIL	Manganese	305		0.069	0.97	mg/Kg
P4722-08	WC-2(0-6)	SOIL	Mercury	0.040		0.0060	0.015	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: P4722 **Order ID:** P4722

Client: Walsh Construction Company II, LLC **Project ID:** NYCDEP C547A - Shafts 17B-1 & 18B-1 S

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4722-08	WC-2(0-6)	SOIL	Nickel	23.9		0.088	1.95	mg/Kg
P4722-08	WC-2(0-6)	SOIL	Potassium	1080		27.9	97.4	mg/Kg
P4722-08	WC-2(0-6)	SOIL	Silver	0.52		0.051	0.49	mg/Kg
P4722-08	WC-2(0-6)	SOIL	Sodium	1490		35.1	97.4	mg/Kg
P4722-08	WC-2(0-6)	SOIL	Thallium	2.86		0.43	1.95	mg/Kg
P4722-08	WC-2(0-6)	SOIL	Vanadium	25.7		0.26	1.95	mg/Kg
P4722-08	WC-2(0-6)	SOIL	Zinc	1150		0.11	1.95	mg/Kg
Client ID : WC-3(0-6)								
P4722-13	WC-3(0-6)	SOIL	Aluminum	5780		2.35	4.87	mg/Kg
P4722-13	WC-3(0-6)	SOIL	Antimony	1.20	J	0.15	2.44	mg/Kg
P4722-13	WC-3(0-6)	SOIL	Arsenic	8.50		0.28	0.97	mg/Kg
P4722-13	WC-3(0-6)	SOIL	Barium	238		0.62	4.87	mg/Kg
P4722-13	WC-3(0-6)	SOIL	Beryllium	0.49		0.012	0.29	mg/Kg
P4722-13	WC-3(0-6)	SOIL	Cadmium	3.89		0.016	0.29	mg/Kg
P4722-13	WC-3(0-6)	SOIL	Calcium	18100		2.73	97.4	mg/Kg
P4722-13	WC-3(0-6)	SOIL	Chromium	18.2		0.053	0.49	mg/Kg
P4722-13	WC-3(0-6)	SOIL	Cobalt	8.42		0.057	1.46	mg/Kg
P4722-13	WC-3(0-6)	SOIL	Copper	148		0.46	0.97	mg/Kg
P4722-13	WC-3(0-6)	SOIL	Iron	20100		2.62	4.87	mg/Kg
P4722-13	WC-3(0-6)	SOIL	Lead	468		0.15	0.59	mg/Kg
P4722-13	WC-3(0-6)	SOIL	Magnesium	4310		3.34	97.4	mg/Kg
P4722-13	WC-3(0-6)	SOIL	Manganese	203		0.069	0.97	mg/Kg
P4722-13	WC-3(0-6)	SOIL	Mercury	0.42		0.0060	0.014	mg/Kg
P4722-13	WC-3(0-6)	SOIL	Nickel	21.3		0.088	1.95	mg/Kg
P4722-13	WC-3(0-6)	SOIL	Potassium	962		28.0	97.4	mg/Kg
P4722-13	WC-3(0-6)	SOIL	Silver	0.50		0.051	0.49	mg/Kg
P4722-13	WC-3(0-6)	SOIL	Sodium	813		35.2	97.4	mg/Kg
P4722-13	WC-3(0-6)	SOIL	Vanadium	21.7		0.26	1.95	mg/Kg
P4722-13	WC-3(0-6)	SOIL	Zinc	521		0.11	1.95	mg/Kg

SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5600		1	2.16	4.48	mg/Kg	11/06/24 13:30	11/07/24 21:29	SW6010	SW3050
7440-36-0	Antimony	2.77		1	0.13	2.24	mg/Kg	11/06/24 13:30	11/07/24 21:29	SW6010	SW3050
7440-38-2	Arsenic	5.57		1	0.26	0.90	mg/Kg	11/06/24 13:30	11/07/24 21:29	SW6010	SW3050
7440-39-3	Barium	160		1	0.57	4.48	mg/Kg	11/06/24 13:30	11/07/24 21:29	SW6010	SW3050
7440-41-7	Beryllium	0.86	N	1	0.011	0.27	mg/Kg	11/06/24 13:30	11/07/24 21:29	SW6010	SW3050
7440-43-9	Cadmium	10.4		1	0.014	0.27	mg/Kg	11/06/24 13:30	11/07/24 21:29	SW6010	SW3050
7440-70-2	Calcium	29600		1	2.51	89.6	mg/Kg	11/06/24 13:30	11/07/24 21:29	SW6010	SW3050
7440-47-3	Chromium	65.5	N	1	0.048	0.45	mg/Kg	11/06/24 13:30	11/07/24 21:29	SW6010	SW3050
7440-48-4	Cobalt	101		1	0.052	1.34	mg/Kg	11/06/24 13:30	11/07/24 21:29	SW6010	SW3050
7440-50-8	Copper	797	N	1	0.42	0.90	mg/Kg	11/06/24 13:30	11/07/24 21:29	SW6010	SW3050
7439-89-6	Iron	69700	D	5	12.0	22.4	mg/Kg	11/06/24 13:30	11/08/24 00:26	SW6010	SW3050
7439-92-1	Lead	305		1	0.13	0.54	mg/Kg	11/06/24 13:30	11/07/24 21:29	SW6010	SW3050
7439-95-4	Magnesium	12300		1	3.07	89.6	mg/Kg	11/06/24 13:30	11/07/24 21:29	SW6010	SW3050
7439-96-5	Manganese	229		1	0.064	0.90	mg/Kg	11/06/24 13:30	11/07/24 21:29	SW6010	SW3050
7439-97-6	Mercury	0.20		1	0.0070	0.015	mg/Kg	11/07/24 10:15	11/07/24 15:31	SW7471B	
7440-02-0	Nickel	21.6		1	0.081	1.79	mg/Kg	11/06/24 13:30	11/07/24 21:29	SW6010	SW3050
7440-09-7	Potassium	1150	N	1	25.7	89.6	mg/Kg	11/06/24 13:30	11/07/24 21:29	SW6010	SW3050
7782-49-2	Selenium	0.30	UN	1	0.30	0.90	mg/Kg	11/06/24 13:30	11/07/24 21:29	SW6010	SW3050
7440-22-4	Silver	0.047	UN	1	0.047	0.45	mg/Kg	11/06/24 13:30	11/07/24 21:29	SW6010	SW3050
7440-23-5	Sodium	1240		1	32.3	89.6	mg/Kg	11/06/24 13:30	11/07/24 21:29	SW6010	SW3050
7440-28-0	Thallium	3.78		1	0.39	1.79	mg/Kg	11/06/24 13:30	11/07/24 21:29	SW6010	SW3050
7440-62-2	Vanadium	32.8	N	1	0.24	1.79	mg/Kg	11/06/24 13:30	11/07/24 21:29	SW6010	SW3050
7440-66-6	Zinc	1030		1	0.099	1.79	mg/Kg	11/06/24 13:30	11/07/24 21:29	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	N/A
Comments:	METALS TAL+CN				

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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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7170		1	2.35	4.87	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050
7440-36-0	Antimony	7.41		1	0.15	2.43	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050
7440-38-2	Arsenic	18.4		1	0.28	0.97	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050
7440-39-3	Barium	862		1	0.62	4.87	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050
7440-41-7	Beryllium	0.84	N	1	0.012	0.29	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050
7440-43-9	Cadmium	7.47		1	0.016	0.29	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050
7440-70-2	Calcium	30500		1	2.73	97.4	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050
7440-47-3	Chromium	79.3	N	1	0.053	0.49	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050
7440-48-4	Cobalt	58.6		1	0.056	1.46	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050
7440-50-8	Copper	696	N	1	0.46	0.97	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050
7439-89-6	Iron	42400		1	2.62	4.87	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050
7439-92-1	Lead	1170		1	0.15	0.58	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050
7439-95-4	Magnesium	5640		1	3.34	97.4	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050
7439-96-5	Manganese	305		1	0.069	0.97	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050
7439-97-6	Mercury	0.040		1	0.0060	0.015	mg/Kg	11/07/24 10:15	11/07/24 15:34	SW7471B	
7440-02-0	Nickel	23.9		1	0.088	1.95	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050
7440-09-7	Potassium	1080	N	1	27.9	97.4	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050
7782-49-2	Selenium	0.32	UN	1	0.32	0.97	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050
7440-22-4	Silver	0.52	N	1	0.051	0.49	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050
7440-23-5	Sodium	1490		1	35.1	97.4	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050
7440-28-0	Thallium	2.86		1	0.43	1.95	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050
7440-62-2	Vanadium	25.7	N	1	0.26	1.95	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050
7440-66-6	Zinc	1150		1	0.11	1.95	mg/Kg	11/06/24 13:30	11/07/24 21:33	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	N/A
Comments:	METALS TAL+CN				

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,
Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-13	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5780		1	2.35	4.87	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050
7440-36-0	Antimony	1.20	J	1	0.15	2.44	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050
7440-38-2	Arsenic	8.50		1	0.28	0.97	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050
7440-39-3	Barium	238		1	0.62	4.87	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050
7440-41-7	Beryllium	0.49	N	1	0.012	0.29	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050
7440-43-9	Cadmium	3.89		1	0.016	0.29	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050
7440-70-2	Calcium	18100		1	2.73	97.4	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050
7440-47-3	Chromium	18.2	N	1	0.053	0.49	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050
7440-48-4	Cobalt	8.42		1	0.057	1.46	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050
7440-50-8	Copper	148	N	1	0.46	0.97	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050
7439-89-6	Iron	20100		1	2.62	4.87	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050
7439-92-1	Lead	468		1	0.15	0.59	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050
7439-95-4	Magnesium	4310		1	3.34	97.4	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050
7439-96-5	Manganese	203		1	0.069	0.97	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050
7439-97-6	Mercury	0.42		1	0.0060	0.014	mg/Kg	11/07/24 10:15	11/07/24 15:36	SW7471B	
7440-02-0	Nickel	21.3		1	0.088	1.95	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050
7440-09-7	Potassium	962	N	1	28.0	97.4	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050
7782-49-2	Selenium	0.32	UN	1	0.32	0.97	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050
7440-22-4	Silver	0.50	N	1	0.051	0.49	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050
7440-23-5	Sodium	813		1	35.2	97.4	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050
7440-28-0	Thallium	0.43	U	1	0.43	1.95	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050
7440-62-2	Vanadium	21.7	N	1	0.26	1.95	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050
7440-66-6	Zinc	521		1	0.11	1.95	mg/Kg	11/06/24 13:30	11/07/24 21:38	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	N/A
Comments:	METALS TAL+CN				

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

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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
ICV74	Mercury	3.93	4.0	98	90 - 110	CV	11/07/2024	14:41	LB133334

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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
CCV47	Mercury	4.81	5.0	96	90 - 110	CV	11/07/2024	14:45	LB133334
CCV48	Mercury	4.90	5.0	98	90 - 110	CV	11/07/2024	15:13	LB133334
CCV49	Mercury	4.92	5.0	98	90 - 110	CV	11/07/2024	15:40	LB133334
CCV50	Mercury	4.92	5.0	98	90 - 110	CV	11/07/2024	16:08	LB133334

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	2590	2500	104	90 - 110	P	11/07/2024	13:49	LB133344
	Antimony	1010	1000	101	90 - 110	P	11/07/2024	13:49	LB133344
	Arsenic	1030	1000	103	90 - 110	P	11/07/2024	13:49	LB133344
	Barium	521	520	100	90 - 110	P	11/07/2024	13:49	LB133344
	Beryllium	515	510	101	90 - 110	P	11/07/2024	13:49	LB133344
	Cadmium	509	510	100	90 - 110	P	11/07/2024	13:49	LB133344
	Calcium	10200	10000	102	90 - 110	P	11/07/2024	13:49	LB133344
	Chromium	531	520	102	90 - 110	P	11/07/2024	13:49	LB133344
	Cobalt	516	520	99	90 - 110	P	11/07/2024	13:49	LB133344
	Copper	531	510	104	90 - 110	P	11/07/2024	13:49	LB133344
	Iron	9990	10000	100	90 - 110	P	11/07/2024	13:49	LB133344
	Lead	1020	1000	102	90 - 110	P	11/07/2024	13:49	LB133344
	Magnesium	6010	6000	100	90 - 110	P	11/07/2024	13:49	LB133344
	Manganese	526	520	101	90 - 110	P	11/07/2024	13:49	LB133344
	Nickel	518	530	98	90 - 110	P	11/07/2024	13:49	LB133344
	Potassium	9890	9900	100	90 - 110	P	11/07/2024	13:49	LB133344
	Selenium	1040	1000	104	90 - 110	P	11/07/2024	13:49	LB133344
	Silver	256	250	102	90 - 110	P	11/07/2024	13:49	LB133344
	Sodium	9440	10000	94	90 - 110	P	11/07/2024	13:49	LB133344
	Thallium	1100	1000	110	90 - 110	P	11/07/2024	13:49	LB133344
	Vanadium	507	500	101	90 - 110	P	11/07/2024	13:49	LB133344
	Zinc	1050	1000	105	90 - 110	P	11/07/2024	13:49	LB133344

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	103	100	103	80 - 120	P	11/07/2024	14:23	LB133344
	Antimony	50.8	50.0	102	80 - 120	P	11/07/2024	14:23	LB133344
	Arsenic	18.0	20.0	90	80 - 120	P	11/07/2024	14:23	LB133344
	Barium	100	100	100	80 - 120	P	11/07/2024	14:23	LB133344
	Beryllium	5.93	6.0	99	80 - 120	P	11/07/2024	14:23	LB133344
	Cadmium	6.52	6.0	109	80 - 120	P	11/07/2024	14:23	LB133344
	Calcium	2010	2000	100	80 - 120	P	11/07/2024	14:23	LB133344
	Chromium	9.52	10.0	95	80 - 120	P	11/07/2024	14:23	LB133344
	Cobalt	29.4	30.0	98	80 - 120	P	11/07/2024	14:23	LB133344
	Copper	22.7	20.0	114	80 - 120	P	11/07/2024	14:23	LB133344
	Iron	96.8	100	97	80 - 120	P	11/07/2024	14:23	LB133344
	Lead	11.4	12.0	95	80 - 120	P	11/07/2024	14:23	LB133344
	Magnesium	2020	2000	101	80 - 120	P	11/07/2024	14:23	LB133344
	Manganese	20.2	20.0	101	80 - 120	P	11/07/2024	14:23	LB133344
	Nickel	38.5	40.0	96	80 - 120	P	11/07/2024	14:23	LB133344
	Potassium	2010	2000	101	80 - 120	P	11/07/2024	14:23	LB133344
	Selenium	20.8	20.0	104	80 - 120	P	11/07/2024	14:23	LB133344
	Silver	10.8	10.0	108	80 - 120	P	11/07/2024	14:23	LB133344
	Sodium	1680	2000	84	80 - 120	P	11/07/2024	14:23	LB133344
	Thallium	43.4	40.0	108	80 - 120	P	11/07/2024	14:23	LB133344
	Vanadium	40.8	40.0	102	80 - 120	P	11/07/2024	14:23	LB133344
	Zinc	42.0	40.0	105	80 - 120	P	11/07/2024	14:23	LB133344

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	10000	10000	100	90 - 110	P	11/07/2024	15:01	LB133344
	Antimony	5120	5000	102	90 - 110	P	11/07/2024	15:01	LB133344
	Arsenic	5040	5000	101	90 - 110	P	11/07/2024	15:01	LB133344
	Barium	9710	10000	97	90 - 110	P	11/07/2024	15:01	LB133344
	Beryllium	239	250	96	90 - 110	P	11/07/2024	15:01	LB133344
	Cadmium	2450	2500	98	90 - 110	P	11/07/2024	15:01	LB133344
	Calcium	24000	25000	96	90 - 110	P	11/07/2024	15:01	LB133344
	Chromium	992	1000	99	90 - 110	P	11/07/2024	15:01	LB133344
	Cobalt	2450	2500	98	90 - 110	P	11/07/2024	15:01	LB133344
	Copper	1270	1250	102	90 - 110	P	11/07/2024	15:01	LB133344
	Iron	4870	5000	97	90 - 110	P	11/07/2024	15:01	LB133344
	Lead	4920	5000	98	90 - 110	P	11/07/2024	15:01	LB133344
	Magnesium	24000	25000	96	90 - 110	P	11/07/2024	15:01	LB133344
	Manganese	2370	2500	95	90 - 110	P	11/07/2024	15:01	LB133344
	Nickel	2450	2500	98	90 - 110	P	11/07/2024	15:01	LB133344
	Potassium	25100	25000	100	90 - 110	P	11/07/2024	15:01	LB133344
	Selenium	5150	5000	103	90 - 110	P	11/07/2024	15:01	LB133344
	Silver	1240	1250	99	90 - 110	P	11/07/2024	15:01	LB133344
	Sodium	25300	25000	101	90 - 110	P	11/07/2024	15:01	LB133344
	Thallium	5140	5000	103	90 - 110	P	11/07/2024	15:01	LB133344
	Vanadium	2450	2500	98	90 - 110	P	11/07/2024	15:01	LB133344
	Zinc	2530	2500	101	90 - 110	P	11/07/2024	15:01	LB133344
CCV02	Aluminum	9620	10000	96	90 - 110	P	11/07/2024	15:53	LB133344
	Antimony	5030	5000	101	90 - 110	P	11/07/2024	15:53	LB133344
	Arsenic	4950	5000	99	90 - 110	P	11/07/2024	15:53	LB133344
	Barium	9390	10000	94	90 - 110	P	11/07/2024	15:53	LB133344
	Beryllium	231	250	92	90 - 110	P	11/07/2024	15:53	LB133344
	Cadmium	2390	2500	96	90 - 110	P	11/07/2024	15:53	LB133344
	Calcium	23100	25000	92	90 - 110	P	11/07/2024	15:53	LB133344
	Chromium	963	1000	96	90 - 110	P	11/07/2024	15:53	LB133344
	Cobalt	2390	2500	96	90 - 110	P	11/07/2024	15:53	LB133344
	Copper	1250	1250	100	90 - 110	P	11/07/2024	15:53	LB133344
	Iron	4810	5000	96	90 - 110	P	11/07/2024	15:53	LB133344
	Lead	4800	5000	96	90 - 110	P	11/07/2024	15:53	LB133344

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	23100	25000	92	90 - 110	P	11/07/2024	15:53	LB133344
	Manganese	2280	2500	91	90 - 110	P	11/07/2024	15:53	LB133344
	Nickel	2390	2500	96	90 - 110	P	11/07/2024	15:53	LB133344
	Potassium	25000	25000	100	90 - 110	P	11/07/2024	15:53	LB133344
	Selenium	5050	5000	101	90 - 110	P	11/07/2024	15:53	LB133344
	Silver	1220	1250	98	90 - 110	P	11/07/2024	15:53	LB133344
	Sodium	25800	25000	103	90 - 110	P	11/07/2024	15:53	LB133344
	Thallium	4850	5000	97	90 - 110	P	11/07/2024	15:53	LB133344
	Vanadium	2370	2500	95	90 - 110	P	11/07/2024	15:53	LB133344
	Zinc	2480	2500	99	90 - 110	P	11/07/2024	15:53	LB133344
CCV03	Aluminum	10100	10000	101	90 - 110	P	11/07/2024	16:45	LB133344
	Antimony	5250	5000	105	90 - 110	P	11/07/2024	16:45	LB133344
	Arsenic	5190	5000	104	90 - 110	P	11/07/2024	16:45	LB133344
	Barium	9850	10000	98	90 - 110	P	11/07/2024	16:45	LB133344
	Beryllium	235	250	94	90 - 110	P	11/07/2024	16:45	LB133344
	Cadmium	2470	2500	99	90 - 110	P	11/07/2024	16:45	LB133344
	Calcium	24000	25000	96	90 - 110	P	11/07/2024	16:45	LB133344
	Chromium	993	1000	99	90 - 110	P	11/07/2024	16:45	LB133344
	Cobalt	2470	2500	99	90 - 110	P	11/07/2024	16:45	LB133344
	Copper	1300	1250	104	90 - 110	P	11/07/2024	16:45	LB133344
	Iron	4970	5000	99	90 - 110	P	11/07/2024	16:45	LB133344
	Lead	4970	5000	99	90 - 110	P	11/07/2024	16:45	LB133344
	Magnesium	23900	25000	96	90 - 110	P	11/07/2024	16:45	LB133344
	Manganese	2370	2500	95	90 - 110	P	11/07/2024	16:45	LB133344
	Nickel	2480	2500	99	90 - 110	P	11/07/2024	16:45	LB133344
	Potassium	25900	25000	103	90 - 110	P	11/07/2024	16:45	LB133344
	Selenium	5320	5000	106	90 - 110	P	11/07/2024	16:45	LB133344
	Silver	1240	1250	100	90 - 110	P	11/07/2024	16:45	LB133344
	Sodium	25500	25000	102	90 - 110	P	11/07/2024	16:45	LB133344
	Thallium	5400	5000	108	90 - 110	P	11/07/2024	16:45	LB133344
	Vanadium	2460	2500	98	90 - 110	P	11/07/2024	16:45	LB133344
	Zinc	2400	2500	96	90 - 110	P	11/07/2024	16:45	LB133344
CCV04	Aluminum	10200	10000	102	90 - 110	P	11/07/2024	17:56	LB133344
	Antimony	5280	5000	106	90 - 110	P	11/07/2024	17:56	LB133344

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	5210	5000	104	90 - 110	P	11/07/2024	17:56	LB133344
	Barium	9810	10000	98	90 - 110	P	11/07/2024	17:56	LB133344
	Beryllium	242	250	97	90 - 110	P	11/07/2024	17:56	LB133344
	Cadmium	2500	2500	100	90 - 110	P	11/07/2024	17:56	LB133344
	Calcium	24200	25000	97	90 - 110	P	11/07/2024	17:56	LB133344
	Chromium	1020	1000	102	90 - 110	P	11/07/2024	17:56	LB133344
	Cobalt	2490	2500	100	90 - 110	P	11/07/2024	17:56	LB133344
	Copper	1300	1250	104	90 - 110	P	11/07/2024	17:56	LB133344
	Iron	4980	5000	100	90 - 110	P	11/07/2024	17:56	LB133344
	Lead	5010	5000	100	90 - 110	P	11/07/2024	17:56	LB133344
	Magnesium	24300	25000	97	90 - 110	P	11/07/2024	17:56	LB133344
	Manganese	2370	2500	95	90 - 110	P	11/07/2024	17:56	LB133344
	Nickel	2490	2500	100	90 - 110	P	11/07/2024	17:56	LB133344
	Potassium	26000	25000	104	90 - 110	P	11/07/2024	17:56	LB133344
	Selenium	5390	5000	108	90 - 110	P	11/07/2024	17:56	LB133344
	Silver	1260	1250	101	90 - 110	P	11/07/2024	17:56	LB133344
	Sodium	25400	25000	102	90 - 110	P	11/07/2024	17:56	LB133344
	Thallium	5070	5000	102	90 - 110	P	11/07/2024	17:56	LB133344
	Vanadium	2490	2500	99	90 - 110	P	11/07/2024	17:56	LB133344
	Zinc	2510	2500	100	90 - 110	P	11/07/2024	17:56	LB133344
CCV05	Aluminum	10000	10000	100	90 - 110	P	11/07/2024	18:32	LB133344
	Antimony	5190	5000	104	90 - 110	P	11/07/2024	18:32	LB133344
	Arsenic	5120	5000	102	90 - 110	P	11/07/2024	18:32	LB133344
	Barium	9790	10000	98	90 - 110	P	11/07/2024	18:32	LB133344
	Beryllium	236	250	94	90 - 110	P	11/07/2024	18:32	LB133344
	Cadmium	2430	2500	97	90 - 110	P	11/07/2024	18:32	LB133344
	Calcium	23800	25000	95	90 - 110	P	11/07/2024	18:32	LB133344
	Chromium	988	1000	99	90 - 110	P	11/07/2024	18:32	LB133344
	Cobalt	2430	2500	97	90 - 110	P	11/07/2024	18:32	LB133344
	Copper	1280	1250	102	90 - 110	P	11/07/2024	18:32	LB133344
	Iron	4910	5000	98	90 - 110	P	11/07/2024	18:32	LB133344
	Lead	4880	5000	98	90 - 110	P	11/07/2024	18:32	LB133344
	Magnesium	23800	25000	95	90 - 110	P	11/07/2024	18:32	LB133344
	Manganese	2350	2500	94	90 - 110	P	11/07/2024	18:32	LB133344

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	2430	2500	97	90 - 110	P	11/07/2024	18:32	LB133344
	Potassium	25800	25000	103	90 - 110	P	11/07/2024	18:32	LB133344
	Selenium	5290	5000	106	90 - 110	P	11/07/2024	18:32	LB133344
	Silver	1240	1250	99	90 - 110	P	11/07/2024	18:32	LB133344
	Sodium	25600	25000	102	90 - 110	P	11/07/2024	18:32	LB133344
	Thallium	5000	5000	100	90 - 110	P	11/07/2024	18:32	LB133344
	Vanadium	2440	2500	98	90 - 110	P	11/07/2024	18:32	LB133344
	Zinc	2500	2500	100	90 - 110	P	11/07/2024	18:32	LB133344
CCV06	Aluminum	9950	10000	100	90 - 110	P	11/07/2024	19:08	LB133344
	Antimony	5160	5000	103	90 - 110	P	11/07/2024	19:08	LB133344
	Arsenic	5110	5000	102	90 - 110	P	11/07/2024	19:08	LB133344
	Barium	9640	10000	96	90 - 110	P	11/07/2024	19:08	LB133344
	Beryllium	238	250	95	90 - 110	P	11/07/2024	19:08	LB133344
	Cadmium	2460	2500	99	90 - 110	P	11/07/2024	19:08	LB133344
	Calcium	23800	25000	95	90 - 110	P	11/07/2024	19:08	LB133344
	Chromium	994	1000	99	90 - 110	P	11/07/2024	19:08	LB133344
	Cobalt	2460	2500	98	90 - 110	P	11/07/2024	19:08	LB133344
	Copper	1270	1250	102	90 - 110	P	11/07/2024	19:08	LB133344
	Iron	4870	5000	97	90 - 110	P	11/07/2024	19:08	LB133344
	Lead	4930	5000	99	90 - 110	P	11/07/2024	19:08	LB133344
	Magnesium	23800	25000	95	90 - 110	P	11/07/2024	19:08	LB133344
	Manganese	2330	2500	93	90 - 110	P	11/07/2024	19:08	LB133344
	Nickel	2460	2500	98	90 - 110	P	11/07/2024	19:08	LB133344
	Potassium	25300	25000	101	90 - 110	P	11/07/2024	19:08	LB133344
	Selenium	5260	5000	105	90 - 110	P	11/07/2024	19:08	LB133344
	Silver	1240	1250	99	90 - 110	P	11/07/2024	19:08	LB133344
	Sodium	25300	25000	101	90 - 110	P	11/07/2024	19:08	LB133344
	Thallium	5060	5000	101	90 - 110	P	11/07/2024	19:08	LB133344
	Vanadium	2430	2500	97	90 - 110	P	11/07/2024	19:08	LB133344
	Zinc	2490	2500	100	90 - 110	P	11/07/2024	19:08	LB133344
CCV07	Aluminum	9840	10000	98	90 - 110	P	11/07/2024	19:58	LB133344
	Antimony	5160	5000	103	90 - 110	P	11/07/2024	19:58	LB133344
	Arsenic	5100	5000	102	90 - 110	P	11/07/2024	19:58	LB133344
	Barium	9400	10000	94	90 - 110	P	11/07/2024	19:58	LB133344

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Fax : 908 789 8922

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	232	250	93	90 - 110	P	11/07/2024	19:58	LB133344
	Cadmium	2420	2500	97	90 - 110	P	11/07/2024	19:58	LB133344
	Calcium	23300	25000	93	90 - 110	P	11/07/2024	19:58	LB133344
	Chromium	986	1000	99	90 - 110	P	11/07/2024	19:58	LB133344
	Cobalt	2410	2500	96	90 - 110	P	11/07/2024	19:58	LB133344
	Copper	1270	1250	101	90 - 110	P	11/07/2024	19:58	LB133344
	Iron	4800	5000	96	90 - 110	P	11/07/2024	19:58	LB133344
	Lead	4850	5000	97	90 - 110	P	11/07/2024	19:58	LB133344
	Magnesium	23400	25000	94	90 - 110	P	11/07/2024	19:58	LB133344
	Manganese	2270	2500	91	90 - 110	P	11/07/2024	19:58	LB133344
	Nickel	2410	2500	96	90 - 110	P	11/07/2024	19:58	LB133344
	Potassium	25200	25000	101	90 - 110	P	11/07/2024	19:58	LB133344
	Selenium	5270	5000	105	90 - 110	P	11/07/2024	19:58	LB133344
	Silver	1230	1250	98	90 - 110	P	11/07/2024	19:58	LB133344
	Sodium	24900	25000	100	90 - 110	P	11/07/2024	19:58	LB133344
	Thallium	4910	5000	98	90 - 110	P	11/07/2024	19:58	LB133344
	Vanadium	2400	2500	96	90 - 110	P	11/07/2024	19:58	LB133344
	Zinc	2490	2500	100	90 - 110	P	11/07/2024	19:58	LB133344
CCV08	Aluminum	9850	10000	98	90 - 110	P	11/07/2024	20:58	LB133344
	Antimony	5180	5000	104	90 - 110	P	11/07/2024	20:58	LB133344
	Arsenic	5100	5000	102	90 - 110	P	11/07/2024	20:58	LB133344
	Barium	9480	10000	95	90 - 110	P	11/07/2024	20:58	LB133344
	Beryllium	234	250	94	90 - 110	P	11/07/2024	20:58	LB133344
	Cadmium	2410	2500	96	90 - 110	P	11/07/2024	20:58	LB133344
	Calcium	23200	25000	93	90 - 110	P	11/07/2024	20:58	LB133344
	Chromium	989	1000	99	90 - 110	P	11/07/2024	20:58	LB133344
	Cobalt	2410	2500	96	90 - 110	P	11/07/2024	20:58	LB133344
	Copper	1270	1250	102	90 - 110	P	11/07/2024	20:58	LB133344
	Iron	4890	5000	98	90 - 110	P	11/07/2024	20:58	LB133344
	Lead	4840	5000	97	90 - 110	P	11/07/2024	20:58	LB133344
	Magnesium	23300	25000	93	90 - 110	P	11/07/2024	20:58	LB133344
	Manganese	2280	2500	91	90 - 110	P	11/07/2024	20:58	LB133344
	Nickel	2410	2500	96	90 - 110	P	11/07/2024	20:58	LB133344
	Potassium	25900	25000	104	90 - 110	P	11/07/2024	20:58	LB133344

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Fax : 908 789 8922

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	5290	5000	106	90 - 110	P	11/07/2024	20:58	LB133344
	Silver	1250	1250	100	90 - 110	P	11/07/2024	20:58	LB133344
	Sodium	26000	25000	104	90 - 110	P	11/07/2024	20:58	LB133344
	Thallium	4970	5000	99	90 - 110	P	11/07/2024	20:58	LB133344
	Vanadium	2390	2500	96	90 - 110	P	11/07/2024	20:58	LB133344
	Zinc	2530	2500	101	90 - 110	P	11/07/2024	20:58	LB133344
CCV09	Aluminum	9720	10000	97	90 - 110	P	11/07/2024	21:51	LB133344
	Antimony	5100	5000	102	90 - 110	P	11/07/2024	21:51	LB133344
	Arsenic	5030	5000	100	90 - 110	P	11/07/2024	21:51	LB133344
	Barium	9510	10000	95	90 - 110	P	11/07/2024	21:51	LB133344
	Beryllium	231	250	92	90 - 110	P	11/07/2024	21:51	LB133344
	Cadmium	2390	2500	95	90 - 110	P	11/07/2024	21:51	LB133344
	Calcium	23100	25000	92	90 - 110	P	11/07/2024	21:51	LB133344
	Chromium	966	1000	97	90 - 110	P	11/07/2024	21:51	LB133344
	Cobalt	2380	2500	95	90 - 110	P	11/07/2024	21:51	LB133344
	Copper	1250	1250	100	90 - 110	P	11/07/2024	21:51	LB133344
	Iron	4750	5000	95	90 - 110	P	11/07/2024	21:51	LB133344
	Lead	4780	5000	96	90 - 110	P	11/07/2024	21:51	LB133344
	Magnesium	22900	25000	92	90 - 110	P	11/07/2024	21:51	LB133344
	Manganese	2250	2500	90	90 - 110	P	11/07/2024	21:51	LB133344
	Nickel	2380	2500	95	90 - 110	P	11/07/2024	21:51	LB133344
	Potassium	25100	25000	100	90 - 110	P	11/07/2024	21:51	LB133344
	Selenium	5170	5000	103	90 - 110	P	11/07/2024	21:51	LB133344
	Silver	1210	1250	97	90 - 110	P	11/07/2024	21:51	LB133344
	Sodium	25300	25000	101	90 - 110	P	11/07/2024	21:51	LB133344
	Thallium	5380	5000	108	90 - 110	P	11/07/2024	21:51	LB133344
	Vanadium	2360	2500	94	90 - 110	P	11/07/2024	21:51	LB133344
	Zinc	2670	2500	107	90 - 110	P	11/07/2024	21:51	LB133344
CCV10	Aluminum	9650	10000	96	90 - 110	P	11/07/2024	22:52	LB133344
	Antimony	5080	5000	102	90 - 110	P	11/07/2024	22:52	LB133344
	Arsenic	5000	5000	100	90 - 110	P	11/07/2024	22:52	LB133344
	Barium	9460	10000	95	90 - 110	P	11/07/2024	22:52	LB133344
	Beryllium	255	250	102	90 - 110	P	11/07/2024	22:52	LB133344
	Cadmium	2340	2500	94	90 - 110	P	11/07/2024	22:52	LB133344

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Fax : 908 789 8922

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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
CCV10	Calcium	22600	25000	90	90 - 110	P	11/07/2024	22:52	LB133344
	Chromium	963	1000	96	90 - 110	P	11/07/2024	22:52	LB133344
	Cobalt	2340	2500	94	90 - 110	P	11/07/2024	22:52	LB133344
	Copper	1240	1250	99	90 - 110	P	11/07/2024	22:52	LB133344
	Iron	4790	5000	96	90 - 110	P	11/07/2024	22:52	LB133344
	Lead	4710	5000	94	90 - 110	P	11/07/2024	22:52	LB133344
	Magnesium	26500	25000	106	90 - 110	P	11/07/2024	22:52	LB133344
	Manganese	2500	2500	100	90 - 110	P	11/07/2024	22:52	LB133344
	Nickel	2340	2500	94	90 - 110	P	11/07/2024	22:52	LB133344
	Potassium	26100	25000	104	90 - 110	P	11/07/2024	22:52	LB133344
	Selenium	5160	5000	103	90 - 110	P	11/07/2024	22:52	LB133344
	Silver	1220	1250	98	90 - 110	P	11/07/2024	22:52	LB133344
	Sodium	27200	25000	109	90 - 110	P	11/07/2024	22:52	LB133344
	Thallium	5290	5000	106	90 - 110	P	11/07/2024	22:52	LB133344
	Vanadium	2320	2500	93	90 - 110	P	11/07/2024	22:52	LB133344
	Zinc	2400	2500	96	90 - 110	P	11/07/2024	22:52	LB133344
CCV11	Aluminum	9750	10000	98	90 - 110	P	11/07/2024	23:43	LB133344
	Antimony	5100	5000	102	90 - 110	P	11/07/2024	23:43	LB133344
	Arsenic	5020	5000	100	90 - 110	P	11/07/2024	23:43	LB133344
	Barium	9690	10000	97	90 - 110	P	11/07/2024	23:43	LB133344
	Beryllium	234	250	93	90 - 110	P	11/07/2024	23:43	LB133344
	Cadmium	2390	2500	96	90 - 110	P	11/07/2024	23:43	LB133344
	Calcium	23200	25000	93	90 - 110	P	11/07/2024	23:43	LB133344
	Chromium	962	1000	96	90 - 110	P	11/07/2024	23:43	LB133344
	Cobalt	2390	2500	95	90 - 110	P	11/07/2024	23:43	LB133344
	Copper	1250	1250	100	90 - 110	P	11/07/2024	23:43	LB133344
	Iron	4730	5000	94	90 - 110	P	11/07/2024	23:43	LB133344
	Lead	4800	5000	96	90 - 110	P	11/07/2024	23:43	LB133344
	Magnesium	23000	25000	92	90 - 110	P	11/07/2024	23:43	LB133344
	Manganese	2290	2500	92	90 - 110	P	11/07/2024	23:43	LB133344
	Nickel	2390	2500	95	90 - 110	P	11/07/2024	23:43	LB133344
	Potassium	25300	25000	101	90 - 110	P	11/07/2024	23:43	LB133344
	Selenium	5160	5000	103	90 - 110	P	11/07/2024	23:43	LB133344
	Silver	1210	1250	97	90 - 110	P	11/07/2024	23:43	LB133344

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Fax : 908 789 8922

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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
CCV11	Sodium	26300	25000	105	90 - 110	P	11/07/2024	23:43	LB133344
	Thallium	5350	5000	107	90 - 110	P	11/07/2024	23:43	LB133344
	Vanadium	2370	2500	95	90 - 110	P	11/07/2024	23:43	LB133344
	Zinc	2430	2500	97	90 - 110	P	11/07/2024	23:43	LB133344
CCV12	Aluminum	9840	10000	98	90 - 110	P	11/08/2024	00:39	LB133344
	Antimony	5240	5000	105	90 - 110	P	11/08/2024	00:39	LB133344
	Arsenic	5150	5000	103	90 - 110	P	11/08/2024	00:39	LB133344
	Barium	9830	10000	98	90 - 110	P	11/08/2024	00:39	LB133344
	Beryllium	228	250	91	90 - 110	P	11/08/2024	00:39	LB133344
	Cadmium	2390	2500	96	90 - 110	P	11/08/2024	00:39	LB133344
	Calcium	22900	25000	92	90 - 110	P	11/08/2024	00:39	LB133344
	Chromium	965	1000	96	90 - 110	P	11/08/2024	00:39	LB133344
	Cobalt	2390	2500	96	90 - 110	P	11/08/2024	00:39	LB133344
	Copper	1280	1250	102	90 - 110	P	11/08/2024	00:39	LB133344
	Iron	4790	5000	96	90 - 110	P	11/08/2024	00:39	LB133344
	Lead	4820	5000	96	90 - 110	P	11/08/2024	00:39	LB133344
	Magnesium	22700	25000	91	90 - 110	P	11/08/2024	00:39	LB133344
	Manganese	2260	2500	90	90 - 110	P	11/08/2024	00:39	LB133344
	Nickel	2390	2500	96	90 - 110	P	11/08/2024	00:39	LB133344
	Potassium	26400	25000	106	90 - 110	P	11/08/2024	00:39	LB133344
	Selenium	5340	5000	107	90 - 110	P	11/08/2024	00:39	LB133344
	Silver	1230	1250	98	90 - 110	P	11/08/2024	00:39	LB133344
	Sodium	22700	25000	91	90 - 110	P	11/08/2024	00:39	LB133344
	Thallium	5270	5000	105	90 - 110	P	11/08/2024	00:39	LB133344
	Vanadium	2370	2500	95	90 - 110	P	11/08/2024	00:39	LB133344
	Zinc	2380	2500	95	90 - 110	P	11/08/2024	00:39	LB133344
CCV13	Aluminum	9910	10000	99	90 - 110	P	11/08/2024	00:57	LB133344
	Antimony	5250	5000	105	90 - 110	P	11/08/2024	00:57	LB133344
	Arsenic	5160	5000	103	90 - 110	P	11/08/2024	00:57	LB133344
	Barium	9650	10000	96	90 - 110	P	11/08/2024	00:57	LB133344
	Beryllium	233	250	93	90 - 110	P	11/08/2024	00:57	LB133344
	Cadmium	2420	2500	97	90 - 110	P	11/08/2024	00:57	LB133344
	Calcium	23200	25000	93	90 - 110	P	11/08/2024	00:57	LB133344
	Chromium	980	1000	98	90 - 110	P	11/08/2024	00:57	LB133344

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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
CCV13	Cobalt	2420	2500	97	90 - 110	P	11/08/2024	00:57	LB133344
	Copper	1290	1250	103	90 - 110	P	11/08/2024	00:57	LB133344
	Iron	4780	5000	96	90 - 110	P	11/08/2024	00:57	LB133344
	Lead	4870	5000	97	90 - 110	P	11/08/2024	00:57	LB133344
	Magnesium	23100	25000	92	90 - 110	P	11/08/2024	00:57	LB133344
	Manganese	2280	2500	91	90 - 110	P	11/08/2024	00:57	LB133344
	Nickel	2420	2500	97	90 - 110	P	11/08/2024	00:57	LB133344
	Potassium	26000	25000	104	90 - 110	P	11/08/2024	00:57	LB133344
	Selenium	5340	5000	107	90 - 110	P	11/08/2024	00:57	LB133344
	Silver	1230	1250	99	90 - 110	P	11/08/2024	00:57	LB133344
	Sodium	26900	25000	108	90 - 110	P	11/08/2024	00:57	LB133344
	Thallium	5410	5000	108	90 - 110	P	11/08/2024	00:57	LB133344
	Vanadium	2390	2500	96	90 - 110	P	11/08/2024	00:57	LB133344
	Zinc	2470	2500	99	90 - 110	P	11/08/2024	00:57	LB133344

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CRDL STANDARD FOR AA & ICP

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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
CRI01	Aluminum	106	100	106	40 - 160	P	11/07/2024	14:42	LB133344
	Antimony	51.9	50.0	104	40 - 160	P	11/07/2024	14:42	LB133344
	Arsenic	19.9	20.0	99	40 - 160	P	11/07/2024	14:42	LB133344
	Barium	99.8	100	100	40 - 160	P	11/07/2024	14:42	LB133344
	Beryllium	5.88	6.0	98	40 - 160	P	11/07/2024	14:42	LB133344
	Cadmium	6.45	6.0	108	40 - 160	P	11/07/2024	14:42	LB133344
	Calcium	2010	2000	101	40 - 160	P	11/07/2024	14:42	LB133344
	Chromium	9.25	10.0	92	40 - 160	P	11/07/2024	14:42	LB133344
	Cobalt	29.3	30.0	98	40 - 160	P	11/07/2024	14:42	LB133344
	Copper	22.5	20.0	112	40 - 160	P	11/07/2024	14:42	LB133344
	Iron	95.5	100	96	40 - 160	P	11/07/2024	14:42	LB133344
	Lead	11.3	12.0	94	40 - 160	P	11/07/2024	14:42	LB133344
	Magnesium	2000	2000	100	40 - 160	P	11/07/2024	14:42	LB133344
	Manganese	20.5	20.0	102	40 - 160	P	11/07/2024	14:42	LB133344
	Nickel	38.8	40.0	97	40 - 160	P	11/07/2024	14:42	LB133344
	Potassium	1950	2000	98	40 - 160	P	11/07/2024	14:42	LB133344
	Selenium	18.8	20.0	94	40 - 160	P	11/07/2024	14:42	LB133344
	Silver	10.7	10.0	107	40 - 160	P	11/07/2024	14:42	LB133344
	Sodium	1610	2000	81	40 - 160	P	11/07/2024	14:42	LB133344
	Thallium	41.6	40.0	104	40 - 160	P	11/07/2024	14:42	LB133344
	Vanadium	40.4	40.0	101	40 - 160	P	11/07/2024	14:42	LB133344
	Zinc	41.4	40.0	104	40 - 160	P	11/07/2024	14:42	LB133344
CRA	Mercury	0.17	0.2	83	40 - 160	CV	11/07/2024	14:50	LB133334

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB74	Mercury	0.20	+/-0.20	U	0.20	CV	11/07/2024	14:43	LB133334

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB47	Mercury	0.20	+/-0.20	U	0.20	CV	11/07/2024	14:48	LB133334
CCB48	Mercury	0.20	+/-0.20	U	0.20	CV	11/07/2024	15:15	LB133334
CCB49	Mercury	0.20	+/-0.20	U	0.20	CV	11/07/2024	15:43	LB133334
CCB50	Mercury	0.20	+/-0.20	U	0.20	CV	11/07/2024	16:10	LB133334

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	11/07/2024	14:38	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	14:38	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	14:38	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	14:38	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	14:38	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	14:38	LB133344
	Calcium	2000	+/-2000	U	2000	P	11/07/2024	14:38	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	14:38	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	14:38	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	14:38	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	14:38	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	14:38	LB133344
	Magnesium	2000	+/-2000	U	2000	P	11/07/2024	14:38	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	14:38	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	14:38	LB133344
	Potassium	2000	+/-2000	U	2000	P	11/07/2024	14:38	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	14:38	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	14:38	LB133344
	Sodium	2000	+/-2000	U	2000	P	11/07/2024	14:38	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	14:38	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	14:38	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	14:38	LB133344

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	11/07/2024	15:05	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	15:05	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	15:05	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	15:05	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	15:05	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	15:05	LB133344
	Calcium	2000	+/-2000	U	2000	P	11/07/2024	15:05	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	15:05	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	15:05	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	15:05	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	15:05	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	15:05	LB133344
	Magnesium	2000	+/-2000	U	2000	P	11/07/2024	15:05	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	15:05	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	15:05	LB133344
	Potassium	2000	+/-2000	U	2000	P	11/07/2024	15:05	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	15:05	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	15:05	LB133344
	Sodium	2000	+/-2000	U	2000	P	11/07/2024	15:05	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	15:05	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	15:05	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	15:05	LB133344
CCB02	Aluminum	100	+/-100	U	100	P	11/07/2024	15:58	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	15:58	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	15:58	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	15:58	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	15:58	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	15:58	LB133344
	Calcium	2000	+/-2000	U	2000	P	11/07/2024	15:58	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	15:58	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	15:58	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	15:58	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	15:58	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	15:58	LB133344
	Magnesium	2000	+/-2000	U	2000	P	11/07/2024	15:58	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	15:58	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	15:58	LB133344
	Potassium	2000	+/-2000	U	2000	P	11/07/2024	15:58	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	15:58	LB133344

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Fax : 908 789 8922

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	15:58	LB133344
	Sodium	2000	+/-2000	U	2000	P	11/07/2024	15:58	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	15:58	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	15:58	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	15:58	LB133344
CCB03	Aluminum	100	+/-100	U	100	P	11/07/2024	16:49	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	16:49	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	16:49	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	16:49	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	16:49	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	16:49	LB133344
	Calcium	2000	+/-2000	U	2000	P	11/07/2024	16:49	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	16:49	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	16:49	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	16:49	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	16:49	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	16:49	LB133344
	Magnesium	2000	+/-2000	U	2000	P	11/07/2024	16:49	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	16:49	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	16:49	LB133344
	Potassium	2000	+/-2000	U	2000	P	11/07/2024	16:49	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	16:49	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	16:49	LB133344
	Sodium	2000	+/-2000	U	2000	P	11/07/2024	16:49	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	16:49	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	16:49	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	16:49	LB133344
CCB04	Aluminum	100	+/-100	U	100	P	11/07/2024	18:04	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	18:04	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	18:04	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	18:04	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	18:04	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	18:04	LB133344
	Calcium	2000	+/-2000	U	2000	P	11/07/2024	18:04	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	18:04	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	18:04	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	18:04	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	18:04	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	18:04	LB133344

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	11/07/2024	18:04	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	18:04	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	18:04	LB133344
	Potassium	2000	+/-2000	U	2000	P	11/07/2024	18:04	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	18:04	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	18:04	LB133344
	Sodium	2000	+/-2000	U	2000	P	11/07/2024	18:04	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	18:04	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	18:04	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	18:04	LB133344
CCB05	Aluminum	100	+/-100	U	100	P	11/07/2024	18:37	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	18:37	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	18:37	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	18:37	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	18:37	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	18:37	LB133344
	Calcium	2000	+/-2000	U	2000	P	11/07/2024	18:37	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	18:37	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	18:37	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	18:37	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	18:37	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	18:37	LB133344
	Magnesium	2000	+/-2000	U	2000	P	11/07/2024	18:37	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	18:37	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	18:37	LB133344
	Potassium	2000	+/-2000	U	2000	P	11/07/2024	18:37	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	18:37	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	18:37	LB133344
	Sodium	2000	+/-2000	U	2000	P	11/07/2024	18:37	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	18:37	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	18:37	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	18:37	LB133344
CCB06	Aluminum	100	+/-100	U	100	P	11/07/2024	19:12	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	19:12	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	19:12	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	19:12	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	19:12	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	19:12	LB133344
	Calcium	2000	+/-2000	U	2000	P	11/07/2024	19:12	LB133344

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Fax : 908 789 8922

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	19:12	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	19:12	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	19:12	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	19:12	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	19:12	LB133344
	Magnesium	2000	+/-2000	U	2000	P	11/07/2024	19:12	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	19:12	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	19:12	LB133344
	Potassium	2000	+/-2000	U	2000	P	11/07/2024	19:12	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	19:12	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	19:12	LB133344
	Sodium	2000	+/-2000	U	2000	P	11/07/2024	19:12	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	19:12	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	19:12	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	19:12	LB133344
CCB07	Aluminum	100	+/-100	U	100	P	11/07/2024	20:02	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	20:02	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	20:02	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	20:02	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	20:02	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	20:02	LB133344
	Calcium	2000	+/-2000	U	2000	P	11/07/2024	20:02	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	20:02	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	20:02	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	20:02	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	20:02	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	20:02	LB133344
	Magnesium	2000	+/-2000	U	2000	P	11/07/2024	20:02	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	20:02	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	20:02	LB133344
	Potassium	2000	+/-2000	U	2000	P	11/07/2024	20:02	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	20:02	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	20:02	LB133344
	Sodium	2000	+/-2000	U	2000	P	11/07/2024	20:02	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	20:02	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	20:02	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	20:02	LB133344
CCB08	Aluminum	100	+/-100	U	100	P	11/07/2024	21:02	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	21:02	LB133344

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	21:02	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	21:02	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	21:02	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	21:02	LB133344
	Calcium	2000	+/-2000	U	2000	P	11/07/2024	21:02	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	21:02	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	21:02	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	21:02	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	21:02	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	21:02	LB133344
	Magnesium	2000	+/-2000	U	2000	P	11/07/2024	21:02	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	21:02	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	21:02	LB133344
	Potassium	2000	+/-2000	U	2000	P	11/07/2024	21:02	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	21:02	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	21:02	LB133344
	Sodium	2000	+/-2000	U	2000	P	11/07/2024	21:02	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	21:02	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	21:02	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	21:02	LB133344
CCB09	Aluminum	100	+/-100	U	100	P	11/07/2024	21:55	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	21:55	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	21:55	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	21:55	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	21:55	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	21:55	LB133344
	Calcium	2000	+/-2000	U	2000	P	11/07/2024	21:55	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	21:55	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	21:55	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	21:55	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	21:55	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	21:55	LB133344
	Magnesium	2000	+/-2000	U	2000	P	11/07/2024	21:55	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	21:55	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	21:55	LB133344
	Potassium	2000	+/-2000	U	2000	P	11/07/2024	21:55	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	21:55	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	21:55	LB133344
	Sodium	2000	+/-2000	U	2000	P	11/07/2024	21:55	LB133344

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Fax : 908 789 8922

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	21:55	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	21:55	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	21:55	LB133344
CCB10	Aluminum	100	+/-100	U	100	P	11/07/2024	22:56	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	22:56	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	22:56	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	22:56	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	22:56	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	22:56	LB133344
	Calcium	2000	+/-2000	U	2000	P	11/07/2024	22:56	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	22:56	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	22:56	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	22:56	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	22:56	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	22:56	LB133344
	Magnesium	2000	+/-2000	U	2000	P	11/07/2024	22:56	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	22:56	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	22:56	LB133344
	Potassium	2000	+/-2000	U	2000	P	11/07/2024	22:56	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	22:56	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	22:56	LB133344
	Sodium	2000	+/-2000	U	2000	P	11/07/2024	22:56	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	22:56	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	22:56	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	22:56	LB133344
CCB11	Aluminum	100	+/-100	U	100	P	11/07/2024	23:47	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	23:47	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	23:47	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	23:47	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	23:47	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	23:47	LB133344
	Calcium	2000	+/-2000	U	2000	P	11/07/2024	23:47	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	23:47	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	23:47	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	23:47	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	23:47	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	23:47	LB133344
	Magnesium	2000	+/-2000	U	2000	P	11/07/2024	23:47	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	23:47	LB133344

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Fax : 908 789 8922

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB11	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	23:47	LB133344
	Potassium	2000	+/-2000	U	2000	P	11/07/2024	23:47	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	23:47	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	23:47	LB133344
	Sodium	2000	+/-2000	U	2000	P	11/07/2024	23:47	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	23:47	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	23:47	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	23:47	LB133344
CCB12	Aluminum	100	+/-100	U	100	P	11/08/2024	00:43	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/08/2024	00:43	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/08/2024	00:43	LB133344
	Barium	100	+/-100	U	100	P	11/08/2024	00:43	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/08/2024	00:43	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/08/2024	00:43	LB133344
	Calcium	2000	+/-2000	U	2000	P	11/08/2024	00:43	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/08/2024	00:43	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/08/2024	00:43	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/08/2024	00:43	LB133344
	Iron	100	+/-100	U	100	P	11/08/2024	00:43	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	00:43	LB133344
	Magnesium	2000	+/-2000	U	2000	P	11/08/2024	00:43	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/08/2024	00:43	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/08/2024	00:43	LB133344
	Potassium	2000	+/-2000	U	2000	P	11/08/2024	00:43	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/08/2024	00:43	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/08/2024	00:43	LB133344
	Sodium	2000	+/-2000	U	2000	P	11/08/2024	00:43	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/08/2024	00:43	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/08/2024	00:43	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/08/2024	00:43	LB133344
CCB13	Aluminum	100	+/-100	U	100	P	11/08/2024	01:01	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/08/2024	01:01	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/08/2024	01:01	LB133344
	Barium	100	+/-100	U	100	P	11/08/2024	01:01	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/08/2024	01:01	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/08/2024	01:01	LB133344
	Calcium	2000	+/-2000	U	2000	P	11/08/2024	01:01	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/08/2024	01:01	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/08/2024	01:01	LB133344

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Fax : 908 789 8922

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB13	Copper	20.0	+/-20.0	U	20.0	P	11/08/2024	01:01	LB133344
	Iron	100	+/-100	U	100	P	11/08/2024	01:01	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	01:01	LB133344
	Magnesium	2000	+/-2000	U	2000	P	11/08/2024	01:01	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/08/2024	01:01	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/08/2024	01:01	LB133344
	Potassium	2000	+/-2000	U	2000	P	11/08/2024	01:01	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/08/2024	01:01	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/08/2024	01:01	LB133344
	Sodium	2000	+/-2000	U	2000	P	11/08/2024	01:01	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/08/2024	01:01	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/08/2024	01:01	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/08/2024	01:01	LB133344

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PREPARATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB164762BL		**SOLID**		**Batch Number:**	**PB164762**		**Prep Date:**	**11/07/2024**	
	Mercury	0.013	<0.013	U	0.013	CV	11/07/2024	14:57	LB133334

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PREPARATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB164723BL		**SOLID**		**Batch Number:**	**PB164723**		**Prep Date:**	**11/06/2024**	
	Aluminum	4.85	<4.85	U	4.85	P	11/07/2024	21:42	LB133344
	Antimony	2.43	<2.43	U	2.43	P	11/07/2024	21:42	LB133344
	Arsenic	0.97	<0.97	U	0.97	P	11/07/2024	21:42	LB133344
	Barium	4.85	<4.85	U	4.85	P	11/07/2024	21:42	LB133344
	Beryllium	0.29	<0.29	U	0.29	P	11/07/2024	21:42	LB133344
	Cadmium	0.29	<0.29	U	0.29	P	11/07/2024	21:42	LB133344
	Calcium	97.1	<97.1	U	97.1	P	11/07/2024	21:42	LB133344
	Chromium	0.49	<0.49	U	0.49	P	11/07/2024	21:42	LB133344
	Cobalt	1.46	<1.46	U	1.46	P	11/07/2024	21:42	LB133344
	Copper	0.97	<0.97	U	0.97	P	11/07/2024	21:42	LB133344
	Iron	4.85	<4.85	U	4.85	P	11/07/2024	21:42	LB133344
	Lead	0.58	<0.58	U	0.58	P	11/07/2024	21:42	LB133344
	Magnesium	97.1	<97.1	U	97.1	P	11/07/2024	21:42	LB133344
	Manganese	0.97	<0.97	U	0.97	P	11/07/2024	21:42	LB133344
	Nickel	1.94	<1.94	U	1.94	P	11/07/2024	21:42	LB133344
	Potassium	97.1	<97.1	U	97.1	P	11/07/2024	21:42	LB133344
	Selenium	0.97	<0.97	U	0.97	P	11/07/2024	21:42	LB133344
	Silver	0.49	<0.49	U	0.49	P	11/07/2024	21:42	LB133344
	Sodium	97.1	<97.1	U	97.1	P	11/07/2024	21:42	LB133344
	Thallium	1.94	<1.94	U	1.94	P	11/07/2024	21:42	LB133344
	Vanadium	1.94	<1.94	U	1.94	P	11/07/2024	21:42	LB133344
	Zinc	1.94	<1.94	U	1.94	P	11/07/2024	21:42	LB133344

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INTERFERENCE CHECK SAMPLE

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	255000	255000	100	216000	294000	11/07/2024	14:47	LB133344
	Antimony	-0.14			-50	50	11/07/2024	14:47	LB133344
	Arsenic	4.03			-20	20	11/07/2024	14:47	LB133344
	Barium	1.97	6.0	33	-94	106	11/07/2024	14:47	LB133344
	Beryllium	1.25			-6	6	11/07/2024	14:47	LB133344
	Cadmium	6.27	1.0	627	-5	7	11/07/2024	14:47	LB133344
	Calcium	235000	245000	96	208000	282000	11/07/2024	14:47	LB133344
	Chromium	54.7	52.0	105	42	62	11/07/2024	14:47	LB133344
	Cobalt	1.98			-30	30	11/07/2024	14:47	LB133344
	Copper	6.59	2.0	330	-18	22	11/07/2024	14:47	LB133344
	Iron	95800	101000	95	85600	116500	11/07/2024	14:47	LB133344
	Lead	8.91			-12	12	11/07/2024	14:47	LB133344
	Magnesium	257000	255000	101	216000	294000	11/07/2024	14:47	LB133344
	Manganese	4.04	7.0	58	-13	27	11/07/2024	14:47	LB133344
	Nickel	2.14	2.0	107	-38	42	11/07/2024	14:47	LB133344
	Potassium	27.1			0	0	11/07/2024	14:47	LB133344
	Selenium	-18.3			-20	20	11/07/2024	14:47	LB133344
	Silver	0.85			-10	10	11/07/2024	14:47	LB133344
	Sodium	-30.2			0	0	11/07/2024	14:47	LB133344
	Thallium	4.42			-40	40	11/07/2024	14:47	LB133344
	Vanadium	7.40			-40	40	11/07/2024	14:47	LB133344
	Zinc	6.19			-40	40	11/07/2024	14:47	LB133344
ICSAB01	Aluminum	261000	247000	106	209000	285000	11/07/2024	14:51	LB133344
	Antimony	621	618	100	525	711	11/07/2024	14:51	LB133344
	Arsenic	116	104	112	88.4	120	11/07/2024	14:51	LB133344
	Barium	504	537	94	437	637	11/07/2024	14:51	LB133344
	Beryllium	498	495	101	420	570	11/07/2024	14:51	LB133344
	Cadmium	999	972	103	826	1120	11/07/2024	14:51	LB133344
	Calcium	238000	235000	101	199000	271000	11/07/2024	14:51	LB133344
	Chromium	556	542	103	460	624	11/07/2024	14:51	LB133344
	Cobalt	503	476	106	404	548	11/07/2024	14:51	LB133344
	Copper	493	511	96	434	588	11/07/2024	14:51	LB133344
	Iron	98300	99300	99	84400	114500	11/07/2024	14:51	LB133344
	Lead	56.6	49.0	116	37	61	11/07/2024	14:51	LB133344
	Magnesium	260000	248000	105	210000	286000	11/07/2024	14:51	LB133344
	Manganese	484	507	96	430	584	11/07/2024	14:51	LB133344
	Nickel	991	954	104	810	1100	11/07/2024	14:51	LB133344
	Potassium	10.4			0	0	11/07/2024	14:51	LB133344
	Selenium	32.9	46.0	72	26	66	11/07/2024	14:51	LB133344
	Silver	201	201	100	170	232	11/07/2024	14:51	LB133344
	Sodium	-89.4			0	0	11/07/2024	14:51	LB133344
	Thallium	106	108	98	68	148	11/07/2024	14:51	LB133344

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	493	491	100	417	565	11/07/2024	14:51	LB133344
	Zinc	835	952	88	809	1095	11/07/2024	14:51	LB133344

METAL QC DATA

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MATRIX SPIKE SUMMARY

client: Walsh Construction Company II, LLC **level:** low **sdg no.:** P4722

contract: WALS01 **lab code:** CHEM **case no.:** P4722 **sas no.:** P4722

matrix: Solid **sample id:** P4706-01 **client id:** TR-04-110424MS

Percent Solids for Sample: 93.5 **Spiked ID:** P4706-01MS **Percent Solids for Spike Sample:** 93.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.33		0.060		0.27	99		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Walsh Construction Company II, LLC **level:** low **sdg no.:** P4722

contract: WALS01 **lab code:** CHEM **case no.:** P4722 **sas no.:** P4722

matrix: Solid **sample id:** P4706-01 **client id:** TR-04-110424MSD

Percent Solids for Sample: 93.5 **Spiked ID:** P4706-01MSD **Percent Solids for Spike Sample:** 93.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.33		0.060		0.28	95		CV

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metals
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MATRIX SPIKE SUMMARY

client: Walsh Construction Company II, LLC **level:** low **sdg no.:** P4722

contract: WALS01 **lab code:** CHEM **case no.:** P4722 **sas no.:** P4722

matrix: Solid **sample id:** P4720-01 **client id:** JC-701-COMP-01MS

Percent Solids for Sample: 90.6 **Spiked ID:** P4720-01MS **Percent Solids for Spike Sample:** 90.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	8270		8600		97.2	-335		P
Antimony	mg/Kg	75 - 125	30.4		0.32	J	38.9	77		P
Arsenic	mg/Kg	75 - 125	34.5		4.31		38.9	78		P
Barium	mg/Kg	75 - 125	162		158		9.7	45		P
Beryllium	mg/Kg	75 - 125	7.23		0.67		9.7	68	N	P
Cadmium	mg/Kg	75 - 125	11.5		2.44		9.7	93		P
Calcium	mg/Kg	75 - 125	2660		2790		48.6	-257		P
Chromium	mg/Kg	75 - 125	25.5		12.2		19.4	68	N	P
Cobalt	mg/Kg	75 - 125	16.7		7.68		9.7	93		P
Copper	mg/Kg	75 - 125	32.5		22.0		14.6	72	N	P
Iron	mg/Kg	75 - 125	12900		13000		150	-50		P
Lead	mg/Kg	75 - 125	233		193		48.6	84		P
Magnesium	mg/Kg	75 - 125	2230		2370		97.2	-139		P
Manganese	mg/Kg	75 - 125	423		420		9.7	33		P
Nickel	mg/Kg	75 - 125	35.8		13.3		24.3	92		P
Potassium	mg/Kg	75 - 125	1400		1180		490	46	N	P
Selenium	mg/Kg	75 - 125	71.4		1.04	U	97.2	74	N	P
Silver	mg/Kg	75 - 125	3.21		0.46	J	3.6	76		P
Sodium	mg/Kg	75 - 125	121		104	U	150	81		P
Thallium	mg/Kg	75 - 125	92.6		2.07	U	97.2	95		P
Vanadium	mg/Kg	75 - 125	26.7		17.3		14.6	64	N	P
Zinc	mg/Kg	75 - 125	233		188		9.7	463		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Walsh Construction Company II, LLC **level:** low **sdg no.:** P4722

contract: WALS01 **lab code:** CHEM **case no.:** P4722 **sas no.:** P4722

matrix: Solid **sample id:** P4720-01 **client id:** JC-701-COMP-01MSD

Percent Solids for Sample: 90.6 **Spiked ID:** P4720-01MSD **Percent Solids for Spike Sample:** 90.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	8640		8600		100	38		P
Antimony	mg/Kg	75 - 125	31.0		0.32	J	40.3	76		P
Arsenic	mg/Kg	75 - 125	35.3		4.31		40.3	77		P
Barium	mg/Kg	75 - 125	168		158		10.1	105		P
Beryllium	mg/Kg	75 - 125	7.34		0.67		10.1	66	N	P
Cadmium	mg/Kg	75 - 125	11.8		2.44		10.1	92		P
Calcium	mg/Kg	75 - 125	2740		2790		50.4	-98		P
Chromium	mg/Kg	75 - 125	26.1		12.2		20.2	69	N	P
Cobalt	mg/Kg	75 - 125	17.1		7.68		10.1	93		P
Copper	mg/Kg	75 - 125	33.9		22.0		15.1	79		P
Iron	mg/Kg	75 - 125	13100		13000		150	42		P
Lead	mg/Kg	75 - 125	241		193		50.4	95		P
Magnesium	mg/Kg	75 - 125	2310		2370		100	-57		P
Manganese	mg/Kg	75 - 125	434		420		10.1	139		P
Nickel	mg/Kg	75 - 125	36.7		13.3		25.2	93		P
Potassium	mg/Kg	75 - 125	1430		1180		500	51	N	P
Selenium	mg/Kg	75 - 125	73.0		1.04	U	100	73	N	P
Silver	mg/Kg	75 - 125	3.17		0.46	J	3.8	71	N	P
Sodium	mg/Kg	75 - 125	121		104	U	150	81		P
Thallium	mg/Kg	75 - 125	95.4		2.07	U	100	95		P
Vanadium	mg/Kg	75 - 125	27.6		17.3		15.1	68	N	P
Zinc	mg/Kg	75 - 125	239		188		10.1	510		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Matrix: Solid **Level:** LOW **Client ID:** JC-701-COMP-01A

Sample ID: P4720-01 **Spiked ID:** P4720-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Beryllium	mg/Kg	75 - 125	7.44		0.67		10.4	65		P
Chromium	mg/Kg	75 - 125	26.6		12.2		20.7	69		P
Copper	mg/Kg	75 - 125	34.2		22.0		15.5	78		P
Potassium	mg/Kg	75 - 125	1480		1180		520	59		P
Selenium	mg/Kg	75 - 125	74.8		1.04	U	100	75		P
Silver	mg/Kg	75 - 125	3.33		0.46	J	3.90	74		P
Vanadium	mg/Kg	75 - 125	28.1		17.3		15.5	69		P

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DUPLICATE SAMPLE SUMMARY

Client: Walsh Construction Company II, LLC **Level:** LOW **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Matrix: Solid **Sample ID:** P4706-01 **Client ID:** TR-04-110424DUP

Percent Solids for Sample: 93.5 **Duplicate ID** P4706-01DUP **Percent Solids for Spike Sample:** 93.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.060		0.063		5		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: Walsh Construction Company II, LLC **Level:** LOW **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Matrix: Solid **Sample ID:** P4706-01MS **Client ID:** TR-04-110424MSD

Percent Solids for Sample: 93.5 **Duplicate ID** P4706-01MSD **Percent Solids for Spike Sample:** 93.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.33		0.33		0		CV

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

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DUPLICATE SAMPLE SUMMARY

Client: Walsh Construction Company II, LLC **Level:** LOW **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Matrix: Solid **Sample ID:** P4720-01 **Client ID:** JC-701-COMP-01DUP

Percent Solids for Sample: 90.6 **Duplicate ID** P4720-01DUP **Percent Solids for Spike Sample:** 90.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	8600		8340		3		P
Antimony	mg/Kg	20	0.32	J	0.28	J	13		P
Arsenic	mg/Kg	20	4.31		3.98		8		P
Barium	mg/Kg	20	158		153		3		P
Beryllium	mg/Kg	20	0.67		0.66		2		P
Cadmium	mg/Kg	20	2.44		2.39		2		P
Calcium	mg/Kg	20	2790		2700		3		P
Chromium	mg/Kg	20	12.2		11.9		2		P
Cobalt	mg/Kg	20	7.68		7.50		2		P
Copper	mg/Kg	20	22.0		21.6		2		P
Iron	mg/Kg	20	13000		12500		4		P
Lead	mg/Kg	20	193		188		3		P
Magnesium	mg/Kg	20	2370		2300		3		P
Manganese	mg/Kg	20	420		407		3		P
Nickel	mg/Kg	20	13.3		13.0		2		P
Potassium	mg/Kg	20	1180		1130		4		P
Selenium	mg/Kg	20	1.04	U	0.99	U			P
Silver	mg/Kg	20	0.46	J	0.41	J	11		P
Sodium	mg/Kg	20	104	U	99.4	U			P
Thallium	mg/Kg	20	2.07	U	1.99	U			P
Vanadium	mg/Kg	20	17.3		16.8		3		P
Zinc	mg/Kg	20	188		181		4		P

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

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DUPLICATE SAMPLE SUMMARY

Client: Walsh Construction Company II, LLC **Level:** LOW **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Matrix: Solid **Sample ID:** P4720-01MS **Client ID:** JC-701-COMP-01MSD

Percent Solids for Sample: 90.6 **Duplicate ID** P4720-01MSD **Percent Solids for Spike Sample:** 90.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	8270		8640		4		P
Antimony	mg/Kg	20	30.4		31.0		2		P
Arsenic	mg/Kg	20	34.5		35.3		2		P
Barium	mg/Kg	20	162		168		4		P
Beryllium	mg/Kg	20	7.23		7.34		2		P
Cadmium	mg/Kg	20	11.5		11.8		3		P
Calcium	mg/Kg	20	2660		2740		3		P
Chromium	mg/Kg	20	25.5		26.1		2		P
Cobalt	mg/Kg	20	16.7		17.1		2		P
Copper	mg/Kg	20	32.5		33.9		4		P
Iron	mg/Kg	20	12900		13100		2		P
Lead	mg/Kg	20	233		241		3		P
Magnesium	mg/Kg	20	2230		2310		4		P
Manganese	mg/Kg	20	423		434		3		P
Nickel	mg/Kg	20	35.8		36.7		2		P
Potassium	mg/Kg	20	1400		1430		2		P
Selenium	mg/Kg	20	71.4		73.0		2		P
Silver	mg/Kg	20	3.21		3.17		1		P
Sodium	mg/Kg	20	121		121		0		P
Thallium	mg/Kg	20	92.6		95.4		3		P
Vanadium	mg/Kg	20	26.7		27.6		3		P
Zinc	mg/Kg	20	233		239		3		P

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

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164723BS							
Aluminum	mg/Kg	97.1	93.9		97	80 - 120	P
Antimony	mg/Kg	38.8	38.5		99	80 - 120	P
Arsenic	mg/Kg	38.8	38.8		100	80 - 120	P
Barium	mg/Kg	9.7	9.04		93	80 - 120	P
Beryllium	mg/Kg	9.7	9.07		94	80 - 120	P
Cadmium	mg/Kg	9.7	8.92		92	80 - 120	P
Calcium	mg/Kg	48.5	46.8	J	96	80 - 120	P
Chromium	mg/Kg	19.4	18.6		96	80 - 120	P
Cobalt	mg/Kg	9.7	9.05		93	80 - 120	P
Copper	mg/Kg	14.6	14.9		102	80 - 120	P
Iron	mg/Kg	150	137		91	80 - 120	P
Lead	mg/Kg	48.5	45.4		94	80 - 120	P
Magnesium	mg/Kg	97.1	88.2	J	91	80 - 120	P
Manganese	mg/Kg	9.7	9.07		94	80 - 120	P
Nickel	mg/Kg	24.3	22.7		93	80 - 120	P
Potassium	mg/Kg	490	472		96	80 - 120	P
Selenium	mg/Kg	97.1	97.9		101	80 - 120	P
Silver	mg/Kg	3.6	3.52		98	80 - 120	P
Sodium	mg/Kg	150	120		80	80 - 120	P
Thallium	mg/Kg	97.1	104		107	80 - 120	P
Vanadium	mg/Kg	14.6	13.8		94	80 - 120	P
Zinc	mg/Kg	9.7	10.4		108	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164762BS							
Mercury	mg/Kg	0.26	0.29		110	80 - 120	CV

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ICP SERIAL DILUTIONS

SAMPLE NO.

TR-04-110424L

Lab Name: Chemtech Consulting Group **Contract:** WALS01

Lab Code: CHEM **Lb No.:** lb133334 **Lab Sample ID :** P4706-01L **SDG No.:** P4722

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	0.060		0.069	U	100.0		CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

JC-701-COMP-01L

Lab Name: Chemtech Consulting Group **Contract:** WALS01

Lab Code: CHEM **Lb No.:** lb133344 **Lab Sample ID :** P4720-01L **SDG No.:** P4722

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	8600		10500		22		P
Antimony	0.32	J	13.0	U	100.0		P
Arsenic	4.31		4.54	J	5		P
Barium	158		190		21		P
Beryllium	0.67		0.93	J	38		P
Cadmium	2.44		1.91		22		P
Calcium	2790		3560		28		P
Chromium	12.2		19.1		57		P
Cobalt	7.68		7.79		1		P
Copper	22.0		29.9		36		P
Iron	13000		16300		25		P
Lead	193		208		8		P
Magnesium	2370		2990		26		P
Manganese	420		538		28		P
Nickel	13.3		15.7		18		P
Potassium	1180		1370		16		P
Selenium	1.04	U	5.18	U			P
Silver	0.46	J	0.64	J	39		P
Sodium	104	U	518	U			P
Thallium	2.07	U	10.4	U			P
Vanadium	17.3		21.8		26		P
Zinc	188		245		31		P

METAL PREPARATION & INSTRUMENT DATA

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

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ICP INTERELEMENT CORRECTION FACTORS

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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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ICP INTERELEMENT CORRECTION FACTORS

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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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ICP INTERELEMENT CORRECTION FACTORS

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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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ICP INTERELEMENT CORRECTION FACTORS

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Method:**

Case No.: P4722 **SAS No.:** P4722

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB164723**						
P4720-01DUP	JC-701-COMP-01DUP	DUP	SOLID	11/06/2024	2.22	100.0	90.60
P4720-01MS	JC-701-COMP-01MS	MS	SOLID	11/06/2024	2.27	100.0	90.60
P4720-01MSD	JC-701-COMP-01MSD	MSD	SOLID	11/06/2024	2.19	100.0	90.60
P4722-03	WC-1(0-6)	SAM	SOLID	11/06/2024	2.38	100.0	93.80
P4722-08	WC-2(0-6)	SAM	SOLID	11/06/2024	2.28	100.0	90.10
P4722-13	WC-3(0-6)	SAM	SOLID	11/06/2024	2.37	100.0	86.60
PB164723BL	PB164723BL	MB	SOLID	11/06/2024	2.06	100.0	100.00
PB164723BS	PB164723BS	LCS	SOLID	11/06/2024	2.06	100.0	100.00

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SAMPLE PREPARATION SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Method:**

Case No.: P4722 **SAS No.:** P4722

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB164762**						
P4706-01DUP	TR-04-110424DUP	DUP	SOLID	11/07/2024	0.58	35.0	93.50
P4706-01MS	TR-04-110424MS	MS	SOLID	11/07/2024	0.55	35.0	93.50
P4706-01MSD	TR-04-110424MSD	MSD	SOLID	11/07/2024	0.53	35.0	93.50
P4722-03	WC-1(0-6)	SAM	SOLID	11/07/2024	0.50	35.0	93.80
P4722-08	WC-2(0-6)	SAM	SOLID	11/07/2024	0.53	35.0	90.10
P4722-13	WC-3(0-6)	SAM	SOLID	11/07/2024	0.58	35.0	86.60
PB164762BL	PB164762BL	MB	SOLID	11/07/2024	0.52	35.0	100.00
PB164762BS	PB164762BS	LCS	SOLID	11/07/2024	0.54	35.0	100.00

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ANALYSIS RUN LOG

Client: Walsh Construction Company II, LLC **Contract:** WALS01

Lab code: CHEM **Case no.:** P4722 **Sas no.:** P4722 **Sdg no.:** P4722

Instrument id number: **Method:** **Run number:** LB133334

Start date: 11/07/2024 **End date:** 11/07/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1417	HG
S0.2	S0.2	1	1419	HG
S2.5	S2.5	1	1421	HG
S5	S5	1	1426	HG
S7.5	S7.5	1	1429	HG
S10	S10	1	1438	HG
ICV74	ICV74	1	1441	HG
ICB74	ICB74	1	1443	HG
CCV47	CCV47	1	1445	HG
CCB47	CCB47	1	1448	HG
CRA	CRA	1	1450	HG
PB164762BL	PB164762BL	1	1457	HG
PB164762BS	PB164762BS	1	1459	HG
P4706-01MS	TR-04-110424MS	1	1508	HG
P4706-01MSD	TR-04-110424MSD	1	1511	HG
CCV48	CCV48	1	1513	HG
CCB48	CCB48	1	1515	HG
P4722-03	WC-1(0-6)	1	1531	HG
P4722-08	WC-2(0-6)	1	1534	HG
P4722-13	WC-3(0-6)	1	1536	HG
CCV49	CCV49	1	1540	HG
CCB49	CCB49	1	1543	HG
P4706-01DUP	TR-04-110424DUP	1	1601	HG
P4706-01L	TR-04-110424L	5	1603	HG
CCV50	CCV50	1	1608	HG
CCB50	CCB50	1	1610	HG

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ANALYSIS RUN LOG

Client: Walsh Construction Company II, LLC **Contract:** WALS01

Lab code: CHEM **Case no.:** P4722 **Sas no.:** P4722 **Sdg no.:** P4722

Instrument id number: **Method:** **Run number:** LB133344

Start date: 11/07/2024 **End date:** 11/08/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1323	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	1328	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	1332	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	1336	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	1340	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	1345	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	1349	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	1423	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	1438	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	1442	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	1447	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	1451	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	1501	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	1505	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	1553	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	1558	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	1645	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	1649	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	1756	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	1804	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	1832	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	1837	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	1908	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	1912	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4720-01DUP	JC-701-COMP-01DUP	1	1950	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4720-01L	JC-701-COMP-01L	5	1954	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	1958	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	2002	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	2058	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	2102	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4720-01MS	JC-701-COMP-01MS	1	2116	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4720-01MSD	JC-701-COMP-01MSD	1	2120	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4720-01A	JC-701-COMP-01A	1	2124	Ag,Be,Cr,Cu,K,Se,V
P4722-03	WC-1(0-6)	1	2129	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4722-08	WC-2(0-6)	1	2133	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4722-13	WC-3(0-6)	1	2138	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB164723BL	PB164723BL	1	2142	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB164723BS	PB164723BS	1	2147	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	2151	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	2155	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	2252	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
- 14 -
ANALYSIS RUN LOG

Client: Walsh Construction Company II, LLC **Contract:** WALS01

Lab code: CHEM **Case no.:** P4722 **Sas no.:** P4722 **Sdg no.:** P4722

Instrument id number: **Method:** **Run number:** LB133344

Start date: 11/07/2024 **End date:** 11/08/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCB10	CCB10	1	2256	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV11	CCV11	1	2343	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB11	CCB11	1	2347	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4722-03	WC-1(0-6)	5	0026	Fe
CCV12	CCV12	1	0039	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB12	CCB12	1	0043	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV13	CCV13	1	0057	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB13	CCB13	1	0101	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:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-03	**WC-1(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Mercury	7471B		11/07/24	11/07/24	
			Metals ICP-TAL	6010D		11/06/24	11/07/24	
			Metals ICP-TAL	6010D		11/06/24	11/08/24	
P4722-04	**WC-1(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP ICP Metals	6010D		11/07/24	11/08/24	
			TCLP Mercury	7470A		11/07/24	11/08/24	
P4722-05	**WC-1(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP ICP Metals	6010D		11/11/24	11/14/24	
			SPLP Mercury	7470A		11/11/24	11/12/24	
P4722-08	**WC-2(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Mercury	7471B		11/07/24	11/07/24	
			Metals ICP-TAL	6010D		11/06/24	11/07/24	
P4722-09	**WC-2(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP ICP Metals	6010D		11/07/24	11/08/24	
			TCLP Mercury	7470A		11/07/24	11/08/24	
P4722-10	**WC-2(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP ICP Metals	6010D		11/11/24	11/14/24	
			SPLP Mercury	7470A		11/11/24	11/12/24	
P4722-13	**WC-3(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			Mercury	7471B		11/07/24	11/07/24	
			Metals ICP-TAL	6010D		11/06/24	11/07/24	
P4722-14	**WC-3(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP ICP Metals	6010D		11/07/24	11/08/24	
			TCLP Mercury	7470A		11/07/24	11/08/24	

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LAB CHRONICLE

P4722-15	**WC-3(0-6)**	**Water**			**11/05/24**		**11/05/24**
			SPLP ICP Metals	6010D		11/11/24	11/14/24
			SPLP Mercury	7470A		11/11/24	11/12/24

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Hit Summary Sheet
SW-846

SDG No.: P4722 **Order ID:** P4722

Client: Walsh Construction Company II, LLC **Project ID:** NYCDEP C547A - Shafts 17B-1 & 18B-1 S

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC-1(0-6)								
P4722-05	WC-1(0-6)	Water	Aluminum	155		28.3	50.0	ug/L
P4722-05	WC-1(0-6)	Water	Antimony	3.34	J	2.06	25.0	ug/L
P4722-05	WC-1(0-6)	Water	Barium	109		6.28	50.0	ug/L
P4722-05	WC-1(0-6)	Water	Cadmium	0.21	J	0.094	3.00	ug/L
P4722-05	WC-1(0-6)	Water	Calcium	158000		33.0	1000	ug/L
P4722-05	WC-1(0-6)	Water	Chromium	4.63	J	0.66	5.00	ug/L
P4722-05	WC-1(0-6)	Water	Cobalt	1.75	J	0.50	15.0	ug/L
P4722-05	WC-1(0-6)	Water	Copper	7.87	J	7.07	10.0	ug/L
P4722-05	WC-1(0-6)	Water	Iron	363		18.5	50.0	ug/L
P4722-05	WC-1(0-6)	Water	Lead	6.83		3.51	6.00	ug/L
P4722-05	WC-1(0-6)	Water	Magnesium	6200		39.4	1000	ug/L
P4722-05	WC-1(0-6)	Water	Manganese	321		1.46	10.0	ug/L
P4722-05	WC-1(0-6)	Water	Nickel	2.99	J	0.85	20.0	ug/L
P4722-05	WC-1(0-6)	Water	Potassium	4180		685	1000	ug/L
P4722-05	WC-1(0-6)	Water	Sodium	10400		237	1000	ug/L
P4722-05	WC-1(0-6)	Water	Zinc	67.9		1.75	20.0	ug/L
Client ID : WC-2(0-6)								
P4722-10	WC-2(0-6)	Water	Antimony	3.41	J	2.06	25.0	ug/L
P4722-10	WC-2(0-6)	Water	Barium	77.7		6.28	50.0	ug/L
P4722-10	WC-2(0-6)	Water	Cadmium	0.32	J	0.094	3.00	ug/L
P4722-10	WC-2(0-6)	Water	Calcium	144000		33.0	1000	ug/L
P4722-10	WC-2(0-6)	Water	Chromium	2.26	J	0.66	5.00	ug/L
P4722-10	WC-2(0-6)	Water	Copper	8.17	J	7.07	10.0	ug/L
P4722-10	WC-2(0-6)	Water	Iron	38.2	J	18.5	50.0	ug/L
P4722-10	WC-2(0-6)	Water	Lead	14.2		3.51	6.00	ug/L
P4722-10	WC-2(0-6)	Water	Magnesium	3820		39.4	1000	ug/L
P4722-10	WC-2(0-6)	Water	Manganese	14.7		1.46	10.0	ug/L
P4722-10	WC-2(0-6)	Water	Nickel	1.21	J	0.85	20.0	ug/L
P4722-10	WC-2(0-6)	Water	Potassium	3270		685	1000	ug/L
P4722-10	WC-2(0-6)	Water	Sodium	17300		237	1000	ug/L
P4722-10	WC-2(0-6)	Water	Zinc	157		1.75	20.0	ug/L
Client ID : WC-3(0-6)								
P4722-15	WC-3(0-6)	Water	Aluminum	29.5	J	28.3	50.0	ug/L
P4722-15	WC-3(0-6)	Water	Antimony	2.70	J	2.06	25.0	ug/L
P4722-15	WC-3(0-6)	Water	Barium	76.6		6.28	50.0	ug/L
P4722-15	WC-3(0-6)	Water	Cadmium	0.32	J	0.094	3.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: P4722 **Order ID:** P4722

Client: Walsh Construction Company II, LLC **Project ID:** NYCDEP C547A - Shafts 17B-1 & 18B-1 S

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4722-15	WC-3(0-6)	Water	Calcium	167000		33.0	1000	ug/L
P4722-15	WC-3(0-6)	Water	Chromium	1.28	J	0.66	5.00	ug/L
P4722-15	WC-3(0-6)	Water	Copper	10.4		7.07	10.0	ug/L
P4722-15	WC-3(0-6)	Water	Iron	96.2		18.5	50.0	ug/L
P4722-15	WC-3(0-6)	Water	Lead	12.8		3.51	6.00	ug/L
P4722-15	WC-3(0-6)	Water	Magnesium	6910		39.4	1000	ug/L
P4722-15	WC-3(0-6)	Water	Manganese	21.7		1.46	10.0	ug/L
P4722-15	WC-3(0-6)	Water	Nickel	3.85	J	0.85	20.0	ug/L
P4722-15	WC-3(0-6)	Water	Potassium	3330		685	1000	ug/L
P4722-15	WC-3(0-6)	Water	Sodium	19600		237	1000	ug/L
P4722-15	WC-3(0-6)	Water	Zinc	55.1		1.75	20.0	ug/L

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Hit Summary Sheet
SW-846

SDG No.: P4722 **Order ID:** P4722

Client: Walsh Construction Company II, LLC **Project ID:** NYCDEP C547A - Shafts 17B-1 & 18B-1 S

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC-1(0-6)								
P4722-04	WC-1(0-6)	TCLP	Barium	992		62.8	500	ug/L
P4722-04	WC-1(0-6)	TCLP	Cadmium	9.53	J	0.94	30.0	ug/L
P4722-04	WC-1(0-6)	TCLP	Lead	1170		35.1	60.0	ug/L
Client ID : WC-2(0-6)								
P4722-09	WC-2(0-6)	TCLP	Barium	742		62.8	500	ug/L
P4722-09	WC-2(0-6)	TCLP	Cadmium	8.24	J	0.94	30.0	ug/L
P4722-09	WC-2(0-6)	TCLP	Lead	921		35.1	60.0	ug/L
Client ID : WC-3(0-6)								
P4722-14	WC-3(0-6)	TCLP	Barium	594		62.8	500	ug/L
P4722-14	WC-3(0-6)	TCLP	Cadmium	20.6	J	0.94	30.0	ug/L
P4722-14	WC-3(0-6)	TCLP	Lead	487		35.1	60.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-04	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	34.8	U	1	34.8	100	ug/L	11/07/24 12:30	11/08/24 16:06	SW6010	SW3050
7440-39-3	Barium	992	N	1	62.8	500	ug/L	11/07/24 12:30	11/08/24 16:06	SW6010	SW3050
7440-43-9	Cadmium	9.53	J	1	0.94	30.0	ug/L	11/07/24 12:30	11/08/24 16:06	SW6010	SW3050
7440-47-3	Chromium	6.60	U	1	6.60	50.0	ug/L	11/07/24 12:30	11/08/24 16:06	SW6010	SW3050
7439-92-1	Lead	1170		1	35.1	60.0	ug/L	11/07/24 12:30	11/08/24 16:06	SW6010	SW3050
7439-97-6	Mercury	0.81	U	1	0.81	2.00	ug/L	11/07/24 11:50	11/08/24 11:00	SW7470A	
7782-49-2	Selenium	58.8	U	1	58.8	100	ug/L	11/07/24 12:30	11/08/24 16:06	SW6010	SW3050
7440-22-4	Silver	5.80	U	1	5.80	50.0	ug/L	11/07/24 12:30	11/08/24 16:06	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP METALS				

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:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-05	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	155		1	28.3	50.0	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010
7440-36-0	Antimony	3.34	J	1	2.06	25.0	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010
7440-38-2	Arsenic	3.48	U	1	3.48	10.0	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010
7440-39-3	Barium	109		1	6.28	50.0	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010
7440-41-7	Beryllium	0.13	U	1	0.13	3.00	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010
7440-43-9	Cadmium	0.21	J	1	0.094	3.00	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010
7440-70-2	Calcium	158000		1	33.0	1000	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010
7440-47-3	Chromium	4.63	J	1	0.66	5.00	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010
7440-48-4	Cobalt	1.75	J	1	0.50	15.0	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010
7440-50-8	Copper	7.87	J	1	7.07	10.0	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010
7439-89-6	Iron	363		1	18.5	50.0	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010
7439-92-1	Lead	6.83		1	3.51	6.00	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010
7439-95-4	Magnesium	6200		1	39.4	1000	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010
7439-96-5	Manganese	321		1	1.46	10.0	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010
7439-97-6	Mercury	0.081	U	1	0.081	0.20	ug/L	11/11/24 16:33	11/12/24 14:53	SW7470A	
7440-02-0	Nickel	2.99	J	1	0.85	20.0	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010
7440-09-7	Potassium	4180		1	685	1000	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010
7440-23-5	Sodium	10400		1	237	1000	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010
7440-62-2	Vanadium	3.06	U	1	3.06	20.0	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010
7440-66-6	Zinc	67.9		1	1.75	20.0	ug/L	11/11/24 10:30	11/14/24 18:58	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	SPLP ICP Metals				

U = Not Detected
LOQ = Limit of Quantitation
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J = Estimated Value
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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-09	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	34.8	U	1	34.8	100	ug/L	11/07/24 12:30	11/08/24 16:10	SW6010	SW3050
7440-39-3	Barium	742	N	1	62.8	500	ug/L	11/07/24 12:30	11/08/24 16:10	SW6010	SW3050
7440-43-9	Cadmium	8.24	J	1	0.94	30.0	ug/L	11/07/24 12:30	11/08/24 16:10	SW6010	SW3050
7440-47-3	Chromium	6.60	U	1	6.60	50.0	ug/L	11/07/24 12:30	11/08/24 16:10	SW6010	SW3050
7439-92-1	Lead	921		1	35.1	60.0	ug/L	11/07/24 12:30	11/08/24 16:10	SW6010	SW3050
7439-97-6	Mercury	0.81	U	1	0.81	2.00	ug/L	11/07/24 11:50	11/08/24 11:03	SW7470A	
7782-49-2	Selenium	58.8	U	1	58.8	100	ug/L	11/07/24 12:30	11/08/24 16:10	SW6010	SW3050
7440-22-4	Silver	5.80	U	1	5.80	50.0	ug/L	11/07/24 12:30	11/08/24 16:10	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP METALS				

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-10	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	28.3	U	1	28.3	50.0	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010
7440-36-0	Antimony	3.41	J	1	2.06	25.0	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010
7440-38-2	Arsenic	3.48	U	1	3.48	10.0	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010
7440-39-3	Barium	77.7		1	6.28	50.0	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010
7440-41-7	Beryllium	0.13	U	1	0.13	3.00	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010
7440-43-9	Cadmium	0.32	J	1	0.094	3.00	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010
7440-70-2	Calcium	144000		1	33.0	1000	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010
7440-47-3	Chromium	2.26	J	1	0.66	5.00	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010
7440-48-4	Cobalt	0.50	U	1	0.50	15.0	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010
7440-50-8	Copper	8.17	J	1	7.07	10.0	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010
7439-89-6	Iron	38.2	J	1	18.5	50.0	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010
7439-92-1	Lead	14.2		1	3.51	6.00	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010
7439-95-4	Magnesium	3820		1	39.4	1000	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010
7439-96-5	Manganese	14.7		1	1.46	10.0	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010
7439-97-6	Mercury	0.081	U	1	0.081	0.20	ug/L	11/11/24 16:33	11/12/24 14:56	SW7470A	
7440-02-0	Nickel	1.21	J	1	0.85	20.0	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010
7440-09-7	Potassium	3270		1	685	1000	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010
7440-23-5	Sodium	17300		1	237	1000	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010
7440-62-2	Vanadium	3.06	U	1	3.06	20.0	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010
7440-66-6	Zinc	157		1	1.75	20.0	ug/L	11/11/24 10:30	11/14/24 19:11	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	SPLP ICP Metals				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-14	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	34.8	U	1	34.8	100	ug/L	11/07/24 12:30	11/08/24 16:15	SW6010	SW3050
7440-39-3	Barium	594	N	1	62.8	500	ug/L	11/07/24 12:30	11/08/24 16:15	SW6010	SW3050
7440-43-9	Cadmium	20.6	J	1	0.94	30.0	ug/L	11/07/24 12:30	11/08/24 16:15	SW6010	SW3050
7440-47-3	Chromium	6.60	U	1	6.60	50.0	ug/L	11/07/24 12:30	11/08/24 16:15	SW6010	SW3050
7439-92-1	Lead	487		1	35.1	60.0	ug/L	11/07/24 12:30	11/08/24 16:15	SW6010	SW3050
7439-97-6	Mercury	0.81	U	1	0.81	2.00	ug/L	11/07/24 11:50	11/08/24 11:05	SW7470A	
7782-49-2	Selenium	58.8	U	1	58.8	100	ug/L	11/07/24 12:30	11/08/24 16:15	SW6010	SW3050
7440-22-4	Silver	5.80	U	1	5.80	50.0	ug/L	11/07/24 12:30	11/08/24 16:15	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP METALS				

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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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-15	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	29.5	J	1	28.3	50.0	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010
7440-36-0	Antimony	2.70	J	1	2.06	25.0	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010
7440-38-2	Arsenic	3.48	U	1	3.48	10.0	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010
7440-39-3	Barium	76.6		1	6.28	50.0	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010
7440-41-7	Beryllium	0.13	U	1	0.13	3.00	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010
7440-43-9	Cadmium	0.32	J	1	0.094	3.00	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010
7440-70-2	Calcium	167000		1	33.0	1000	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010
7440-47-3	Chromium	1.28	J	1	0.66	5.00	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010
7440-48-4	Cobalt	0.50	U	1	0.50	15.0	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010
7440-50-8	Copper	10.4		1	7.07	10.0	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010
7439-89-6	Iron	96.2		1	18.5	50.0	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010
7439-92-1	Lead	12.8		1	3.51	6.00	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010
7439-95-4	Magnesium	6910		1	39.4	1000	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010
7439-96-5	Manganese	21.7		1	1.46	10.0	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010
7439-97-6	Mercury	0.081	U	1	0.081	0.20	ug/L	11/11/24 16:33	11/12/24 14:58	SW7470A	
7440-02-0	Nickel	3.85	J	1	0.85	20.0	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010
7440-09-7	Potassium	3330		1	685	1000	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010
7440-23-5	Sodium	19600		1	237	1000	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010
7440-62-2	Vanadium	3.06	U	1	3.06	20.0	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010
7440-66-6	Zinc	55.1		1	1.75	20.0	ug/L	11/11/24 10:30	11/14/24 19:16	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	SPLP ICP Metals				

U = Not Detected
LOQ = Limit of Quantitation
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J = Estimated Value
B = Analyte Found in Associated Method Blank
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N =Spiked sample recovery not within control limits

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: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	4.00	4.0	100	90 - 110	CV	11/12/2024	14:17	LB133407

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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
CCV75	Mercury	4.87	5.0	97	90 - 110	CV	11/12/2024	14:27	LB133407
CCV76	Mercury	5.10	5.0	102	90 - 110	CV	11/12/2024	15:05	LB133407
CCV77	Mercury	5.31	5.0	106	90 - 110	CV	11/12/2024	15:32	LB133407
CCV78	Mercury	4.53	5.0	91	90 - 110	CV	11/12/2024	15:59	LB133407
CCV79	Mercury	4.71	5.0	94	90 - 110	CV	11/12/2024	16:25	LB133407

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	2580	2500	103	90 - 110	P	11/14/2024	13:58	LB133457
	Antimony	1000	1000	100	90 - 110	P	11/14/2024	13:58	LB133457
	Arsenic	1040	1000	104	90 - 110	P	11/14/2024	13:58	LB133457
	Barium	520	520	100	90 - 110	P	11/14/2024	13:58	LB133457
	Beryllium	521	510	102	90 - 110	P	11/14/2024	13:58	LB133457
	Cadmium	508	510	100	90 - 110	P	11/14/2024	13:58	LB133457
	Calcium	10300	10000	103	90 - 110	P	11/14/2024	13:58	LB133457
	Chromium	533	520	102	90 - 110	P	11/14/2024	13:58	LB133457
	Cobalt	516	520	99	90 - 110	P	11/14/2024	13:58	LB133457
	Copper	532	510	104	90 - 110	P	11/14/2024	13:58	LB133457
	Iron	9960	10000	100	90 - 110	P	11/14/2024	13:58	LB133457
	Lead	1020	1000	102	90 - 110	P	11/14/2024	13:58	LB133457
	Magnesium	6020	6000	100	90 - 110	P	11/14/2024	13:58	LB133457
	Manganese	526	520	101	90 - 110	P	11/14/2024	13:58	LB133457
	Nickel	520	530	98	90 - 110	P	11/14/2024	13:58	LB133457
	Potassium	9810	9900	99	90 - 110	P	11/14/2024	13:58	LB133457
	Selenium	1040	1000	104	90 - 110	P	11/14/2024	13:58	LB133457
	Silver	255	250	102	90 - 110	P	11/14/2024	13:58	LB133457
	Sodium	9490	10000	95	90 - 110	P	11/14/2024	13:58	LB133457
	Thallium	1060	1000	106	90 - 110	P	11/14/2024	13:58	LB133457
	Vanadium	507	500	102	90 - 110	P	11/14/2024	13:58	LB133457
	Zinc	1050	1000	105	90 - 110	P	11/14/2024	13:58	LB133457

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Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	94.9	100	95	80 - 120	P	11/14/2024	14:10	LB133457
	Antimony	45.5	50.0	91	80 - 120	P	11/14/2024	14:10	LB133457
	Arsenic	20.1	20.0	101	80 - 120	P	11/14/2024	14:10	LB133457
	Barium	94.7	100	95	80 - 120	P	11/14/2024	14:10	LB133457
	Beryllium	5.56	6.0	93	80 - 120	P	11/14/2024	14:10	LB133457
	Cadmium	6.49	6.0	108	80 - 120	P	11/14/2024	14:10	LB133457
	Calcium	1920	2000	96	80 - 120	P	11/14/2024	14:10	LB133457
	Chromium	9.23	10.0	92	80 - 120	P	11/14/2024	14:10	LB133457
	Cobalt	27.6	30.0	92	80 - 120	P	11/14/2024	14:10	LB133457
	Copper	20.5	20.0	103	80 - 120	P	11/14/2024	14:10	LB133457
	Iron	93.0	100	93	80 - 120	P	11/14/2024	14:10	LB133457
	Lead	10.8	12.0	90	80 - 120	P	11/14/2024	14:10	LB133457
	Magnesium	1910	2000	96	80 - 120	P	11/14/2024	14:10	LB133457
	Manganese	19.5	20.0	98	80 - 120	P	11/14/2024	14:10	LB133457
	Nickel	36.5	40.0	91	80 - 120	P	11/14/2024	14:10	LB133457
	Potassium	1780	2000	89	80 - 120	P	11/14/2024	14:10	LB133457
	Selenium	17.4	20.0	87	80 - 120	P	11/14/2024	14:10	LB133457
	Silver	9.68	10.0	97	80 - 120	P	11/14/2024	14:10	LB133457
	Sodium	1600	2000	80	80 - 120	P	11/14/2024	14:10	LB133457
	Thallium	37.7	40.0	94	80 - 120	P	11/14/2024	14:10	LB133457
	Vanadium	37.6	40.0	94	80 - 120	P	11/14/2024	14:10	LB133457
	Zinc	40.3	40.0	101	80 - 120	P	11/14/2024	14:10	LB133457

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Fax : 908 789 8922

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	10200	10000	102	90 - 110	P	11/14/2024	15:22	LB133457
	Antimony	5080	5000	102	90 - 110	P	11/14/2024	15:22	LB133457
	Arsenic	5030	5000	100	90 - 110	P	11/14/2024	15:22	LB133457
	Barium	10200	10000	102	90 - 110	P	11/14/2024	15:22	LB133457
	Beryllium	251	250	100	90 - 110	P	11/14/2024	15:22	LB133457
	Cadmium	2490	2500	100	90 - 110	P	11/14/2024	15:22	LB133457
	Calcium	25200	25000	101	90 - 110	P	11/14/2024	15:22	LB133457
	Chromium	1020	1000	102	90 - 110	P	11/14/2024	15:22	LB133457
	Cobalt	2490	2500	100	90 - 110	P	11/14/2024	15:22	LB133457
	Copper	1270	1250	102	90 - 110	P	11/14/2024	15:22	LB133457
	Iron	5030	5000	101	90 - 110	P	11/14/2024	15:22	LB133457
	Lead	4980	5000	100	90 - 110	P	11/14/2024	15:22	LB133457
	Magnesium	25400	25000	102	90 - 110	P	11/14/2024	15:22	LB133457
	Manganese	2490	2500	100	90 - 110	P	11/14/2024	15:22	LB133457
	Nickel	2500	2500	100	90 - 110	P	11/14/2024	15:22	LB133457
	Potassium	25400	25000	102	90 - 110	P	11/14/2024	15:22	LB133457
	Selenium	5080	5000	102	90 - 110	P	11/14/2024	15:22	LB133457
	Silver	1260	1250	101	90 - 110	P	11/14/2024	15:22	LB133457
	Sodium	25600	25000	102	90 - 110	P	11/14/2024	15:22	LB133457
	Thallium	4990	5000	100	90 - 110	P	11/14/2024	15:22	LB133457
	Vanadium	2530	2500	101	90 - 110	P	11/14/2024	15:22	LB133457
	Zinc	2560	2500	103	90 - 110	P	11/14/2024	15:22	LB133457
CCV02	Aluminum	9350	10000	94	90 - 110	P	11/14/2024	15:35	LB133457
	Antimony	4690	5000	94	90 - 110	P	11/14/2024	15:35	LB133457
	Arsenic	4660	5000	93	90 - 110	P	11/14/2024	15:35	LB133457
	Barium	9380	10000	94	90 - 110	P	11/14/2024	15:35	LB133457
	Beryllium	238	250	95	90 - 110	P	11/14/2024	15:35	LB133457
	Cadmium	2340	2500	94	90 - 110	P	11/14/2024	15:35	LB133457
	Calcium	23500	25000	94	90 - 110	P	11/14/2024	15:35	LB133457
	Chromium	952	1000	95	90 - 110	P	11/14/2024	15:35	LB133457
	Cobalt	2340	2500	93	90 - 110	P	11/14/2024	15:35	LB133457
	Copper	1180	1250	95	90 - 110	P	11/14/2024	15:35	LB133457
	Iron	4670	5000	94	90 - 110	P	11/14/2024	15:35	LB133457
	Lead	4680	5000	94	90 - 110	P	11/14/2024	15:35	LB133457

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Fax : 908 789 8922

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	23300	25000	93	90 - 110	P	11/14/2024	15:35	LB133457
	Manganese	2350	2500	94	90 - 110	P	11/14/2024	15:35	LB133457
	Nickel	2340	2500	94	90 - 110	P	11/14/2024	15:35	LB133457
	Potassium	23000	25000	92	90 - 110	P	11/14/2024	15:35	LB133457
	Selenium	4660	5000	93	90 - 110	P	11/14/2024	15:35	LB133457
	Silver	1180	1250	94	90 - 110	P	11/14/2024	15:35	LB133457
	Sodium	23400	25000	93	90 - 110	P	11/14/2024	15:35	LB133457
	Thallium	4730	5000	94	90 - 110	P	11/14/2024	15:35	LB133457
	Vanadium	2340	2500	94	90 - 110	P	11/14/2024	15:35	LB133457
	Zinc	2370	2500	95	90 - 110	P	11/14/2024	15:35	LB133457
CCV03	Aluminum	9840	10000	98	90 - 110	P	11/14/2024	16:27	LB133457
	Antimony	5140	5000	103	90 - 110	P	11/14/2024	16:27	LB133457
	Arsenic	5110	5000	102	90 - 110	P	11/14/2024	16:27	LB133457
	Barium	9600	10000	96	90 - 110	P	11/14/2024	16:27	LB133457
	Beryllium	245	250	98	90 - 110	P	11/14/2024	16:27	LB133457
	Cadmium	2540	2500	102	90 - 110	P	11/14/2024	16:27	LB133457
	Calcium	24300	25000	97	90 - 110	P	11/14/2024	16:27	LB133457
	Chromium	1020	1000	102	90 - 110	P	11/14/2024	16:27	LB133457
	Cobalt	2540	2500	102	90 - 110	P	11/14/2024	16:27	LB133457
	Copper	1300	1250	104	90 - 110	P	11/14/2024	16:27	LB133457
	Iron	4940	5000	99	90 - 110	P	11/14/2024	16:27	LB133457
	Lead	5090	5000	102	90 - 110	P	11/14/2024	16:27	LB133457
	Magnesium	24200	25000	97	90 - 110	P	11/14/2024	16:27	LB133457
	Manganese	2400	2500	96	90 - 110	P	11/14/2024	16:27	LB133457
	Nickel	2550	2500	102	90 - 110	P	11/14/2024	16:27	LB133457
	Potassium	24700	25000	99	90 - 110	P	11/14/2024	16:27	LB133457
	Selenium	5130	5000	103	90 - 110	P	11/14/2024	16:27	LB133457
	Silver	1250	1250	100	90 - 110	P	11/14/2024	16:27	LB133457
	Sodium	24700	25000	99	90 - 110	P	11/14/2024	16:27	LB133457
	Thallium	5050	5000	101	90 - 110	P	11/14/2024	16:27	LB133457
	Vanadium	2450	2500	98	90 - 110	P	11/14/2024	16:27	LB133457
	Zinc	2540	2500	102	90 - 110	P	11/14/2024	16:27	LB133457
CCV04	Aluminum	9510	10000	95	90 - 110	P	11/14/2024	17:23	LB133457
	Antimony	4720	5000	94	90 - 110	P	11/14/2024	17:23	LB133457

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Fax : 908 789 8922

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	4730	5000	94	90 - 110	P	11/14/2024	17:23	LB133457
	Barium	9470	10000	95	90 - 110	P	11/14/2024	17:23	LB133457
	Beryllium	243	250	97	90 - 110	P	11/14/2024	17:23	LB133457
	Cadmium	2380	2500	95	90 - 110	P	11/14/2024	17:23	LB133457
	Calcium	23900	25000	96	90 - 110	P	11/14/2024	17:23	LB133457
	Chromium	962	1000	96	90 - 110	P	11/14/2024	17:23	LB133457
	Cobalt	2380	2500	95	90 - 110	P	11/14/2024	17:23	LB133457
	Copper	1190	1250	95	90 - 110	P	11/14/2024	17:23	LB133457
	Iron	4720	5000	94	90 - 110	P	11/14/2024	17:23	LB133457
	Lead	4770	5000	95	90 - 110	P	11/14/2024	17:23	LB133457
	Magnesium	23700	25000	95	90 - 110	P	11/14/2024	17:23	LB133457
	Manganese	2370	2500	95	90 - 110	P	11/14/2024	17:23	LB133457
	Nickel	2390	2500	95	90 - 110	P	11/14/2024	17:23	LB133457
	Potassium	23200	25000	93	90 - 110	P	11/14/2024	17:23	LB133457
	Selenium	4710	5000	94	90 - 110	P	11/14/2024	17:23	LB133457
	Silver	1190	1250	95	90 - 110	P	11/14/2024	17:23	LB133457
	Sodium	23500	25000	94	90 - 110	P	11/14/2024	17:23	LB133457
	Thallium	4920	5000	98	90 - 110	P	11/14/2024	17:23	LB133457
	Vanadium	2380	2500	95	90 - 110	P	11/14/2024	17:23	LB133457
	Zinc	2410	2500	96	90 - 110	P	11/14/2024	17:23	LB133457
CCV05	Aluminum	9910	10000	99	90 - 110	P	11/14/2024	18:12	LB133457
	Antimony	4890	5000	98	90 - 110	P	11/14/2024	18:12	LB133457
	Arsenic	4900	5000	98	90 - 110	P	11/14/2024	18:12	LB133457
	Barium	9970	10000	100	90 - 110	P	11/14/2024	18:12	LB133457
	Beryllium	253	250	101	90 - 110	P	11/14/2024	18:12	LB133457
	Cadmium	2470	2500	99	90 - 110	P	11/14/2024	18:12	LB133457
	Calcium	24900	25000	100	90 - 110	P	11/14/2024	18:12	LB133457
	Chromium	996	1000	100	90 - 110	P	11/14/2024	18:12	LB133457
	Cobalt	2470	2500	99	90 - 110	P	11/14/2024	18:12	LB133457
	Copper	1240	1250	99	90 - 110	P	11/14/2024	18:12	LB133457
	Iron	4940	5000	99	90 - 110	P	11/14/2024	18:12	LB133457
	Lead	4960	5000	99	90 - 110	P	11/14/2024	18:12	LB133457
	Magnesium	24400	25000	98	90 - 110	P	11/14/2024	18:12	LB133457
	Manganese	2490	2500	100	90 - 110	P	11/14/2024	18:12	LB133457

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Fax : 908 789 8922

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	2480	2500	99	90 - 110	P	11/14/2024	18:12	LB133457
	Potassium	24300	25000	97	90 - 110	P	11/14/2024	18:12	LB133457
	Selenium	4860	5000	97	90 - 110	P	11/14/2024	18:12	LB133457
	Silver	1240	1250	99	90 - 110	P	11/14/2024	18:12	LB133457
	Sodium	24800	25000	99	90 - 110	P	11/14/2024	18:12	LB133457
	Thallium	4930	5000	99	90 - 110	P	11/14/2024	18:12	LB133457
	Vanadium	2480	2500	99	90 - 110	P	11/14/2024	18:12	LB133457
	Zinc	2500	2500	100	90 - 110	P	11/14/2024	18:12	LB133457
CCV06	Aluminum	9670	10000	97	90 - 110	P	11/14/2024	19:03	LB133457
	Antimony	4750	5000	95	90 - 110	P	11/14/2024	19:03	LB133457
	Arsenic	4770	5000	95	90 - 110	P	11/14/2024	19:03	LB133457
	Barium	9920	10000	99	90 - 110	P	11/14/2024	19:03	LB133457
	Beryllium	250	250	100	90 - 110	P	11/14/2024	19:03	LB133457
	Cadmium	2400	2500	96	90 - 110	P	11/14/2024	19:03	LB133457
	Calcium	24500	25000	98	90 - 110	P	11/14/2024	19:03	LB133457
	Chromium	971	1000	97	90 - 110	P	11/14/2024	19:03	LB133457
	Cobalt	2400	2500	96	90 - 110	P	11/14/2024	19:03	LB133457
	Copper	1210	1250	96	90 - 110	P	11/14/2024	19:03	LB133457
	Iron	4840	5000	97	90 - 110	P	11/14/2024	19:03	LB133457
	Lead	4820	5000	96	90 - 110	P	11/14/2024	19:03	LB133457
	Magnesium	23900	25000	95	90 - 110	P	11/14/2024	19:03	LB133457
	Manganese	2460	2500	98	90 - 110	P	11/14/2024	19:03	LB133457
	Nickel	2410	2500	96	90 - 110	P	11/14/2024	19:03	LB133457
	Potassium	23800	25000	95	90 - 110	P	11/14/2024	19:03	LB133457
	Selenium	4720	5000	94	90 - 110	P	11/14/2024	19:03	LB133457
	Silver	1210	1250	97	90 - 110	P	11/14/2024	19:03	LB133457
	Sodium	25000	25000	100	90 - 110	P	11/14/2024	19:03	LB133457
	Thallium	4960	5000	99	90 - 110	P	11/14/2024	19:03	LB133457
	Vanadium	2430	2500	97	90 - 110	P	11/14/2024	19:03	LB133457
	Zinc	2420	2500	97	90 - 110	P	11/14/2024	19:03	LB133457
CCV07	Aluminum	9690	10000	97	90 - 110	P	11/14/2024	19:55	LB133457
	Antimony	4850	5000	97	90 - 110	P	11/14/2024	19:55	LB133457
	Arsenic	4840	5000	97	90 - 110	P	11/14/2024	19:55	LB133457
	Barium	9800	10000	98	90 - 110	P	11/14/2024	19:55	LB133457

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Fax : 908 789 8922

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	247	250	99	90 - 110	P	11/14/2024	19:55	LB133457
	Cadmium	2420	2500	97	90 - 110	P	11/14/2024	19:55	LB133457
	Calcium	24300	25000	97	90 - 110	P	11/14/2024	19:55	LB133457
	Chromium	980	1000	98	90 - 110	P	11/14/2024	19:55	LB133457
	Cobalt	2420	2500	97	90 - 110	P	11/14/2024	19:55	LB133457
	Copper	1230	1250	98	90 - 110	P	11/14/2024	19:55	LB133457
	Iron	4820	5000	96	90 - 110	P	11/14/2024	19:55	LB133457
	Lead	4850	5000	97	90 - 110	P	11/14/2024	19:55	LB133457
	Magnesium	23800	25000	95	90 - 110	P	11/14/2024	19:55	LB133457
	Manganese	2420	2500	97	90 - 110	P	11/14/2024	19:55	LB133457
	Nickel	2420	2500	97	90 - 110	P	11/14/2024	19:55	LB133457
	Potassium	24000	25000	96	90 - 110	P	11/14/2024	19:55	LB133457
	Selenium	4850	5000	97	90 - 110	P	11/14/2024	19:55	LB133457
	Silver	1220	1250	97	90 - 110	P	11/14/2024	19:55	LB133457
	Sodium	25300	25000	101	90 - 110	P	11/14/2024	19:55	LB133457
	Thallium	4990	5000	100	90 - 110	P	11/14/2024	19:55	LB133457
	Vanadium	2430	2500	97	90 - 110	P	11/14/2024	19:55	LB133457
	Zinc	2450	2500	98	90 - 110	P	11/14/2024	19:55	LB133457
CCV08	Aluminum	9850	10000	98	90 - 110	P	11/14/2024	20:47	LB133457
	Antimony	4950	5000	99	90 - 110	P	11/14/2024	20:47	LB133457
	Arsenic	4920	5000	98	90 - 110	P	11/14/2024	20:47	LB133457
	Barium	9680	10000	97	90 - 110	P	11/14/2024	20:47	LB133457
	Beryllium	245	250	98	90 - 110	P	11/14/2024	20:47	LB133457
	Cadmium	2450	2500	98	90 - 110	P	11/14/2024	20:47	LB133457
	Calcium	24200	25000	97	90 - 110	P	11/14/2024	20:47	LB133457
	Chromium	1000	1000	100	90 - 110	P	11/14/2024	20:47	LB133457
	Cobalt	2450	2500	98	90 - 110	P	11/14/2024	20:47	LB133457
	Copper	1250	1250	100	90 - 110	P	11/14/2024	20:47	LB133457
	Iron	4860	5000	97	90 - 110	P	11/14/2024	20:47	LB133457
	Lead	4900	5000	98	90 - 110	P	11/14/2024	20:47	LB133457
	Magnesium	24100	25000	96	90 - 110	P	11/14/2024	20:47	LB133457
	Manganese	2380	2500	95	90 - 110	P	11/14/2024	20:47	LB133457
	Nickel	2450	2500	98	90 - 110	P	11/14/2024	20:47	LB133457
	Potassium	24600	25000	98	90 - 110	P	11/14/2024	20:47	LB133457

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Fax : 908 789 8922

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	4960	5000	99	90 - 110	P	11/14/2024	20:47	LB133457
	Silver	1230	1250	99	90 - 110	P	11/14/2024	20:47	LB133457
	Sodium	25500	25000	102	90 - 110	P	11/14/2024	20:47	LB133457
	Thallium	4920	5000	98	90 - 110	P	11/14/2024	20:47	LB133457
	Vanadium	2440	2500	98	90 - 110	P	11/14/2024	20:47	LB133457
	Zinc	2500	2500	100	90 - 110	P	11/14/2024	20:47	LB133457
CCV09	Aluminum	9700	10000	97	90 - 110	P	11/14/2024	22:04	LB133457
	Antimony	4760	5000	95	90 - 110	P	11/14/2024	22:04	LB133457
	Arsenic	4790	5000	96	90 - 110	P	11/14/2024	22:04	LB133457
	Barium	9850	10000	98	90 - 110	P	11/14/2024	22:04	LB133457
	Beryllium	248	250	99	90 - 110	P	11/14/2024	22:04	LB133457
	Cadmium	2420	2500	97	90 - 110	P	11/14/2024	22:04	LB133457
	Calcium	24500	25000	98	90 - 110	P	11/14/2024	22:04	LB133457
	Chromium	980	1000	98	90 - 110	P	11/14/2024	22:04	LB133457
	Cobalt	2410	2500	96	90 - 110	P	11/14/2024	22:04	LB133457
	Copper	1220	1250	98	90 - 110	P	11/14/2024	22:04	LB133457
	Iron	4900	5000	98	90 - 110	P	11/14/2024	22:04	LB133457
	Lead	4830	5000	97	90 - 110	P	11/14/2024	22:04	LB133457
	Magnesium	23900	25000	96	90 - 110	P	11/14/2024	22:04	LB133457
	Manganese	2450	2500	98	90 - 110	P	11/14/2024	22:04	LB133457
	Nickel	2420	2500	97	90 - 110	P	11/14/2024	22:04	LB133457
	Potassium	24300	25000	97	90 - 110	P	11/14/2024	22:04	LB133457
	Selenium	4760	5000	95	90 - 110	P	11/14/2024	22:04	LB133457
	Silver	1210	1250	97	90 - 110	P	11/14/2024	22:04	LB133457
	Sodium	25200	25000	101	90 - 110	P	11/14/2024	22:04	LB133457
	Thallium	4880	5000	98	90 - 110	P	11/14/2024	22:04	LB133457
	Vanadium	2440	2500	98	90 - 110	P	11/14/2024	22:04	LB133457
	Zinc	2440	2500	98	90 - 110	P	11/14/2024	22:04	LB133457
CCV10	Aluminum	9610	10000	96	90 - 110	P	11/14/2024	22:58	LB133457
	Antimony	4780	5000	96	90 - 110	P	11/14/2024	22:58	LB133457
	Arsenic	4790	5000	96	90 - 110	P	11/14/2024	22:58	LB133457
	Barium	9850	10000	98	90 - 110	P	11/14/2024	22:58	LB133457
	Beryllium	245	250	98	90 - 110	P	11/14/2024	22:58	LB133457
	Cadmium	2400	2500	96	90 - 110	P	11/14/2024	22:58	LB133457

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Fax : 908 789 8922

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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
CCV10	Calcium	24000	25000	96	90 - 110	P	11/14/2024	22:58	LB133457
	Chromium	974	1000	97	90 - 110	P	11/14/2024	22:58	LB133457
	Cobalt	2400	2500	96	90 - 110	P	11/14/2024	22:58	LB133457
	Copper	1220	1250	98	90 - 110	P	11/14/2024	22:58	LB133457
	Iron	4860	5000	97	90 - 110	P	11/14/2024	22:58	LB133457
	Lead	4800	5000	96	90 - 110	P	11/14/2024	22:58	LB133457
	Magnesium	23200	25000	93	90 - 110	P	11/14/2024	22:58	LB133457
	Manganese	2430	2500	97	90 - 110	P	11/14/2024	22:58	LB133457
	Nickel	2410	2500	96	90 - 110	P	11/14/2024	22:58	LB133457
	Potassium	24400	25000	98	90 - 110	P	11/14/2024	22:58	LB133457
	Selenium	4740	5000	95	90 - 110	P	11/14/2024	22:58	LB133457
	Silver	1220	1250	97	90 - 110	P	11/14/2024	22:58	LB133457
	Sodium	25200	25000	101	90 - 110	P	11/14/2024	22:58	LB133457
	Thallium	4850	5000	97	90 - 110	P	11/14/2024	22:58	LB133457
	Vanadium	2420	2500	97	90 - 110	P	11/14/2024	22:58	LB133457
	Zinc	2710	2500	109	90 - 110	P	11/14/2024	22:58	LB133457

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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
ICV75	Mercury	3.66	4.0	92	90 - 110	CV	11/08/2024	10:19	LB133352

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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
CCV51	Mercury	5.08	5.0	102	90 - 110	CV	11/08/2024	10:23	LB133352
CCV52	Mercury	4.97	5.0	99	90 - 110	CV	11/08/2024	10:53	LB133352
CCV53	Mercury	4.67	5.0	93	90 - 110	CV	11/08/2024	11:21	LB133352
CCV54	Mercury	4.56	5.0	91	90 - 110	CV	11/08/2024	11:32	LB133352

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	Arsenic	1000	1000	100	90 - 110	P	11/08/2024	13:59	LB133365
	Barium	513	520	99	90 - 110	P	11/08/2024	13:59	LB133365
	Cadmium	497	510	97	90 - 110	P	11/08/2024	13:59	LB133365
	Chromium	514	520	99	90 - 110	P	11/08/2024	13:59	LB133365
	Lead	999	1000	100	90 - 110	P	11/08/2024	13:59	LB133365
	Selenium	1000	1000	100	90 - 110	P	11/08/2024	13:59	LB133365
	Silver	251	250	100	90 - 110	P	11/08/2024	13:59	LB133365

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	Arsenic	19.5	20.0	98	80 - 120	P	11/08/2024	14:11	LB133365
	Barium	95.3	100	95	80 - 120	P	11/08/2024	14:11	LB133365
	Cadmium	6.34	6.0	106	80 - 120	P	11/08/2024	14:11	LB133365
	Chromium	9.48	10.0	95	80 - 120	P	11/08/2024	14:11	LB133365
	Lead	11.8	12.0	99	80 - 120	P	11/08/2024	14:11	LB133365
	Selenium	20.6	20.0	103	80 - 120	P	11/08/2024	14:11	LB133365
	Silver	10.6	10.0	106	80 - 120	P	11/08/2024	14:11	LB133365

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	Arsenic	4950	5000	99	90 - 110	P	11/08/2024	14:44	LB133365
	Barium	9530	10000	95	90 - 110	P	11/08/2024	14:44	LB133365
	Cadmium	2390	2500	96	90 - 110	P	11/08/2024	14:44	LB133365
	Chromium	1050	1000	105	90 - 110	P	11/08/2024	14:44	LB133365
	Lead	4870	5000	97	90 - 110	P	11/08/2024	14:44	LB133365
	Selenium	5020	5000	100	90 - 110	P	11/08/2024	14:44	LB133365
	Silver	1230	1250	99	90 - 110	P	11/08/2024	14:44	LB133365
CCV02	Arsenic	4950	5000	99	90 - 110	P	11/08/2024	15:29	LB133365
	Barium	9460	10000	95	90 - 110	P	11/08/2024	15:29	LB133365
	Cadmium	2360	2500	94	90 - 110	P	11/08/2024	15:29	LB133365
	Chromium	918	1000	92	90 - 110	P	11/08/2024	15:29	LB133365
	Lead	4800	5000	96	90 - 110	P	11/08/2024	15:29	LB133365
	Selenium	5080	5000	102	90 - 110	P	11/08/2024	15:29	LB133365
	Silver	1230	1250	98	90 - 110	P	11/08/2024	15:29	LB133365
CCV03	Arsenic	4980	5000	100	90 - 110	P	11/08/2024	16:23	LB133365
	Barium	9610	10000	96	90 - 110	P	11/08/2024	16:23	LB133365
	Cadmium	2380	2500	95	90 - 110	P	11/08/2024	16:23	LB133365
	Chromium	930	1000	93	90 - 110	P	11/08/2024	16:23	LB133365
	Lead	4840	5000	97	90 - 110	P	11/08/2024	16:23	LB133365
	Selenium	5130	5000	103	90 - 110	P	11/08/2024	16:23	LB133365
	Silver	1250	1250	100	90 - 110	P	11/08/2024	16:23	LB133365
CCV04	Arsenic	5190	5000	104	90 - 110	P	11/08/2024	17:16	LB133365
	Barium	9360	10000	94	90 - 110	P	11/08/2024	17:16	LB133365
	Cadmium	2420	2500	97	90 - 110	P	11/08/2024	17:16	LB133365
	Chromium	927	1000	93	90 - 110	P	11/08/2024	17:16	LB133365
	Lead	4940	5000	99	90 - 110	P	11/08/2024	17:16	LB133365
	Selenium	5360	5000	107	90 - 110	P	11/08/2024	17:16	LB133365
	Silver	1260	1250	101	90 - 110	P	11/08/2024	17:16	LB133365
CCV05	Arsenic	5110	5000	102	90 - 110	P	11/08/2024	18:04	LB133365
	Barium	9290	10000	93	90 - 110	P	11/08/2024	18:04	LB133365
	Cadmium	2430	2500	97	90 - 110	P	11/08/2024	18:04	LB133365
	Chromium	906	1000	91	90 - 110	P	11/08/2024	18:04	LB133365
	Lead	4940	5000	99	90 - 110	P	11/08/2024	18:04	LB133365
	Selenium	5280	5000	106	90 - 110	P	11/08/2024	18:04	LB133365

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	Silver	1230	1250	99	90 - 110	P	11/08/2024	18:04	LB133365
CCV06	Arsenic	4970	5000	100	90 - 110	P	11/08/2024	18:55	LB133365
	Barium	9460	10000	95	90 - 110	P	11/08/2024	18:55	LB133365
	Cadmium	2360	2500	95	90 - 110	P	11/08/2024	18:55	LB133365
	Chromium	923	1000	92	90 - 110	P	11/08/2024	18:55	LB133365
	Lead	4830	5000	97	90 - 110	P	11/08/2024	18:55	LB133365
	Selenium	5100	5000	102	90 - 110	P	11/08/2024	18:55	LB133365
	Silver	1220	1250	98	90 - 110	P	11/08/2024	18:55	LB133365
CCV07	Arsenic	5060	5000	101	90 - 110	P	11/08/2024	19:47	LB133365
	Barium	9520	10000	95	90 - 110	P	11/08/2024	19:47	LB133365
	Cadmium	2400	2500	96	90 - 110	P	11/08/2024	19:47	LB133365
	Chromium	920	1000	92	90 - 110	P	11/08/2024	19:47	LB133365
	Lead	4910	5000	98	90 - 110	P	11/08/2024	19:47	LB133365
	Selenium	5210	5000	104	90 - 110	P	11/08/2024	19:47	LB133365
	Silver	1250	1250	100	90 - 110	P	11/08/2024	19:47	LB133365
CCV08	Arsenic	4620	5000	92	90 - 110	P	11/08/2024	20:48	LB133365
	Barium	9200	10000	92	90 - 110	P	11/08/2024	20:48	LB133365
	Cadmium	2370	2500	95	90 - 110	P	11/08/2024	20:48	LB133365
	Chromium	920	1000	92	90 - 110	P	11/08/2024	20:48	LB133365
	Lead	4790	5000	96	90 - 110	P	11/08/2024	20:48	LB133365
	Selenium	4670	5000	93	90 - 110	P	11/08/2024	20:48	LB133365
	Silver	1190	1250	95	90 - 110	P	11/08/2024	20:48	LB133365
CCV09	Arsenic	4610	5000	92	90 - 110	P	11/08/2024	21:50	LB133365
	Barium	9110	10000	91	90 - 110	P	11/08/2024	21:50	LB133365
	Cadmium	2310	2500	93	90 - 110	P	11/08/2024	21:50	LB133365
	Chromium	902	1000	90	90 - 110	P	11/08/2024	21:50	LB133365
	Lead	4710	5000	94	90 - 110	P	11/08/2024	21:50	LB133365
	Selenium	4690	5000	94	90 - 110	P	11/08/2024	21:50	LB133365
	Silver	1190	1250	95	90 - 110	P	11/08/2024	21:50	LB133365
CCV10	Arsenic	5340	5000	107	90 - 110	P	11/08/2024	23:24	LB133365
	Barium	9550	10000	96	90 - 110	P	11/08/2024	23:24	LB133365
	Cadmium	2430	2500	97	90 - 110	P	11/08/2024	23:24	LB133365
	Chromium	1000	1000	100	90 - 110	P	11/08/2024	23:24	LB133365
	Lead	4980	5000	100	90 - 110	P	11/08/2024	23:24	LB133365

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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
CCV10	Selenium	4900	5000	98	90 - 110	P	11/08/2024	23:24	LB133365
	Silver	1270	1250	102	90 - 110	P	11/08/2024	23:24	LB133365

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	Arsenic	996	1000	100	90 - 110	P	11/19/2024	20:06	LB133525
	Barium	497	520	96	90 - 110	P	11/19/2024	20:06	LB133525
	Cadmium	500	510	98	90 - 110	P	11/19/2024	20:06	LB133525
	Chromium	523	520	100	90 - 110	P	11/19/2024	20:06	LB133525
	Lead	990	1000	99	90 - 110	P	11/19/2024	20:06	LB133525
	Selenium	1020	1000	102	90 - 110	P	11/19/2024	20:06	LB133525
	Silver	251	250	100	90 - 110	P	11/19/2024	20:06	LB133525

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	Arsenic	21.7	20.0	108	80 - 120	P	11/19/2024	20:10	LB133525
	Barium	101	100	101	80 - 120	P	11/19/2024	20:10	LB133525
	Cadmium	7.11	6.0	118	80 - 120	P	11/19/2024	20:10	LB133525
	Chromium	10.3	10.0	104	80 - 120	P	11/19/2024	20:10	LB133525
	Lead	11.9	12.0	100	80 - 120	P	11/19/2024	20:10	LB133525
	Selenium	18.5	20.0	92	80 - 120	P	11/19/2024	20:10	LB133525
	Silver	10.4	10.0	104	80 - 120	P	11/19/2024	20:10	LB133525

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	Arsenic	4810	5000	96	90 - 110	P	11/19/2024	20:38	LB133525
	Barium	9260	10000	93	90 - 110	P	11/19/2024	20:38	LB133525
	Cadmium	2420	2500	97	90 - 110	P	11/19/2024	20:38	LB133525
	Chromium	1010	1000	101	90 - 110	P	11/19/2024	20:38	LB133525
	Lead	4860	5000	97	90 - 110	P	11/19/2024	20:38	LB133525
	Selenium	4740	5000	95	90 - 110	P	11/19/2024	20:38	LB133525
	Silver	1250	1250	100	90 - 110	P	11/19/2024	20:38	LB133525
CCV02	Arsenic	4710	5000	94	90 - 110	P	11/19/2024	21:36	LB133525
	Barium	10200	10000	102	90 - 110	P	11/19/2024	21:36	LB133525
	Cadmium	2740	2500	109	90 - 110	P	11/19/2024	21:36	LB133525
	Chromium	1090	1000	109	90 - 110	P	11/19/2024	21:36	LB133525
	Lead	5290	5000	106	90 - 110	P	11/19/2024	21:36	LB133525
	Selenium	4570	5000	91	90 - 110	P	11/19/2024	21:36	LB133525
	Silver	1230	1250	98	90 - 110	P	11/19/2024	21:36	LB133525

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CRDL STANDARD FOR AA & ICP

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	0.24	0.2	119	40 - 160	CV	11/12/2024	14:39	LB133407
CRI01	Aluminum	98.5	100	98	40 - 160	P	11/14/2024	14:40	LB133457
	Antimony	47.2	50.0	94	40 - 160	P	11/14/2024	14:40	LB133457
	Arsenic	20.6	20.0	103	40 - 160	P	11/14/2024	14:40	LB133457
	Barium	95.9	100	96	40 - 160	P	11/14/2024	14:40	LB133457
	Beryllium	5.63	6.0	94	40 - 160	P	11/14/2024	14:40	LB133457
	Cadmium	6.51	6.0	108	40 - 160	P	11/14/2024	14:40	LB133457
	Calcium	1930	2000	96	40 - 160	P	11/14/2024	14:40	LB133457
	Chromium	9.55	10.0	96	40 - 160	P	11/14/2024	14:40	LB133457
	Cobalt	27.6	30.0	92	40 - 160	P	11/14/2024	14:40	LB133457
	Copper	21.3	20.0	107	40 - 160	P	11/14/2024	14:40	LB133457
	Iron	93.2	100	93	40 - 160	P	11/14/2024	14:40	LB133457
	Lead	11.8	12.0	98	40 - 160	P	11/14/2024	14:40	LB133457
	Magnesium	1920	2000	96	40 - 160	P	11/14/2024	14:40	LB133457
	Manganese	19.6	20.0	98	40 - 160	P	11/14/2024	14:40	LB133457
	Nickel	36.7	40.0	92	40 - 160	P	11/14/2024	14:40	LB133457
	Potassium	1850	2000	92	40 - 160	P	11/14/2024	14:40	LB133457
	Selenium	17.4	20.0	87	40 - 160	P	11/14/2024	14:40	LB133457
	Silver	9.72	10.0	97	40 - 160	P	11/14/2024	14:40	LB133457
	Sodium	1670	2000	83	40 - 160	P	11/14/2024	14:40	LB133457
	Thallium	37.5	40.0	94	40 - 160	P	11/14/2024	14:40	LB133457
	Vanadium	38.4	40.0	96	40 - 160	P	11/14/2024	14:40	LB133457
	Zinc	41.6	40.0	104	40 - 160	P	11/14/2024	14:40	LB133457

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	40 - 160	CV	11/08/2024	10:28	LB133352
CRI01	Arsenic	20.1	20.0	100	40 - 160	P	11/08/2024	14:20	LB133365
	Barium	95.0	100	95	40 - 160	P	11/08/2024	14:20	LB133365
	Cadmium	6.16	6.0	103	40 - 160	P	11/08/2024	14:20	LB133365
	Chromium	9.24	10.0	92	40 - 160	P	11/08/2024	14:20	LB133365
	Lead	11.8	12.0	98	40 - 160	P	11/08/2024	14:20	LB133365
	Selenium	19.8	20.0	99	40 - 160	P	11/08/2024	14:20	LB133365
	Silver	10.3	10.0	103	40 - 160	P	11/08/2024	14:20	LB133365
CRI01	Arsenic	21.8	20.0	109	40 - 160	P	11/19/2024	20:19	LB133525
	Barium	99.9	100	100	40 - 160	P	11/19/2024	20:19	LB133525
	Cadmium	7.16	6.0	119	40 - 160	P	11/19/2024	20:19	LB133525
	Chromium	10.5	10.0	105	40 - 160	P	11/19/2024	20:19	LB133525
	Lead	11.3	12.0	94	40 - 160	P	11/19/2024	20:19	LB133525
	Selenium	17.2	20.0	86	40 - 160	P	11/19/2024	20:19	LB133525
	Silver	10.3	10.0	103	40 - 160	P	11/19/2024	20:19	LB133525

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB83	Mercury	0.20	+/-0.20	U	0.20	CV	11/12/2024	14:22	LB133407

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB75	Mercury	0.20	+/-0.20	U	0.20	CV	11/12/2024	14:29	LB133407
CCB76	Mercury	0.20	+/-0.20	U	0.20	CV	11/12/2024	15:07	LB133407
CCB77	Mercury	0.20	+/-0.20	U	0.20	CV	11/12/2024	15:37	LB133407
CCB78	Mercury	0.20	+/-0.20	U	0.20	CV	11/12/2024	16:01	LB133407
CCB79	Mercury	0.20	+/-0.20	U	0.20	CV	11/12/2024	16:27	LB133407

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	11/14/2024	14:36	LB133457
	Antimony	50.0	+/-50.0	U	50.0	P	11/14/2024	14:36	LB133457
	Arsenic	20.0	+/-20.0	U	20.0	P	11/14/2024	14:36	LB133457
	Barium	100	+/-100	U	100	P	11/14/2024	14:36	LB133457
	Beryllium	6.00	+/-6.00	U	6.00	P	11/14/2024	14:36	LB133457
	Cadmium	6.00	+/-6.00	U	6.00	P	11/14/2024	14:36	LB133457
	Calcium	2000	+/-2000	U	2000	P	11/14/2024	14:36	LB133457
	Chromium	10.0	+/-10.0	U	10.0	P	11/14/2024	14:36	LB133457
	Cobalt	30.0	+/-30.0	U	30.0	P	11/14/2024	14:36	LB133457
	Copper	20.0	+/-20.0	U	20.0	P	11/14/2024	14:36	LB133457
	Iron	100	+/-100	U	100	P	11/14/2024	14:36	LB133457
	Lead	12.0	+/-12.0	U	12.0	P	11/14/2024	14:36	LB133457
	Magnesium	2000	+/-2000	U	2000	P	11/14/2024	14:36	LB133457
	Manganese	20.0	+/-20.0	U	20.0	P	11/14/2024	14:36	LB133457
	Nickel	40.0	+/-40.0	U	40.0	P	11/14/2024	14:36	LB133457
	Potassium	2000	+/-2000	U	2000	P	11/14/2024	14:36	LB133457
	Selenium	20.0	+/-20.0	U	20.0	P	11/14/2024	14:36	LB133457
	Silver	10.0	+/-10.0	U	10.0	P	11/14/2024	14:36	LB133457
	Sodium	2000	+/-2000	U	2000	P	11/14/2024	14:36	LB133457
	Thallium	40.0	+/-40.0	U	40.0	P	11/14/2024	14:36	LB133457
	Vanadium	40.0	+/-40.0	U	40.0	P	11/14/2024	14:36	LB133457
	Zinc	40.0	+/-40.0	U	40.0	P	11/14/2024	14:36	LB133457

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	11/14/2024	15:27	LB133457
	Antimony	50.0	+/-50.0	U	50.0	P	11/14/2024	15:27	LB133457
	Arsenic	20.0	+/-20.0	U	20.0	P	11/14/2024	15:27	LB133457
	Barium	100	+/-100	U	100	P	11/14/2024	15:27	LB133457
	Beryllium	6.00	+/-6.00	U	6.00	P	11/14/2024	15:27	LB133457
	Cadmium	6.00	+/-6.00	U	6.00	P	11/14/2024	15:27	LB133457
	Calcium	2000	+/-2000	U	2000	P	11/14/2024	15:27	LB133457
	Chromium	10.0	+/-10.0	U	10.0	P	11/14/2024	15:27	LB133457
	Cobalt	30.0	+/-30.0	U	30.0	P	11/14/2024	15:27	LB133457
	Copper	20.0	+/-20.0	U	20.0	P	11/14/2024	15:27	LB133457
	Iron	100	+/-100	U	100	P	11/14/2024	15:27	LB133457
	Lead	12.0	+/-12.0	U	12.0	P	11/14/2024	15:27	LB133457
	Magnesium	2000	+/-2000	U	2000	P	11/14/2024	15:27	LB133457
	Manganese	20.0	+/-20.0	U	20.0	P	11/14/2024	15:27	LB133457
	Nickel	40.0	+/-40.0	U	40.0	P	11/14/2024	15:27	LB133457
	Potassium	2000	+/-2000	U	2000	P	11/14/2024	15:27	LB133457
	Selenium	20.0	+/-20.0	U	20.0	P	11/14/2024	15:27	LB133457
	Silver	10.0	+/-10.0	U	10.0	P	11/14/2024	15:27	LB133457
	Sodium	2000	+/-2000	U	2000	P	11/14/2024	15:27	LB133457
	Thallium	40.0	+/-40.0	U	40.0	P	11/14/2024	15:27	LB133457
	Vanadium	40.0	+/-40.0	U	40.0	P	11/14/2024	15:27	LB133457
	Zinc	40.0	+/-40.0	U	40.0	P	11/14/2024	15:27	LB133457
CCB02	Aluminum	100	+/-100	U	100	P	11/14/2024	15:40	LB133457
	Antimony	50.0	+/-50.0	U	50.0	P	11/14/2024	15:40	LB133457
	Arsenic	20.0	+/-20.0	U	20.0	P	11/14/2024	15:40	LB133457
	Barium	100	+/-100	U	100	P	11/14/2024	15:40	LB133457
	Beryllium	6.00	+/-6.00	U	6.00	P	11/14/2024	15:40	LB133457
	Cadmium	6.00	+/-6.00	U	6.00	P	11/14/2024	15:40	LB133457
	Calcium	2000	+/-2000	U	2000	P	11/14/2024	15:40	LB133457
	Chromium	10.0	+/-10.0	U	10.0	P	11/14/2024	15:40	LB133457
	Cobalt	30.0	+/-30.0	U	30.0	P	11/14/2024	15:40	LB133457
	Copper	20.0	+/-20.0	U	20.0	P	11/14/2024	15:40	LB133457
	Iron	100	+/-100	U	100	P	11/14/2024	15:40	LB133457
	Lead	12.0	+/-12.0	U	12.0	P	11/14/2024	15:40	LB133457
	Magnesium	2000	+/-2000	U	2000	P	11/14/2024	15:40	LB133457
	Manganese	20.0	+/-20.0	U	20.0	P	11/14/2024	15:40	LB133457
	Nickel	40.0	+/-40.0	U	40.0	P	11/14/2024	15:40	LB133457
	Potassium	2000	+/-2000	U	2000	P	11/14/2024	15:40	LB133457
	Selenium	20.0	+/-20.0	U	20.0	P	11/14/2024	15:40	LB133457

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Fax : 908 789 8922

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	11/14/2024	15:40	LB133457
	Sodium	2000	+/-2000	U	2000	P	11/14/2024	15:40	LB133457
	Thallium	40.0	+/-40.0	U	40.0	P	11/14/2024	15:40	LB133457
	Vanadium	40.0	+/-40.0	U	40.0	P	11/14/2024	15:40	LB133457
	Zinc	40.0	+/-40.0	U	40.0	P	11/14/2024	15:40	LB133457
CCB03	Aluminum	100	+/-100	U	100	P	11/14/2024	16:31	LB133457
	Antimony	50.0	+/-50.0	U	50.0	P	11/14/2024	16:31	LB133457
	Arsenic	20.0	+/-20.0	U	20.0	P	11/14/2024	16:31	LB133457
	Barium	100	+/-100	U	100	P	11/14/2024	16:31	LB133457
	Beryllium	6.00	+/-6.00	U	6.00	P	11/14/2024	16:31	LB133457
	Cadmium	6.00	+/-6.00	U	6.00	P	11/14/2024	16:31	LB133457
	Calcium	2000	+/-2000	U	2000	P	11/14/2024	16:31	LB133457
	Chromium	10.0	+/-10.0	U	10.0	P	11/14/2024	16:31	LB133457
	Cobalt	30.0	+/-30.0	U	30.0	P	11/14/2024	16:31	LB133457
	Copper	20.0	+/-20.0	U	20.0	P	11/14/2024	16:31	LB133457
	Iron	100	+/-100	U	100	P	11/14/2024	16:31	LB133457
	Lead	12.0	+/-12.0	U	12.0	P	11/14/2024	16:31	LB133457
	Magnesium	2000	+/-2000	U	2000	P	11/14/2024	16:31	LB133457
	Manganese	20.0	+/-20.0	U	20.0	P	11/14/2024	16:31	LB133457
	Nickel	40.0	+/-40.0	U	40.0	P	11/14/2024	16:31	LB133457
	Potassium	2000	+/-2000	U	2000	P	11/14/2024	16:31	LB133457
	Selenium	20.0	+/-20.0	U	20.0	P	11/14/2024	16:31	LB133457
	Silver	10.0	+/-10.0	U	10.0	P	11/14/2024	16:31	LB133457
	Sodium	2000	+/-2000	U	2000	P	11/14/2024	16:31	LB133457
	Thallium	40.0	+/-40.0	U	40.0	P	11/14/2024	16:31	LB133457
	Vanadium	40.0	+/-40.0	U	40.0	P	11/14/2024	16:31	LB133457
	Zinc	40.0	+/-40.0	U	40.0	P	11/14/2024	16:31	LB133457
CCB04	Aluminum	100	+/-100	U	100	P	11/14/2024	17:27	LB133457
	Antimony	50.0	+/-50.0	U	50.0	P	11/14/2024	17:27	LB133457
	Arsenic	20.0	+/-20.0	U	20.0	P	11/14/2024	17:27	LB133457
	Barium	100	+/-100	U	100	P	11/14/2024	17:27	LB133457
	Beryllium	6.00	+/-6.00	U	6.00	P	11/14/2024	17:27	LB133457
	Cadmium	6.00	+/-6.00	U	6.00	P	11/14/2024	17:27	LB133457
	Calcium	2000	+/-2000	U	2000	P	11/14/2024	17:27	LB133457
	Chromium	10.0	+/-10.0	U	10.0	P	11/14/2024	17:27	LB133457
	Cobalt	30.0	+/-30.0	U	30.0	P	11/14/2024	17:27	LB133457
	Copper	20.0	+/-20.0	U	20.0	P	11/14/2024	17:27	LB133457
	Iron	100	+/-100	U	100	P	11/14/2024	17:27	LB133457
	Lead	12.0	+/-12.0	U	12.0	P	11/14/2024	17:27	LB133457

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	11/14/2024	17:27	LB133457
	Manganese	20.0	+/-20.0	U	20.0	P	11/14/2024	17:27	LB133457
	Nickel	40.0	+/-40.0	U	40.0	P	11/14/2024	17:27	LB133457
	Potassium	2000	+/-2000	U	2000	P	11/14/2024	17:27	LB133457
	Selenium	20.0	+/-20.0	U	20.0	P	11/14/2024	17:27	LB133457
	Silver	10.0	+/-10.0	U	10.0	P	11/14/2024	17:27	LB133457
	Sodium	2000	+/-2000	U	2000	P	11/14/2024	17:27	LB133457
	Thallium	40.0	+/-40.0	U	40.0	P	11/14/2024	17:27	LB133457
	Vanadium	40.0	+/-40.0	U	40.0	P	11/14/2024	17:27	LB133457
	Zinc	40.0	+/-40.0	U	40.0	P	11/14/2024	17:27	LB133457
CCB05	Aluminum	100	+/-100	U	100	P	11/14/2024	18:17	LB133457
	Antimony	50.0	+/-50.0	U	50.0	P	11/14/2024	18:17	LB133457
	Arsenic	20.0	+/-20.0	U	20.0	P	11/14/2024	18:17	LB133457
	Barium	100	+/-100	U	100	P	11/14/2024	18:17	LB133457
	Beryllium	6.00	+/-6.00	U	6.00	P	11/14/2024	18:17	LB133457
	Cadmium	6.00	+/-6.00	U	6.00	P	11/14/2024	18:17	LB133457
	Calcium	2000	+/-2000	U	2000	P	11/14/2024	18:17	LB133457
	Chromium	10.0	+/-10.0	U	10.0	P	11/14/2024	18:17	LB133457
	Cobalt	30.0	+/-30.0	U	30.0	P	11/14/2024	18:17	LB133457
	Copper	20.0	+/-20.0	U	20.0	P	11/14/2024	18:17	LB133457
	Iron	100	+/-100	U	100	P	11/14/2024	18:17	LB133457
	Lead	12.0	+/-12.0	U	12.0	P	11/14/2024	18:17	LB133457
	Magnesium	2000	+/-2000	U	2000	P	11/14/2024	18:17	LB133457
	Manganese	20.0	+/-20.0	U	20.0	P	11/14/2024	18:17	LB133457
	Nickel	40.0	+/-40.0	U	40.0	P	11/14/2024	18:17	LB133457
	Potassium	2000	+/-2000	U	2000	P	11/14/2024	18:17	LB133457
	Selenium	20.0	+/-20.0	U	20.0	P	11/14/2024	18:17	LB133457
	Silver	10.0	+/-10.0	U	10.0	P	11/14/2024	18:17	LB133457
	Sodium	2000	+/-2000	U	2000	P	11/14/2024	18:17	LB133457
	Thallium	40.0	+/-40.0	U	40.0	P	11/14/2024	18:17	LB133457
	Vanadium	40.0	+/-40.0	U	40.0	P	11/14/2024	18:17	LB133457
	Zinc	40.0	+/-40.0	U	40.0	P	11/14/2024	18:17	LB133457
CCB06	Aluminum	100	+/-100	U	100	P	11/14/2024	19:07	LB133457
	Antimony	50.0	+/-50.0	U	50.0	P	11/14/2024	19:07	LB133457
	Arsenic	20.0	+/-20.0	U	20.0	P	11/14/2024	19:07	LB133457
	Barium	100	+/-100	U	100	P	11/14/2024	19:07	LB133457
	Beryllium	6.00	+/-6.00	U	6.00	P	11/14/2024	19:07	LB133457
	Cadmium	6.00	+/-6.00	U	6.00	P	11/14/2024	19:07	LB133457
	Calcium	2000	+/-2000	U	2000	P	11/14/2024	19:07	LB133457

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	11/14/2024	19:07	LB133457
	Cobalt	30.0	+/-30.0	U	30.0	P	11/14/2024	19:07	LB133457
	Copper	20.0	+/-20.0	U	20.0	P	11/14/2024	19:07	LB133457
	Iron	100	+/-100	U	100	P	11/14/2024	19:07	LB133457
	Lead	12.0	+/-12.0	U	12.0	P	11/14/2024	19:07	LB133457
	Magnesium	2000	+/-2000	U	2000	P	11/14/2024	19:07	LB133457
	Manganese	20.0	+/-20.0	U	20.0	P	11/14/2024	19:07	LB133457
	Nickel	40.0	+/-40.0	U	40.0	P	11/14/2024	19:07	LB133457
	Potassium	2000	+/-2000	U	2000	P	11/14/2024	19:07	LB133457
	Selenium	20.0	+/-20.0	U	20.0	P	11/14/2024	19:07	LB133457
	Silver	10.0	+/-10.0	U	10.0	P	11/14/2024	19:07	LB133457
	Sodium	2000	+/-2000	U	2000	P	11/14/2024	19:07	LB133457
	Thallium	40.0	+/-40.0	U	40.0	P	11/14/2024	19:07	LB133457
	Vanadium	40.0	+/-40.0	U	40.0	P	11/14/2024	19:07	LB133457
	Zinc	40.0	+/-40.0	U	40.0	P	11/14/2024	19:07	LB133457
CCB07	Aluminum	100	+/-100	U	100	P	11/14/2024	19:59	LB133457
	Antimony	50.0	+/-50.0	U	50.0	P	11/14/2024	19:59	LB133457
	Arsenic	20.0	+/-20.0	U	20.0	P	11/14/2024	19:59	LB133457
	Barium	100	+/-100	U	100	P	11/14/2024	19:59	LB133457
	Beryllium	6.00	+/-6.00	U	6.00	P	11/14/2024	19:59	LB133457
	Cadmium	6.00	+/-6.00	U	6.00	P	11/14/2024	19:59	LB133457
	Calcium	2000	+/-2000	U	2000	P	11/14/2024	19:59	LB133457
	Chromium	10.0	+/-10.0	U	10.0	P	11/14/2024	19:59	LB133457
	Cobalt	30.0	+/-30.0	U	30.0	P	11/14/2024	19:59	LB133457
	Copper	20.0	+/-20.0	U	20.0	P	11/14/2024	19:59	LB133457
	Iron	100	+/-100	U	100	P	11/14/2024	19:59	LB133457
	Lead	12.0	+/-12.0	U	12.0	P	11/14/2024	19:59	LB133457
	Magnesium	2000	+/-2000	U	2000	P	11/14/2024	19:59	LB133457
	Manganese	20.0	+/-20.0	U	20.0	P	11/14/2024	19:59	LB133457
	Nickel	40.0	+/-40.0	U	40.0	P	11/14/2024	19:59	LB133457
	Potassium	2000	+/-2000	U	2000	P	11/14/2024	19:59	LB133457
	Selenium	20.0	+/-20.0	U	20.0	P	11/14/2024	19:59	LB133457
	Silver	10.0	+/-10.0	U	10.0	P	11/14/2024	19:59	LB133457
	Sodium	2000	+/-2000	U	2000	P	11/14/2024	19:59	LB133457
	Thallium	40.0	+/-40.0	U	40.0	P	11/14/2024	19:59	LB133457
	Vanadium	40.0	+/-40.0	U	40.0	P	11/14/2024	19:59	LB133457
	Zinc	40.0	+/-40.0	U	40.0	P	11/14/2024	19:59	LB133457
CCB08	Aluminum	100	+/-100	U	100	P	11/14/2024	21:42	LB133457
	Antimony	50.0	+/-50.0	U	50.0	P	11/14/2024	21:42	LB133457

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	20.0	+/-20.0	U	20.0	P	11/14/2024	21:42	LB133457
	Barium	100	+/-100	U	100	P	11/14/2024	21:42	LB133457
	Beryllium	6.00	+/-6.00	U	6.00	P	11/14/2024	21:42	LB133457
	Cadmium	6.00	+/-6.00	U	6.00	P	11/14/2024	21:42	LB133457
	Calcium	2000	+/-2000	U	2000	P	11/14/2024	21:42	LB133457
	Chromium	10.0	+/-10.0	U	10.0	P	11/14/2024	21:42	LB133457
	Cobalt	30.0	+/-30.0	U	30.0	P	11/14/2024	21:42	LB133457
	Copper	20.0	+/-20.0	U	20.0	P	11/14/2024	21:42	LB133457
	Iron	100	+/-100	U	100	P	11/14/2024	21:42	LB133457
	Lead	12.0	+/-12.0	U	12.0	P	11/14/2024	21:42	LB133457
	Magnesium	2000	+/-2000	U	2000	P	11/14/2024	21:42	LB133457
	Manganese	20.0	+/-20.0	U	20.0	P	11/14/2024	21:42	LB133457
	Nickel	40.0	+/-40.0	U	40.0	P	11/14/2024	21:42	LB133457
	Potassium	2000	+/-2000	U	2000	P	11/14/2024	21:42	LB133457
	Selenium	20.0	+/-20.0	U	20.0	P	11/14/2024	21:42	LB133457
	Silver	10.0	+/-10.0	U	10.0	P	11/14/2024	21:42	LB133457
	Sodium	2000	+/-2000	U	2000	P	11/14/2024	21:42	LB133457
	Thallium	40.0	+/-40.0	U	40.0	P	11/14/2024	21:42	LB133457
	Vanadium	40.0	+/-40.0	U	40.0	P	11/14/2024	21:42	LB133457
	Zinc	40.0	+/-40.0	U	40.0	P	11/14/2024	21:42	LB133457
CCB09	Aluminum	100	+/-100	U	100	P	11/14/2024	22:08	LB133457
	Antimony	50.0	+/-50.0	U	50.0	P	11/14/2024	22:08	LB133457
	Arsenic	20.0	+/-20.0	U	20.0	P	11/14/2024	22:08	LB133457
	Barium	100	+/-100	U	100	P	11/14/2024	22:08	LB133457
	Beryllium	6.00	+/-6.00	U	6.00	P	11/14/2024	22:08	LB133457
	Cadmium	6.00	+/-6.00	U	6.00	P	11/14/2024	22:08	LB133457
	Calcium	2000	+/-2000	U	2000	P	11/14/2024	22:08	LB133457
	Chromium	10.0	+/-10.0	U	10.0	P	11/14/2024	22:08	LB133457
	Cobalt	30.0	+/-30.0	U	30.0	P	11/14/2024	22:08	LB133457
	Copper	20.0	+/-20.0	U	20.0	P	11/14/2024	22:08	LB133457
	Iron	100	+/-100	U	100	P	11/14/2024	22:08	LB133457
	Lead	12.0	+/-12.0	U	12.0	P	11/14/2024	22:08	LB133457
	Magnesium	2000	+/-2000	U	2000	P	11/14/2024	22:08	LB133457
	Manganese	20.0	+/-20.0	U	20.0	P	11/14/2024	22:08	LB133457
	Nickel	40.0	+/-40.0	U	40.0	P	11/14/2024	22:08	LB133457
	Potassium	2000	+/-2000	U	2000	P	11/14/2024	22:08	LB133457
	Selenium	20.0	+/-20.0	U	20.0	P	11/14/2024	22:08	LB133457
	Silver	10.0	+/-10.0	U	10.0	P	11/14/2024	22:08	LB133457
	Sodium	2000	+/-2000	U	2000	P	11/14/2024	22:08	LB133457

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Fax : 908 789 8922

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	40.0	+/-40.0	U	40.0	P	11/14/2024	22:08	LB133457
	Vanadium	40.0	+/-40.0	U	40.0	P	11/14/2024	22:08	LB133457
	Zinc	40.0	+/-40.0	U	40.0	P	11/14/2024	22:08	LB133457
CCB10	Aluminum	100	+/-100	U	100	P	11/14/2024	23:03	LB133457
	Antimony	50.0	+/-50.0	U	50.0	P	11/14/2024	23:03	LB133457
	Arsenic	20.0	+/-20.0	U	20.0	P	11/14/2024	23:03	LB133457
	Barium	100	+/-100	U	100	P	11/14/2024	23:03	LB133457
	Beryllium	6.00	+/-6.00	U	6.00	P	11/14/2024	23:03	LB133457
	Cadmium	6.00	+/-6.00	U	6.00	P	11/14/2024	23:03	LB133457
	Calcium	2000	+/-2000	U	2000	P	11/14/2024	23:03	LB133457
	Chromium	10.0	+/-10.0	U	10.0	P	11/14/2024	23:03	LB133457
	Cobalt	30.0	+/-30.0	U	30.0	P	11/14/2024	23:03	LB133457
	Copper	20.0	+/-20.0	U	20.0	P	11/14/2024	23:03	LB133457
	Iron	100	+/-100	U	100	P	11/14/2024	23:03	LB133457
	Lead	12.0	+/-12.0	U	12.0	P	11/14/2024	23:03	LB133457
	Magnesium	2000	+/-2000	U	2000	P	11/14/2024	23:03	LB133457
	Manganese	20.0	+/-20.0	U	20.0	P	11/14/2024	23:03	LB133457
	Nickel	40.0	+/-40.0	U	40.0	P	11/14/2024	23:03	LB133457
	Potassium	2000	+/-2000	U	2000	P	11/14/2024	23:03	LB133457
	Selenium	20.0	+/-20.0	U	20.0	P	11/14/2024	23:03	LB133457
	Silver	10.0	+/-10.0	U	10.0	P	11/14/2024	23:03	LB133457
	Sodium	2000	+/-2000	U	2000	P	11/14/2024	23:03	LB133457
	Thallium	40.0	+/-40.0	U	40.0	P	11/14/2024	23:03	LB133457
	Vanadium	40.0	+/-40.0	U	40.0	P	11/14/2024	23:03	LB133457
	Zinc	40.0	+/-40.0	U	40.0	P	11/14/2024	23:03	LB133457

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB75	Mercury	0.20	+/-0.20	U	0.20	CV	11/08/2024	10:21	LB133352

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB51	Mercury	0.20	+/-0.20	U	0.20	CV	11/08/2024	10:25	LB133352
CCB52	Mercury	0.20	+/-0.20	U	0.20	CV	11/08/2024	10:56	LB133352
CCB53	Mercury	0.20	+/-0.20	U	0.20	CV	11/08/2024	11:23	LB133352
CCB54	Mercury	0.20	+/-0.20	U	0.20	CV	11/08/2024	11:34	LB133352

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	20.0	P	11/08/2024	14:16	LB133365
	Barium	100	+/-100	U	100	P	11/08/2024	14:16	LB133365
	Cadmium	6.00	+/-6.00	U	6.00	P	11/08/2024	14:16	LB133365
	Chromium	10.0	+/-10.0	U	10.0	P	11/08/2024	14:16	LB133365
	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	14:16	LB133365
	Selenium	20.0	+/-20.0	U	20.0	P	11/08/2024	14:16	LB133365
	Silver	10.0	+/-10.0	U	10.0	P	11/08/2024	14:16	LB133365

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	20.0	P	11/08/2024	14:50	LB133365
	Barium	100	+/-100	U	100	P	11/08/2024	14:50	LB133365
	Cadmium	6.00	+/-6.00	U	6.00	P	11/08/2024	14:50	LB133365
	Chromium	10.0	+/-10.0	U	10.0	P	11/08/2024	14:50	LB133365
	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	14:50	LB133365
	Selenium	20.0	+/-20.0	U	20.0	P	11/08/2024	14:50	LB133365
	Silver	10.0	+/-10.0	U	10.0	P	11/08/2024	14:50	LB133365
CCB02	Arsenic	20.0	+/-20.0	U	20.0	P	11/08/2024	15:33	LB133365
	Barium	100	+/-100	U	100	P	11/08/2024	15:33	LB133365
	Cadmium	6.00	+/-6.00	U	6.00	P	11/08/2024	15:33	LB133365
	Chromium	10.0	+/-10.0	U	10.0	P	11/08/2024	15:33	LB133365
	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	15:33	LB133365
	Selenium	20.0	+/-20.0	U	20.0	P	11/08/2024	15:33	LB133365
	Silver	10.0	+/-10.0	U	10.0	P	11/08/2024	15:33	LB133365
CCB03	Arsenic	20.0	+/-20.0	U	20.0	P	11/08/2024	16:28	LB133365
	Barium	100	+/-100	U	100	P	11/08/2024	16:28	LB133365
	Cadmium	6.00	+/-6.00	U	6.00	P	11/08/2024	16:28	LB133365
	Chromium	10.0	+/-10.0	U	10.0	P	11/08/2024	16:28	LB133365
	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	16:28	LB133365
	Selenium	20.0	+/-20.0	U	20.0	P	11/08/2024	16:28	LB133365
	Silver	10.0	+/-10.0	U	10.0	P	11/08/2024	16:28	LB133365
CCB04	Arsenic	20.0	+/-20.0	U	20.0	P	11/08/2024	17:22	LB133365
	Barium	100	+/-100	U	100	P	11/08/2024	17:22	LB133365
	Cadmium	6.00	+/-6.00	U	6.00	P	11/08/2024	17:22	LB133365
	Chromium	10.0	+/-10.0	U	10.0	P	11/08/2024	17:22	LB133365
	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	17:22	LB133365
	Selenium	20.0	+/-20.0	U	20.0	P	11/08/2024	17:22	LB133365
	Silver	10.0	+/-10.0	U	10.0	P	11/08/2024	17:22	LB133365
CCB05	Arsenic	20.0	+/-20.0	U	20.0	P	11/08/2024	18:08	LB133365
	Barium	100	+/-100	U	100	P	11/08/2024	18:08	LB133365
	Cadmium	6.00	+/-6.00	U	6.00	P	11/08/2024	18:08	LB133365
	Chromium	10.0	+/-10.0	U	10.0	P	11/08/2024	18:08	LB133365
	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	18:08	LB133365
	Selenium	20.0	+/-20.0	U	20.0	P	11/08/2024	18:08	LB133365
	Silver	10.0	+/-10.0	U	10.0	P	11/08/2024	18:08	LB133365
CCB06	Arsenic	20.0	+/-20.0	U	20.0	P	11/08/2024	18:59	LB133365
	Barium	100	+/-100	U	100	P	11/08/2024	18:59	LB133365
	Cadmium	6.00	+/-6.00	U	6.00	P	11/08/2024	18:59	LB133365
	Chromium	10.0	+/-10.0	U	10.0	P	11/08/2024	18:59	LB133365

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	18:59	LB133365
	Selenium	20.0	+/-20.0	U	20.0	P	11/08/2024	18:59	LB133365
	Silver	10.0	+/-10.0	U	10.0	P	11/08/2024	18:59	LB133365
CCB07	Arsenic	20.0	+/-20.0	U	20.0	P	11/08/2024	19:51	LB133365
	Barium	100	+/-100	U	100	P	11/08/2024	19:51	LB133365
	Cadmium	6.00	+/-6.00	U	6.00	P	11/08/2024	19:51	LB133365
	Chromium	10.0	+/-10.0	U	10.0	P	11/08/2024	19:51	LB133365
	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	19:51	LB133365
	Selenium	20.0	+/-20.0	U	20.0	P	11/08/2024	19:51	LB133365
	Silver	10.0	+/-10.0	U	10.0	P	11/08/2024	19:51	LB133365
CCB08	Arsenic	20.0	+/-20.0	U	20.0	P	11/08/2024	20:57	LB133365
	Barium	100	+/-100	U	100	P	11/08/2024	20:57	LB133365
	Cadmium	6.00	+/-6.00	U	6.00	P	11/08/2024	20:57	LB133365
	Chromium	10.0	+/-10.0	U	10.0	P	11/08/2024	20:57	LB133365
	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	20:57	LB133365
	Selenium	20.0	+/-20.0	U	20.0	P	11/08/2024	20:57	LB133365
	Silver	10.0	+/-10.0	U	10.0	P	11/08/2024	20:57	LB133365
CCB09	Arsenic	20.0	+/-20.0	U	20.0	P	11/08/2024	21:55	LB133365
	Barium	100	+/-100	U	100	P	11/08/2024	21:55	LB133365
	Cadmium	6.00	+/-6.00	U	6.00	P	11/08/2024	21:55	LB133365
	Chromium	10.0	+/-10.0	U	10.0	P	11/08/2024	21:55	LB133365
	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	21:55	LB133365
	Selenium	20.0	+/-20.0	U	20.0	P	11/08/2024	21:55	LB133365
	Silver	10.0	+/-10.0	U	10.0	P	11/08/2024	21:55	LB133365
CCB10	Arsenic	20.0	+/-20.0	U	20.0	P	11/08/2024	23:35	LB133365
	Barium	100	+/-100	U	100	P	11/08/2024	23:35	LB133365
	Cadmium	6.00	+/-6.00	U	6.00	P	11/08/2024	23:35	LB133365
	Chromium	10.0	+/-10.0	U	10.0	P	11/08/2024	23:35	LB133365
	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	23:35	LB133365
	Selenium	20.0	+/-20.0	U	20.0	P	11/08/2024	23:35	LB133365
	Silver	10.0	+/-10.0	U	10.0	P	11/08/2024	23:35	LB133365

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	20.0	P	11/19/2024	20:14	LB133525
	Barium	100	+/-100	U	100	P	11/19/2024	20:14	LB133525
	Cadmium	6.00	+/-6.00	U	6.00	P	11/19/2024	20:14	LB133525
	Chromium	10.0	+/-10.0	U	10.0	P	11/19/2024	20:14	LB133525
	Lead	12.0	+/-12.0	U	12.0	P	11/19/2024	20:14	LB133525
	Selenium	20.0	+/-20.0	U	20.0	P	11/19/2024	20:14	LB133525
	Silver	10.0	+/-10.0	U	10.0	P	11/19/2024	20:14	LB133525

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	20.0	P	11/19/2024	20:47	LB133525
	Barium	100	+/-100	U	100	P	11/19/2024	20:47	LB133525
	Cadmium	6.00	+/-6.00	U	6.00	P	11/19/2024	20:47	LB133525
	Chromium	10.0	+/-10.0	U	10.0	P	11/19/2024	20:47	LB133525
	Lead	12.0	+/-12.0	U	12.0	P	11/19/2024	20:47	LB133525
	Selenium	20.0	+/-20.0	U	20.0	P	11/19/2024	20:47	LB133525
	Silver	10.0	+/-10.0	U	10.0	P	11/19/2024	20:47	LB133525
CCB02	Arsenic	20.0	+/-20.0	U	20.0	P	11/19/2024	21:42	LB133525
	Barium	100	+/-100	U	100	P	11/19/2024	21:42	LB133525
	Cadmium	6.00	+/-6.00	U	6.00	P	11/19/2024	21:42	LB133525
	Chromium	10.0	+/-10.0	U	10.0	P	11/19/2024	21:42	LB133525
	Lead	12.0	+/-12.0	U	12.0	P	11/19/2024	21:42	LB133525
	Selenium	20.0	+/-20.0	U	20.0	P	11/19/2024	21:42	LB133525
	Silver	10.0	+/-10.0	U	10.0	P	11/19/2024	21:42	LB133525

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PREPARATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164892BL		**WATER**		**Batch Number:**	**PB164892**		**Prep Date:**	**11/11/2024**	
	Mercury	0.20	<0.20	U	0.20	CV	11/12/2024	14:49	LB133407
Sample ID	**Analyte**	**Result (ug/L)**	**Acceptance Limit**	**Conc Qual**	**CRQL ug/L**	**M**	**Analysis Date**	**Analysis Time**	**Run**
PB164892TB		**WATER**		**Batch Number:**	**PB164892**		**Prep Date:**	**11/11/2024**	
	Mercury	0.20	<0.20	U	0.20	CV	11/12/2024	16:06	LB133407

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Metals
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PREPARATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164869BL		**WATER**		**Batch Number:**	**PB164869**		**Prep Date:**	**11/11/2024**	
	Aluminum	50.0	<50.0	U	50.0	P	11/14/2024	16:05	LB133457
	Antimony	25.0	<25.0	U	25.0	P	11/14/2024	16:05	LB133457
	Arsenic	10.0	<10.0	U	10.0	P	11/14/2024	16:05	LB133457
	Barium	50.0	<50.0	U	50.0	P	11/14/2024	16:05	LB133457
	Beryllium	3.00	<3.00	U	3.00	P	11/14/2024	16:05	LB133457
	Cadmium	3.00	<3.00	U	3.00	P	11/14/2024	16:05	LB133457
	Calcium	1000	<1000	U	1000	P	11/14/2024	16:05	LB133457
	Chromium	5.00	<5.00	U	5.00	P	11/14/2024	16:05	LB133457
	Cobalt	15.0	<15.0	U	15.0	P	11/14/2024	16:05	LB133457
	Copper	10.0	<10.0	U	10.0	P	11/14/2024	16:05	LB133457
	Iron	50.0	<50.0	U	50.0	P	11/14/2024	16:05	LB133457
	Lead	6.00	<6.00	U	6.00	P	11/14/2024	16:05	LB133457
	Magnesium	1000	<1000	U	1000	P	11/14/2024	16:05	LB133457
	Manganese	10.0	<10.0	U	10.0	P	11/14/2024	16:05	LB133457
	Nickel	20.0	<20.0	U	20.0	P	11/14/2024	16:05	LB133457
	Potassium	1000	<1000	U	1000	P	11/14/2024	16:05	LB133457
	Selenium	10.0	<10.0	U	10.0	P	11/14/2024	16:05	LB133457
	Silver	5.00	<5.00	U	5.00	P	11/14/2024	16:05	LB133457
	Sodium	1000	<1000	U	1000	P	11/14/2024	16:05	LB133457
	Thallium	20.0	<20.0	U	20.0	P	11/14/2024	16:05	LB133457
	Vanadium	20.0	<20.0	U	20.0	P	11/14/2024	16:05	LB133457
	Zinc	20.0	<20.0	U	20.0	P	11/14/2024	16:05	LB133457

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164869TB		**WATER**		**Batch Number:**	**PB164869**		**Prep Date:**	**11/11/2024**	
	Aluminum	50.0	<50.0	U	50.0	P	11/14/2024	16:01	LB133457
	Antimony	25.0	<25.0	U	25.0	P	11/14/2024	16:01	LB133457
	Arsenic	10.0	<10.0	U	10.0	P	11/14/2024	16:01	LB133457
	Barium	50.0	<50.0	U	50.0	P	11/14/2024	16:01	LB133457
	Beryllium	3.00	<3.00	U	3.00	P	11/14/2024	16:01	LB133457
	Cadmium	3.00	<3.00	U	3.00	P	11/14/2024	16:01	LB133457
	Calcium	1000	<1000	U	1000	P	11/14/2024	16:01	LB133457
	Chromium	5.00	<5.00	U	5.00	P	11/14/2024	16:01	LB133457
	Cobalt	15.0	<15.0	U	15.0	P	11/14/2024	16:01	LB133457
	Copper	10.0	<10.0	U	10.0	P	11/14/2024	16:01	LB133457
	Iron	50.0	<50.0	U	50.0	P	11/14/2024	16:01	LB133457
	Lead	6.00	<6.00	U	6.00	P	11/14/2024	16:01	LB133457
	Magnesium	1000	<1000	U	1000	P	11/14/2024	16:01	LB133457
	Manganese	10.0	<10.0	U	10.0	P	11/14/2024	16:01	LB133457
	Nickel	20.0	<20.0	U	20.0	P	11/14/2024	16:01	LB133457

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PREPARATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Instrument: P4

Potassium	1000	<1000	U	1000	P	11/14/2024	16:01	LB133457
Selenium	10.0	<10.0	U	10.0	P	11/14/2024	16:01	LB133457
Silver	5.00	<5.00	U	5.00	P	11/14/2024	16:01	LB133457
Sodium	1000	<1000	U	1000	P	11/14/2024	16:01	LB133457
Thallium	20.0	<20.0	U	20.0	P	11/14/2024	16:01	LB133457
Vanadium	20.0	<20.0	U	20.0	P	11/14/2024	16:01	LB133457
Zinc	20.0	<20.0	U	20.0	P	11/14/2024	16:01	LB133457

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Fax : 908 789 8922

Metals
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PREPARATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164694TB		**WATER**		**Batch Number:**	**PB164791**		**Prep Date:**	**11/07/2024**	
	Mercury	2.00	<2.00	U	2.00	CV	11/08/2024	11:25	LB133352

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164791BL		**WATER**		**Batch Number:**	**PB164791**		**Prep Date:**	**11/07/2024**	
	Mercury	0.20	<0.20	U	0.20	CV	11/08/2024	10:38	LB133352

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Metals
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PREPARATION BLANK SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164694TB		**WATER**		**Batch Number:**	**PB164768**		**Prep Date:**	**11/07/2024**	
	Arsenic	100	<100	U	100	P	11/08/2024	16:54	LB133365
	Barium	500	<500	U	500	P	11/08/2024	16:54	LB133365
	Cadmium	30.0	<30.0	U	30.0	P	11/08/2024	16:54	LB133365
	Chromium	50.0	<50.0	U	50.0	P	11/08/2024	16:54	LB133365
	Lead	60.0	<60.0	U	60.0	P	11/08/2024	16:54	LB133365
	Selenium	100	<100	U	100	P	11/08/2024	16:54	LB133365
	Silver	50.0	<50.0	U	50.0	P	11/08/2024	16:54	LB133365

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164768BL		**WATER**		**Batch Number:**	**PB164768**		**Prep Date:**	**11/07/2024**	
	Arsenic	100	<100	U	100	P	11/08/2024	16:59	LB133365
	Barium	500	<500	U	500	P	11/08/2024	16:59	LB133365
	Cadmium	30.0	<30.0	U	30.0	P	11/08/2024	16:59	LB133365
	Chromium	50.0	<50.0	U	50.0	P	11/08/2024	16:59	LB133365
	Lead	60.0	<60.0	U	60.0	P	11/08/2024	16:59	LB133365
	Selenium	100	<100	U	100	P	11/08/2024	16:59	LB133365
	Silver	50.0	<50.0	U	50.0	P	11/08/2024	16:59	LB133365

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	257000	255000	101	216000	294000	11/14/2024	14:54	LB133457
	Antimony	-0.36			-50	50	11/14/2024	14:54	LB133457
	Arsenic	-1.10			-20	20	11/14/2024	14:54	LB133457
	Barium	3.24	6.0	54	-94	106	11/14/2024	14:54	LB133457
	Beryllium	1.25			-6	6	11/14/2024	14:54	LB133457
	Cadmium	6.64	1.0	664	-5	7	11/14/2024	14:54	LB133457
	Calcium	244000	245000	100	208000	282000	11/14/2024	14:54	LB133457
	Chromium	55.5	52.0	107	42	62	11/14/2024	14:54	LB133457
	Cobalt	2.07			-30	30	11/14/2024	14:54	LB133457
	Copper	-4.72	2.0	236	-18	22	11/14/2024	14:54	LB133457
	Iron	98700	101000	98	85600	116500	11/14/2024	14:54	LB133457
	Lead	8.61			-12	12	11/14/2024	14:54	LB133457
	Magnesium	271000	255000	106	216000	294000	11/14/2024	14:54	LB133457
	Manganese	5.69	7.0	81	-13	27	11/14/2024	14:54	LB133457
	Nickel	2.90	2.0	145	-38	42	11/14/2024	14:54	LB133457
	Potassium	24.4			0	0	11/14/2024	14:54	LB133457
	Selenium	-16.4			-20	20	11/14/2024	14:54	LB133457
	Silver	2.63			-10	10	11/14/2024	14:54	LB133457
	Sodium	34.7			0	0	11/14/2024	14:54	LB133457
	Thallium	12.7			-40	40	11/14/2024	14:54	LB133457
	Vanadium	6.61			-40	40	11/14/2024	14:54	LB133457
	Zinc	6.48			-40	40	11/14/2024	14:54	LB133457
ICSAB01	Aluminum	271000	247000	110	209000	285000	11/14/2024	15:18	LB133457
	Antimony	629	618	102	525	711	11/14/2024	15:18	LB133457
	Arsenic	117	104	112	88.4	120	11/14/2024	15:18	LB133457
	Barium	535	537	100	437	637	11/14/2024	15:18	LB133457
	Beryllium	521	495	105	420	570	11/14/2024	15:18	LB133457
	Cadmium	1020	972	105	826	1120	11/14/2024	15:18	LB133457
	Calcium	254000	235000	108	199000	271000	11/14/2024	15:18	LB133457
	Chromium	568	542	105	460	624	11/14/2024	15:18	LB133457
	Cobalt	516	476	108	404	548	11/14/2024	15:18	LB133457
	Copper	493	511	96	434	588	11/14/2024	15:18	LB133457
	Iron	103000	99300	104	84400	114500	11/14/2024	15:18	LB133457
	Lead	56.9	49.0	116	37	61	11/14/2024	15:18	LB133457
	Magnesium	279000	248000	112	210000	286000	11/14/2024	15:18	LB133457
	Manganese	515	507	102	430	584	11/14/2024	15:18	LB133457
	Nickel	1020	954	107	810	1100	11/14/2024	15:18	LB133457
	Potassium	-0.81			0	0	11/14/2024	15:18	LB133457
	Selenium	35.8	46.0	78	26	66	11/14/2024	15:18	LB133457
	Silver	206	201	102	170	232	11/14/2024	15:18	LB133457
	Sodium	-5.35			0	0	11/14/2024	15:18	LB133457
	Thallium	103	108	95	68	148	11/14/2024	15:18	LB133457

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INTERFERENCE CHECK SAMPLE

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	511	491	104	417	565	11/14/2024	15:18	LB133457
	Zinc	852	952	90	809	1095	11/14/2024	15:18	LB133457

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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	Arsenic	5.52			-20	20	11/08/2024	14:24	LB133365
	Barium	1.84	6.0	31	-94	106	11/08/2024	14:24	LB133365
	Cadmium	6.11	1.0	611	-5	7	11/08/2024	14:24	LB133365
	Chromium	54.3	52.0	104	42	62	11/08/2024	14:24	LB133365
	Lead	9.97			-12	12	11/08/2024	14:24	LB133365
	Selenium	-14.4			-20	20	11/08/2024	14:24	LB133365
	Silver	-0.087			-10	10	11/08/2024	14:24	LB133365
ICSAB01	Arsenic	115	104	111	88.4	120	11/08/2024	14:30	LB133365
	Barium	496	537	92	437	637	11/08/2024	14:30	LB133365
	Cadmium	979	972	101	826	1120	11/08/2024	14:30	LB133365
	Chromium	521	542	96	460	624	11/08/2024	14:30	LB133365
	Lead	57.3	49.0	117	37	61	11/08/2024	14:30	LB133365
	Selenium	31.2	46.0	68	26	66	11/08/2024	14:30	LB133365
	Silver	198	201	98	170	232	11/08/2024	14:30	LB133365
ICSA01	Arsenic	7.44			-20	20	11/19/2024	20:23	LB133525
	Barium	4.72	6.0	79	-94	106	11/19/2024	20:23	LB133525
	Cadmium	5.53	1.0	553	-5	7	11/19/2024	20:23	LB133525
	Chromium	59.7	52.0	115	42	62	11/19/2024	20:23	LB133525
	Lead	9.28			-12	12	11/19/2024	20:23	LB133525
	Selenium	-19.2			-20	20	11/19/2024	20:23	LB133525
	Silver	-0.77			-10	10	11/19/2024	20:23	LB133525
ICSAB01	Arsenic	115	104	111	88.4	120	11/19/2024	20:27	LB133525
	Barium	493	537	92	437	637	11/19/2024	20:27	LB133525
	Cadmium	1030	972	106	826	1120	11/19/2024	20:27	LB133525
	Chromium	583	542	108	460	624	11/19/2024	20:27	LB133525
	Lead	57.7	49.0	118	37	61	11/19/2024	20:27	LB133525
	Selenium	30.0	46.0	65	26	66	11/19/2024	20:27	LB133525
	Silver	202	201	100	170	232	11/19/2024	20:27	LB133525

METAL QC DATA

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MATRIX SPIKE SUMMARY

client: Walsh Construction Company II, LLC **level:** low **sdg no.:** P4722

contract: WALS01 **lab code:** CHEM **case no.:** P4722 **sas no.:** P4722

matrix: Water **sample id:** P4722-15 **client id:** WC-3(0-6)MS

Percent Solids for Sample: NA **Spiked ID:** P4722-15MS **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	983		29.5	J	1000	95		P
Antimony	ug/L	75 - 125	390		2.70	J	400	97		P
Arsenic	ug/L	75 - 125	396		10.0	U	400	99		P
Barium	ug/L	75 - 125	172		76.6		100	96		P
Beryllium	ug/L	75 - 125	93.8		3.00	U	100	94		P
Cadmium	ug/L	75 - 125	89.8		0.32	J	100	90		P
Calcium	ug/L	75 - 125	165000		167000		500	-452		P
Chromium	ug/L	75 - 125	188		1.28	J	200	94		P
Cobalt	ug/L	75 - 125	91.5		15.0	U	100	92		P
Copper	ug/L	75 - 125	149		10.4		150	92		P
Iron	ug/L	75 - 125	1510		96.2		1500	94		P
Lead	ug/L	75 - 125	451		12.8		500	88		P
Magnesium	ug/L	75 - 125	7610		6910		1000	70		P
Manganese	ug/L	75 - 125	116		21.7		100	94		P
Mercury	ug/L	75 - 125	4.03		0.20	U	4.0	101		CV
Nickel	ug/L	75 - 125	231		3.85	J	250	91		P
Potassium	ug/L	75 - 125	8110		3330		5000	96		P
Selenium	ug/L	75 - 125	927		10.0	U	1000	93		P
Silver	ug/L	75 - 125	35.7		5.00	U	37.5	95		P
Sodium	ug/L	75 - 125	20300		19600		1500	47		P
Thallium	ug/L	75 - 125	869		20.0	U	1000	87		P
Vanadium	ug/L	75 - 125	145		20.0	U	150	97		P
Zinc	ug/L	75 - 125	152		55.1		100	96		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Walsh Construction Company II, LLC **level:** low **sdg no.:** P4722

contract: WALS01 **lab code:** CHEM **case no.:** P4722 **sas no.:** P4722

matrix: Water **sample id:** P4722-15 **client id:** WC-3(0-6)MSD

Percent Solids for Sample: NA **Spiked ID:** P4722-15MSD **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	1010		29.5	J	1000	99		P
Antimony	ug/L	75 - 125	405		2.70	J	400	101		P
Arsenic	ug/L	75 - 125	414		10.0	U	400	104		P
Barium	ug/L	75 - 125	176		76.6		100	99		P
Beryllium	ug/L	75 - 125	96.0		3.00	U	100	96		P
Cadmium	ug/L	75 - 125	93.5		0.32	J	100	93		P
Calcium	ug/L	75 - 125	167000		167000		500	16		P
Chromium	ug/L	75 - 125	195		1.28	J	200	97		P
Cobalt	ug/L	75 - 125	94.9		15.0	U	100	95		P
Copper	ug/L	75 - 125	155		10.4		150	97		P
Iron	ug/L	75 - 125	1580		96.2		1500	99		P
Lead	ug/L	75 - 125	468		12.8		500	91		P
Magnesium	ug/L	75 - 125	7740		6910		1000	83		P
Manganese	ug/L	75 - 125	119		21.7		100	98		P
Mercury	ug/L	75 - 125	4.41		0.20	U	4.0	110		CV
Nickel	ug/L	75 - 125	240		3.85	J	250	94		P
Potassium	ug/L	75 - 125	8410		3330		5000	102		P
Selenium	ug/L	75 - 125	982		10.0	U	1000	98		P
Silver	ug/L	75 - 125	37.1		5.00	U	37.5	99		P
Sodium	ug/L	75 - 125	20900		19600		1500	88		P
Thallium	ug/L	75 - 125	925		20.0	U	1000	92		P
Vanadium	ug/L	75 - 125	150		20.0	U	150	100		P
Zinc	ug/L	75 - 125	157		55.1		100	102		P

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MATRIX SPIKE SUMMARY

client: Walsh Construction Company II, LLC **level:** low **sdg no.:** P4722

contract: WALS01 **lab code:** CHEM **case no.:** P4722 **sas no.:** P4722

matrix: Water **sample id:** P4718-03 **client id:** WB-307-SB02MS

Percent Solids for Sample: NA **Spiked ID:** P4718-03MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4010		100	U	4000	100		P
Barium	ug/L	75 - 125	2780		1850		1000	94		P
Cadmium	ug/L	75 - 125	1120		30.0	U	1000	112		P
Chromium	ug/L	75 - 125	2340		16.1	J	2000	116		P
Lead	ug/L	75 - 125	5130		60.0	U	5000	103		P
Mercury	ug/L	75 - 125	33.6		2.00	U	40.0	84		CV
Selenium	ug/L	75 - 125	9590		100	U	10000	96		P
Silver	ug/L	75 - 125	362		50.0	U	380	95		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Walsh Construction Company II, LLC **level:** low **sdg no.:** P4722

contract: WALS01 **lab code:** CHEM **case no.:** P4722 **sas no.:** P4722

matrix: Water **sample id:** P4718-03 **client id:** WB-307-SB02MSD

Percent Solids for Sample: NA **Spiked ID:** P4718-03MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	3850		100	U	4000	96		P
Barium	ug/L	75 - 125	2560		1850		1000	72	N	P
Cadmium	ug/L	75 - 125	1080		30.0	U	1000	108		P
Chromium	ug/L	75 - 125	2270		16.1	J	2000	113		P
Lead	ug/L	75 - 125	4900		60.0	U	5000	98		P
Mercury	ug/L	75 - 125	40.7		2.00	U	40.0	102		CV
Selenium	ug/L	75 - 125	9210		100	U	10000	92		P
Silver	ug/L	75 - 125	343		50.0	U	380	90		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Matrix: Water **Level:** LOW **Client ID:** WB-307-SB02A

Sample ID: P4718-03 **Spiked ID:** P4718-03A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	ug/L	75 - 125	2690		1850		1000	84		P

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DUPLICATE SAMPLE SUMMARY

Client: Walsh Construction Company II, LLC **Level:** LOW **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Matrix: Water **Sample ID:** P4722-15 **Client ID:** WC-3(0-6)DUP

Percent Solids for Sample: NA **Duplicate ID** P4722-15DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	29.5	J	29.1	J	1		P
Antimony	ug/L	20	2.70	J	3.27	J	19		P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	76.6		76.6		0		P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	0.32	J	0.36	J	14		P
Calcium	ug/L	20	167000		167000		0		P
Chromium	ug/L	20	1.28	J	1.41	J	10		P
Cobalt	ug/L	20	15.0	U	15.0	U			P
Copper	ug/L	20	10.4		10.6		2		P
Iron	ug/L	20	96.2		95.2		1		P
Lead	ug/L	20	12.8		13.3		4		P
Magnesium	ug/L	20	6910		6840		1		P
Manganese	ug/L	20	21.7		21.7		0		P
Mercury	ug/L	20	0.20	U	0.20	U			CV
Nickel	ug/L	20	3.85	J	3.81	J	1		P
Potassium	ug/L	20	3330		3310		1		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	19600		19500		1		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	55.1		54.2		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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DUPLICATE SAMPLE SUMMARY

Client: Walsh Construction Company II, LLC **Level:** LOW **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Matrix: Water **Sample ID:** P4722-15MS **Client ID:** WC-3(0-6)MSD

Percent Solids for Sample: NA **Duplicate ID** P4722-15MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	983		1010		3		P
Antimony	ug/L	20	390		405		4		P
Arsenic	ug/L	20	396		414		4		P
Barium	ug/L	20	172		176		2		P
Beryllium	ug/L	20	93.8		96.0		2		P
Cadmium	ug/L	20	89.8		93.5		4		P
Calcium	ug/L	20	165000		167000		1		P
Chromium	ug/L	20	188		195		4		P
Cobalt	ug/L	20	91.5		94.9		4		P
Copper	ug/L	20	149		155		4		P
Iron	ug/L	20	1510		1580		5		P
Lead	ug/L	20	451		468		4		P
Magnesium	ug/L	20	7610		7740		2		P
Manganese	ug/L	20	116		119		3		P
Mercury	ug/L	20	4.03		4.41		9		CV
Nickel	ug/L	20	231		240		4		P
Potassium	ug/L	20	8110		8410		4		P
Selenium	ug/L	20	927		982		6		P
Silver	ug/L	20	35.7		37.1		4		P
Sodium	ug/L	20	20300		20900		3		P
Thallium	ug/L	20	869		925		6		P
Vanadium	ug/L	20	145		150		3		P
Zinc	ug/L	20	152		157		3		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: Walsh Construction Company II, LLC **Level:** LOW **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Matrix: Water **Sample ID:** P4718-03 **Client ID:** WB-307-SB02DUP

Percent Solids for Sample: NA **Duplicate ID** P4718-03DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	1850		1790		3		P
Cadmium	ug/L	20	30.0	U	30.0	U			P
Chromium	ug/L	20	16.1	J	14.3	J	12		P
Lead	ug/L	20	60.0	U	60.0	U			P
Mercury	ug/L	20	2.00	U	2.00	U			CV
Selenium	ug/L	20	100	U	100	U			P
Silver	ug/L	20	50.0	U	50.0	U			P

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

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DUPLICATE SAMPLE SUMMARY

Client: Walsh Construction Company II, LLC **Level:** LOW **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Matrix: Water **Sample ID:** P4718-03MS **Client ID:** WB-307-SB02MSD

Percent Solids for Sample: NA **Duplicate ID** P4718-03MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	4010		3850		4		P
Barium	ug/L	20	2780		2560		8		P
Cadmium	ug/L	20	1120		1080		4		P
Chromium	ug/L	20	2340		2270		3		P
Lead	ug/L	20	5130		4900		5		P
Mercury	ug/L	20	33.6		40.7		19		CV
Selenium	ug/L	20	9590		9210		4		P
Silver	ug/L	20	362		343		5		P

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

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164869BS							
Aluminum	ug/L	1000	958		96	80 - 120	P
Antimony	ug/L	400	369		92	80 - 120	P
Arsenic	ug/L	400	375		94	80 - 120	P
Barium	ug/L	100	94.6		95	80 - 120	P
Beryllium	ug/L	100	97.0		97	80 - 120	P
Cadmium	ug/L	100	90.2		90	80 - 120	P
Calcium	ug/L	500	496	J	99	80 - 120	P
Chromium	ug/L	200	190		95	80 - 120	P
Cobalt	ug/L	100	91.9		92	80 - 120	P
Copper	ug/L	150	147		98	80 - 120	P
Iron	ug/L	1500	1390		93	80 - 120	P
Lead	ug/L	500	460		92	80 - 120	P
Magnesium	ug/L	1000	944	J	94	80 - 120	P
Manganese	ug/L	100	96.7		97	80 - 120	P
Nickel	ug/L	250	231		92	80 - 120	P
Potassium	ug/L	5000	4530		91	80 - 120	P
Selenium	ug/L	1000	923		92	80 - 120	P
Silver	ug/L	37.5	35.0		93	80 - 120	P
Sodium	ug/L	1500	1240		83	80 - 120	P
Thallium	ug/L	1000	936		94	80 - 120	P
Vanadium	ug/L	150	144		96	80 - 120	P
Zinc	ug/L	100	99.0		99	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164892BS							
Mercury	ug/L	4.0	4.21		105	80 - 120	CV

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164768BS							
Arsenic	ug/L	4000	3890		97	80 - 120	P
Barium	ug/L	1000	956		96	80 - 120	P
Cadmium	ug/L	1000	901		90	80 - 120	P
Chromium	ug/L	2000	1800		90	80 - 120	P
Lead	ug/L	5000	4650		93	80 - 120	P
Selenium	ug/L	10000	9760		98	80 - 120	P
Silver	ug/L	380	363		96	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164791BS							
Mercury	ug/L	4.0	4.19		105	80 - 120	CV

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ICP SERIAL DILUTIONS

SAMPLE NO.

WC-3(0-6)L

Lab Name: Chemtech Consulting Group **Contract:** WALS01

Lab Code: CHEM **Lb No.:** lb133457 **Lab Sample ID :** P4722-15L **SDG No.:** P4722

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	29.5	J	250	U	100.0		P
Antimony	2.70	J	125	U	100.0		P
Arsenic	10.0	U	50.0	U			P
Barium	76.6		79.1	J	3		P
Beryllium	3.00	U	15.0	U			P
Cadmium	0.32	J	15.0	U	100.0		P
Calcium	167000		177000		6		P
Chromium	1.28	J	25.0	U	100.0		P
Cobalt	15.0	U	75.0	U			P
Copper	10.4		50.0	U	100.0		P
Iron	96.2		109	J	13		P
Lead	12.8		30.0	U	100.0		P
Magnesium	6910		7300		6		P
Manganese	21.7		23.5	J	8		P
Mercury	0.20	U	1.00	U			CV
Nickel	3.85	J	4.77	J	24		P
Potassium	3330		5000	U	100.0		P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	19600		17400		11		P
Thallium	20.0	U	100	U			P
Vanadium	20.0	U	100	U			P
Zinc	55.1		55.5	J	1		P

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ICP SERIAL DILUTIONS

SAMPLE NO.

WB-307-SB02L

Lab Name: Chemtech Consulting Group **Contract:** WALS01

Lab Code: CHEM **Lb No.:** lb133525 **Lab Sample ID :** P4718-03L **SDG No.:** P4722

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
Arsenic	100	U	500	U			P
Barium	1850		2020	J	9		P
Cadmium	30.0	U	150	U			P
Chromium	16.1	J	250	U	100.0		P
Lead	60.0	U	300	U			P
Mercury	2.00	U	10.0	U			CV
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P

METAL PREPARATION & INSTRUMENT DATA

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ICP INTERELEMENT CORRECTION FACTORS

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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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ICP INTERELEMENT CORRECTION FACTORS

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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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ICP INTERELEMENT CORRECTION FACTORS

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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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ICP INTERELEMENT CORRECTION FACTORS

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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

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ICP INTERELEMENT CORRECTION FACTORS

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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
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
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	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

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ICP INTERELEMENT CORRECTION FACTORS

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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
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
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0003170	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

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ICP INTERELEMENT CORRECTION FACTORS

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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
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
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
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

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ICP INTERELEMENT CORRECTION FACTORS

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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
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
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
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

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ICP INTERELEMENT CORRECTION FACTORS

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Case No.:** P4722 **SAS No.:** P4722

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
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
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Lead	220.353	0.0000000	-0.0003610	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

METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Method:**

Case No.: P4722 **SAS No.:** P4722

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB164869**						
P4722-05	WC-1(0-6)	SAM	WATER	11/11/2024	50.0	25.0	
P4722-10	WC-2(0-6)	SAM	WATER	11/11/2024	50.0	25.0	
P4722-15	WC-3(0-6)	SAM	WATER	11/11/2024	50.0	25.0	
P4722-15DUP	WC-3(0-6)DUP	DUP	WATER	11/11/2024	50.0	25.0	
P4722-15MS	WC-3(0-6)MS	MS	WATER	11/11/2024	50.0	25.0	
P4722-15MSD	WC-3(0-6)MSD	MSD	WATER	11/11/2024	50.0	25.0	
PB164869BL	PB164869BL	MB	WATER	11/11/2024	50.0	25.0	
PB164869BS	PB164869BS	LCS	WATER	11/11/2024	50.0	25.0	
PB164869TB	PB164869TB	MB	WATER	11/11/2024	50.0	25.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Method:**

Case No.: P4722 **SAS No.:** P4722

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB164892**						
P4722-05	WC-1(0-6)	SAM	WATER	11/11/2024	30.0	30.0	
P4722-10	WC-2(0-6)	SAM	WATER	11/11/2024	30.0	30.0	
P4722-15	WC-3(0-6)	SAM	WATER	11/11/2024	30.0	30.0	
P4722-15DUP	WC-3(0-6)DUP	DUP	WATER	11/11/2024	30.0	30.0	
P4722-15MS	WC-3(0-6)MS	MS	WATER	11/11/2024	30.0	30.0	
P4722-15MSD	WC-3(0-6)MSD	MSD	WATER	11/11/2024	30.0	30.0	
PB164892BL	PB164892BL	MB	WATER	11/11/2024	30.0	30.0	
PB164892BS	PB164892BS	LCS	WATER	11/11/2024	30.0	30.0	
PB164892TB	PB164892TB	MB	WATER	11/11/2024	30.0	30.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Method:**

Case No.: P4722 **SAS No.:** P4722

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB164768**						
P4718-03DUP	WB-307-SB02DUP	DUP	WATER	11/07/2024	5.0	25.0	
P4718-03MS	WB-307-SB02MS	MS	WATER	11/07/2024	5.0	25.0	
P4718-03MSD	WB-307-SB02MSD	MSD	WATER	11/07/2024	5.0	25.0	
P4722-04	WC-1(0-6)	SAM	WATER	11/07/2024	5.0	25.0	
P4722-09	WC-2(0-6)	SAM	WATER	11/07/2024	5.0	25.0	
P4722-14	WC-3(0-6)	SAM	WATER	11/07/2024	5.0	25.0	
PB164694TB	PB164694TB	MB	WATER	11/07/2024	5.0	25.0	
PB164768BL	PB164768BL	MB	WATER	11/07/2024	5.0	25.0	
PB164768BS	PB164768BS	LCS	WATER	11/07/2024	5.0	25.0	

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SAMPLE PREPARATION SUMMARY

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Contract: WALS01 **Lab Code:** CHEM **Method:**

Case No.: P4722 **SAS No.:** P4722

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB164791**						
P4718-03DUP	WB-307-SB02DUP	DUP	WATER	11/07/2024	3.0	30.0	
P4718-03MS	WB-307-SB02MS	MS	WATER	11/07/2024	3.0	30.0	
P4718-03MSD	WB-307-SB02MSD	MSD	WATER	11/07/2024	3.0	30.0	
P4722-04	WC-1(0-6)	SAM	WATER	11/07/2024	3.0	30.0	
P4722-09	WC-2(0-6)	SAM	WATER	11/07/2024	3.0	30.0	
P4722-14	WC-3(0-6)	SAM	WATER	11/07/2024	3.0	30.0	
PB164694TB	PB164694TB	MB	WATER	11/07/2024	3.0	30.0	
PB164791BL	PB164791BL	MB	WATER	11/07/2024	30.0	30.0	
PB164791BS	PB164791BS	LCS	WATER	11/07/2024	30.0	30.0	

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ANALYSIS RUN LOG

Client: Walsh Construction Company II, LLC **Contract:** WALS01

Lab code: CHEM **Case no.:** P4722 **Sas no.:** P4722 **Sdg no.:** P4722

Instrument id number: **Method:** **Run number:** LB133407

Start date: 11/12/2024 **End date:** 11/12/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1403	HG
S0.2	S0.2	1	1405	HG
S2.5	S2.5	1	1408	HG
S5	S5	1	1410	HG
S7.5	S7.5	1	1412	HG
S10	S10	1	1415	HG
ICV83	ICV83	1	1417	HG
ICB83	ICB83	1	1422	HG
CCV75	CCV75	1	1427	HG
CCB75	CCB75	1	1429	HG
CRA	CRA	1	1439	HG
PB164892BL	PB164892BL	1	1449	HG
PB164892BS	PB164892BS	1	1451	HG
P4722-05	WC-1(0-6)	1	1453	HG
P4722-10	WC-2(0-6)	1	1456	HG
P4722-15	WC-3(0-6)	1	1458	HG
P4722-15DUP	WC-3(0-6)DUP	1	1500	HG
P4722-15MS	WC-3(0-6)MS	1	1503	HG
CCV76	CCV76	1	1505	HG
CCB76	CCB76	1	1507	HG
P4722-15MSD	WC-3(0-6)MSD	1	1509	HG
CCV77	CCV77	1	1532	HG
CCB77	CCB77	1	1537	HG
CCV78	CCV78	1	1559	HG
CCB78	CCB78	1	1601	HG
PB164892TB	PB164892TB	1	1606	HG
P4722-15L	WC-3(0-6)L	5	1610	HG
CCV79	CCV79	1	1625	HG
CCB79	CCB79	1	1627	HG

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ANALYSIS RUN LOG

Client: Walsh Construction Company II, LLC **Contract:** WALS01

Lab code: CHEM **Case no.:** P4722 **Sas no.:** P4722 **Sdg no.:** P4722

Instrument id number: **Method:** **Run number:** LB133457

Start date: 11/14/2024 **End date:** 11/14/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1333	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	1337	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	1342	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	1346	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	1350	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	1354	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	1358	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	1410	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	1436	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	1440	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	1454	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	1518	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	1522	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	1527	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	1535	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	1540	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB164869TB	PB164869TB	1	1601	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB164869BL	PB164869BL	1	1605	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB164869BS	PB164869BS	1	1609	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	1627	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	1631	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	1723	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	1727	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	1812	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	1817	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4722-05	WC-1(0-6)	1	1858	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	1903	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	1907	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4722-10	WC-2(0-6)	1	1911	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4722-15	WC-3(0-6)	1	1916	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4722-15DUP	WC-3(0-6)DUP	1	1920	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4722-15L	WC-3(0-6)L	5	1925	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4722-15MS	WC-3(0-6)MS	1	1929	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4722-15MSD	WC-3(0-6)MSD	1	1933	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	1955	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	1959	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	2047	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	2142	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	2204	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	2208	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	2258	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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ANALYSIS RUN LOG

Client: Walsh Construction Company II, LLC **Contract:** WALS01

Lab code: CHEM **Case no.:** P4722 **Sas no.:** P4722 **Sdg no.:** P4722

Instrument id number: **Method:** **Run number:** LB133457

Start date: 11/14/2024 **End date:** 11/14/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCB10	CCB10	1	2303	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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ANALYSIS RUN LOG

Client: Walsh Construction Company II, LLC **Contract:** WALS01

Lab code: CHEM **Case no.:** P4722 **Sas no.:** P4722 **Sdg no.:** P4722

Instrument id number: **Method:** **Run number:** LB133352

Start date: 11/08/2024 **End date:** 11/08/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1004	HG
S0.2	S0.2	1	1007	HG
S2.5	S2.5	1	1009	HG
S5	S5	1	1011	HG
S7.5	S7.5	1	1013	HG
S10	S10	1	1016	HG
ICV75	ICV75	1	1019	HG
ICB75	ICB75	1	1021	HG
CCV51	CCV51	1	1023	HG
CCB51	CCB51	1	1025	HG
CRA	CRA	1	1028	HG
PB164791BL	PB164791BL	1	1038	HG
PB164791BS	PB164791BS	1	1040	HG
P4718-03DUP	WB-307-SB02DUP	1	1044	HG
P4718-03MS	WB-307-SB02MS	1	1047	HG
P4718-03MSD	WB-307-SB02MSD	1	1049	HG
CCV52	CCV52	1	1053	HG
CCB52	CCB52	1	1056	HG
P4722-04	WC-1(0-6)	1	1100	HG
P4722-09	WC-2(0-6)	1	1103	HG
P4722-14	WC-3(0-6)	1	1105	HG
CCV53	CCV53	1	1121	HG
CCB53	CCB53	1	1123	HG
PB164694TB	PB164694TB	1	1125	HG
P4718-03L	WB-307-SB02L	5	1128	HG
CCV54	CCV54	1	1132	HG
CCB54	CCB54	1	1134	HG

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ANALYSIS RUN LOG

Client: Walsh Construction Company II, LLC **Contract:** WALS01

Lab code: CHEM **Case no.:** P4722 **Sas no.:** P4722 **Sdg no.:** P4722

Instrument id number: **Method:** **Run number:** LB133365

Start date: 11/08/2024 **End date:** 11/08/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1334	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1338	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1343	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1347	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1351	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1355	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1359	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1411	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1416	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1420	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1424	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1430	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1444	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1450	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1529	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1533	Ag,As,Ba,Cd,Cr,Pb,Se
P4722-04	WC-1(0-6)	1	1606	Ag,As,Ba,Cd,Cr,Pb,Se
P4722-09	WC-2(0-6)	1	1610	Ag,As,Ba,Cd,Cr,Pb,Se
P4722-14	WC-3(0-6)	1	1615	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1623	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1628	Ag,As,Ba,Cd,Cr,Pb,Se
PB164694TB	PB164694TB	1	1654	Ag,As,Ba,Cd,Cr,Pb,Se
PB164768BL	PB164768BL	1	1659	Ag,As,Ba,Cd,Cr,Pb,Se
PB164768BS	PB164768BS	1	1703	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1716	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1722	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1804	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1808	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	1855	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	1859	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	1947	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	1951	Ag,As,Ba,Cd,Cr,Pb,Se
CCV08	CCV08	1	2048	Ag,As,Ba,Cd,Cr,Pb,Se
CCB08	CCB08	1	2057	Ag,As,Ba,Cd,Cr,Pb,Se
CCV09	CCV09	1	2150	Ag,As,Ba,Cd,Cr,Pb,Se
CCB09	CCB09	1	2155	Ag,As,Ba,Cd,Cr,Pb,Se
CCV10	CCV10	1	2324	Ag,As,Ba,Cd,Cr,Pb,Se
CCB10	CCB10	1	2335	Ag,As,Ba,Cd,Cr,Pb,Se

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metals
- 14 -
ANALYSIS RUN LOG

Client: Walsh Construction Company II, LLC **Contract:** WALS01

Lab code: CHEM **Case no.:** P4722 **Sas no.:** P4722 **Sdg no.:** P4722

Instrument id number: **Method:** **Run number:** LB133525

Start date: 11/19/2024 **End date:** 11/19/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1940	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1945	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1949	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1953	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1958	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	2002	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	2006	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	2010	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	2014	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	2019	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	2023	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	2027	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	2038	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	2047	Ag,As,Ba,Cd,Cr,Pb,Se
P4718-03DUP	WB-307-SB02DUP	1	2056	Ag,As,Ba,Cd,Cr,Pb,Se
P4718-03L	WB-307-SB02L	5	2101	Ag,As,Ba,Cd,Cr,Pb,Se
P4718-03MS	WB-307-SB02MS	1	2105	Ag,As,Ba,Cd,Cr,Pb,Se
P4718-03MSD	WB-307-SB02MSD	1	2114	Ag,As,Ba,Cd,Cr,Pb,Se
P4718-03A	WB-307-SB02A	1	2118	Ba
CCV02	CCV02	1	2136	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	2142	Ag,As,Ba,Cd,Cr,Pb,Se

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LAB CHRONICLE

OrderID:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-03	**WC-1(0-6)**	**SOIL**			**11/05/24 12:40**			**11/05/24**
			Ammonia	SM4500-NH3		11/07/24	11/08/24 13:17	
			COD	SM5220 D			11/11/24 14:02	
			Cyanide	9012B		11/07/24	11/07/24 13:44	
			Hexavalent Chromium	7196A		11/08/24	11/08/24 11:54	
			Oil and Grease	9071B			11/08/24 09:30	
			Paint Filter	9095B			11/06/24 11:22	
			Trivalent Chromium	6010D			11/07/24 21:29	
			TS	SM2540 B			11/06/24 11:00	
			TVS	160.4			11/06/24 15:45	
P4722-04	**WC-1(0-6)**	**SOIL**			**11/05/24 12:40**			**11/05/24**
			Corrosivity	9045D			11/06/24 16:47	
			Ignitability	1030			11/07/24 12:37	
			Reactive Cyanide	9012B		11/06/24	11/06/24 15:34	
			Reactive Sulfide	9034		11/06/24	11/06/24 17:15	

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LAB CHRONICLE

P4722-08	**WC-2(0-6)**	**SOIL**			**11/05/24 10:45**		**11/05/24**
			Ammonia	SM4500-NH3	11/07/24	11/08/24 13:17	
			COD	SM5220 D		11/11/24 14:02	
			Cyanide	9012B	11/07/24	11/07/24 14:19	
			Hexavalent Chromium	7196A	11/08/24	11/08/24 11:55	
			Oil and Grease	9071B		11/08/24 09:30	
			Paint Filter	9095B		11/06/24 11:30	
			Trivalent Chromium	6010D		11/07/24 21:33	
			TS	SM2540 B		11/06/24 11:00	
			TVS	160.4		11/06/24 15:45	
P4722-09	**WC-2(0-6)**	**SOIL**			**11/05/24 10:45**		**11/05/24**
			Corrosivity	9045D		11/06/24 16:50	
			Ignitability	1030		11/07/24 12:45	
			Reactive Cyanide	9012B	11/06/24	11/06/24 15:40	
			Reactive Sulfide	9034	11/06/24	11/06/24 17:18	
P4722-13	**WC-3(0-6)**	**SOIL**			**11/05/24 09:10**		**11/05/24**
			Ammonia	SM4500-NH3	11/07/24	11/08/24 14:24	
			COD	SM5220 D		11/11/24 14:04	
			Cyanide	9012B	11/07/24	11/07/24 14:19	

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LAB CHRONICLE

			Hexavalent Chromium	7196A		11/08/24	11/08/24 11:56
			Oil and Grease	9071B			11/08/24 09:30
			Paint Filter	9095B			11/06/24 11:38
			Trivalent Chromium	6010D			11/07/24 21:38
			TS	SM2540 B			11/06/24 11:00
			TVS	160.4			11/06/24 15:45
P4722-14	**WC-3(0-6)**	**SOIL**			**11/05/24 09:10**		**11/05/24**
			Corrosivity	9045D			11/06/24 16:52
			Ignitability	1030			11/07/24 12:52
			Reactive Cyanide	9012B		11/06/24	11/06/24 15:40
			Reactive Sulfide	9034		11/06/24	11/06/24 17:20

SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24 12:40
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-03	Matrix:	SOIL
		% Solid:	93.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	7.10		1	0.92	5.10	mg/Kg	11/07/24 14:30	11/08/24 13:17	SM 4500-NH3 B plus G-11
COD	13900	D	5	290	2610	mg/Kg		11/11/24 14:02	SM 5220 D-11
Cyanide	0.046	U	1	0.046	0.26	mg/Kg	11/07/24 08:30	11/07/24 13:44	9012B
Hexavalent Chromium	0.084	U	1	0.084	0.43	mg/Kg	11/08/24 08:50	11/08/24 11:54	7196A
Oil and Grease	1050		1	3.46	26.6	mg/Kg		11/08/24 09:30	SW9071B
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		11/06/24 11:22	9095B
Trivalent Chromium	65.5		1	0.53	0.53	mg/Kg		11/07/24 21:29	6010D
TS	91.0		1	1.00	5.00	%		11/06/24 11:00	SM 2540 B-15
TVS	10.8		1	1.00	10.0	%		11/06/24 15:45	160.4

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:	Walsh Construction Company II, LLC	Date Collected:	11/05/24 12:40
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-04	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	9.34	H	1	0	0	pH		11/06/24 16:47	9045D
Ignitability	NO		1	0	0	oC		11/07/24 12:37	1030
Reactive Cyanide	0.011	J	1	0.0087	0.050	mg/Kg	11/06/24 12:50	11/06/24 15:34	9012B
Reactive Sulfide	3.18	J	1	0.19	10.0	mg/Kg	11/06/24 14:30	11/06/24 17:15	9034

Comments: pH result reported at temperature 24.7 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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H = Sample Analysis Out Of Hold Time
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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24 10:45
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-08	Matrix:	SOIL
		% Solid:	90.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	0.97	U	1	0.97	5.40	mg/Kg	11/07/24 14:30	11/08/24 13:17	SM 4500-NH3 B plus G-11
COD	1030		1	59.7	539	mg/Kg		11/11/24 14:02	SM 5220 D-11
Cyanide	0.058	J	1	0.047	0.26	mg/Kg	11/07/24 08:30	11/07/24 14:19	9012B
Hexavalent Chromium	0.086	U	1	0.086	0.44	mg/Kg	11/08/24 08:50	11/08/24 11:55	7196A
Oil and Grease	18300		1	3.60	27.7	mg/Kg		11/08/24 09:30	SW9071B
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		11/06/24 11:30	9095B
Trivalent Chromium	79.3		1	0.56	0.56	mg/Kg		11/07/24 21:33	6010D
TS	87.6		1	1.00	5.00	%		11/06/24 11:00	SM 2540 B-15
TVS	9.40	J	1	1.00	10.0	%		11/06/24 15:45	160.4

Comments:

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LOQ = Limit of Quantitation
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LOD = Limit of Detection
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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24 10:45
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-09	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	9.07	H	1	0	0	pH		11/06/24 16:50	9045D
Ignitability	NO		1	0	0	oC		11/07/24 12:45	1030
Reactive Cyanide	0.013	J	1	0.0088	0.050	mg/Kg	11/06/24 12:50	11/06/24 15:40	9012B
Reactive Sulfide	4.75	J	1	0.19	10.0	mg/Kg	11/06/24 14:30	11/06/24 17:18	9034

Comments: pH result reported at temperature 24.7 °C

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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
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E = Indicates the reported value is estimated because of the presence of interference.
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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24 09:10
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-13	Matrix:	SOIL
		% Solid:	86.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.20	J	1	1.00	5.60	mg/Kg	11/07/24 14:30	11/08/24 14:24	SM 4500-NH3 B plus G-11
COD	6650		1	62.1	561	mg/Kg		11/11/24 14:04	SM 5220 D-11
Cyanide	0.20	J	1	0.050	0.29	mg/Kg	11/07/24 08:30	11/07/24 14:19	9012B
Hexavalent Chromium	0.090	U	1	0.090	0.46	mg/Kg	11/08/24 08:50	11/08/24 11:56	7196A
Oil and Grease	2610		1	3.75	28.8	mg/Kg		11/08/24 09:30	SW9071B
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		11/06/24 11:38	9095B
Trivalent Chromium	18.2		1	0.58	0.58	mg/Kg		11/07/24 21:38	6010D
TS	88.0		1	1.00	5.00	%		11/06/24 11:00	SM 2540 B-15
TVS	10.4		1	1.00	10.0	%		11/06/24 15:45	160.4

Comments:

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LOQ = Limit of Quantitation
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LOD = Limit of Detection
D = Dilution
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H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24 09:10
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-14	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.70	H	1	0	0	pH		11/06/24 16:52	9045D
Ignitability	NO		1	0	0	oC		11/07/24 12:52	1030
Reactive Cyanide	0.012	J	1	0.0088	0.050	mg/Kg	11/06/24 12:50	11/06/24 15:40	9012B
Reactive Sulfide	1.59	J	1	0.19	10.0	mg/Kg	11/06/24 14:30	11/06/24 17:20	9034

Comments: pH result reported at temperature 24.6 °C

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
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QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client:	Walsh Construction Company II, LLC	**SDG No.:**	P4722
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	**RunNo.:**	LB133321

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Reactive Cyanide	mg/L	0.096	0.099	97	85-115	11/06/2024
Sample ID: CCV1						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	11/06/2024
Sample ID: CCV2						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	11/06/2024
Sample ID: CCV3						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	11/06/2024

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Initial and Continuing Calibration Verification

Client:	Walsh Construction Company II, LLC	**SDG No.:**	P4722
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	**RunNo.:**	LB133322

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
Corrosivity		pH	7.02	7	100	90-110	11/06/2024
Sample ID:	**CCV1**						
Corrosivity		pH	2.01	2.00	101	90-110	11/06/2024
Sample ID:	**CCV2**						
Corrosivity		pH	12.02	12.00	100	90-110	11/06/2024
Sample ID:	**CCV3**						
Corrosivity		pH	2.01	2.00	101	90-110	11/06/2024

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Initial and Continuing Calibration Verification

Client:	Walsh Construction Company II, LLC	**SDG No.:**	P4722
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	**RunNo.:**	LB133336

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
Cyanide		mg/L	0.096	0.099	97	90-110	11/07/2024
Sample ID:	**CCV1**						
Cyanide		mg/L	0.25	0.25	100	90-110	11/07/2024
Sample ID:	**CCV2**						
Cyanide		mg/L	0.25	0.25	100	90-110	11/07/2024

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Initial and Continuing Calibration Verification

Client:	Walsh Construction Company II, LLC	**SDG No.:**	P4722
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	**RunNo.:**	LB133351

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.500	0.5	100	90-110	11/08/2024
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.501	0.5	100	90-110	11/08/2024
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.500	0.5	100	90-110	11/08/2024
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.504	0.5	101	90-110	11/08/2024

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Initial and Continuing Calibration Verification

Client:	Walsh Construction Company II, LLC	**SDG No.:**	P4722
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	**RunNo.:**	LB133358

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
Ammonia as N		mg/L	0.99	1	99	90-110	11/08/2024
Sample ID:	**CCV1**						
Ammonia as N		mg/L	1	1	100	90-110	11/08/2024
Sample ID:	**CCV2**						
Ammonia as N		mg/L	0.97	1	97	90-110	11/08/2024
Sample ID:	**CCV3**						
Ammonia as N		mg/L	1	1	100	90-110	11/08/2024
Sample ID:	**CCV4**						
Ammonia as N		mg/L	1	1	100	90-110	11/08/2024
Sample ID:	**CCV5**						
Ammonia as N		mg/L	0.96	1	96	90-110	11/08/2024

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Initial and Continuing Calibration Verification

Client:	Walsh Construction Company II, LLC	**SDG No.:**	P4722
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	**RunNo.:**	LB133394

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
COD		mg/L	51.341	50	103	95-105	10/14/2024
Sample ID:	**CCV1**						
COD		mg/L	50.336	50	101	95-105	11/11/2024
Sample ID:	**CCV2**						
COD		mg/L	50.336	50	101	95-105	11/11/2024

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Initial and Continuing Calibration Blank Summary

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2 **RunNo.:** LB133321

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Reactive Cyanide	mg/L	0.0013	0.0025	J	0.00099	0.005	11/06/2024
Sample ID: CCB1							
Reactive Cyanide	mg/L	0.0016	0.0025	J	0.00099	0.005	11/06/2024
Sample ID: CCB2							
Reactive Cyanide	mg/L	0.0013	0.0025	J	0.00099	0.005	11/06/2024
Sample ID: CCB3							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/06/2024

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Initial and Continuing Calibration Blank Summary

Client:	Walsh Construction Company II, LLC	**SDG No.:**	P4722
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	**RunNo.:**	LB133336

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/07/2024
Sample ID:	CCB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/07/2024
Sample ID:	CCB2							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/07/2024

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Fax : 908 789 8922

Initial and Continuing Calibration Blank Summary

Client:	Walsh Construction Company II, LLC	**SDG No.:**	P4722
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	**RunNo.:**	LB133351

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	11/08/2024
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	11/08/2024
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	11/08/2024
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	11/08/2024

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Initial and Continuing Calibration Blank Summary

Client:	Walsh Construction Company II, LLC	**SDG No.:**	P4722
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	**RunNo.:**	LB133358

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/08/2024
Sample ID: CCB1							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/08/2024
Sample ID: CCB2							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/08/2024
Sample ID: CCB3							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/08/2024
Sample ID: CCB4							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/08/2024
Sample ID: CCB5							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/08/2024

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Initial and Continuing Calibration Blank Summary

Client:	Walsh Construction Company II, LLC	**SDG No.:**	P4722
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	**RunNo.:**	LB133394

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	**ICB**							
COD		mg/L	< 5.0000	5.0000	U	2.35	10	10/14/2024
Sample ID:	**CCB1**							
COD		mg/L	< 5.0000	5.0000	U	2.35	10	11/11/2024
Sample ID:	**CCB2**							
COD		mg/L	< 5.0000	5.0000	U	2.35	10	11/11/2024

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Preparation Blank Summary

Client: Walsh Construction Company II, LLC **SDG No.:** P4722

Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB133331BL							
TS	%	< 2.5000	2.5000	U	1	5	11/06/2024
Sample ID: LB133332BL							
TVS	%	< 5.0000	5.0000	U	1	10	11/06/2024
Sample ID: LB133347BL							
Oil and Grease	mg/Kg	4.99	12.5000	J	3.25	25	11/08/2024
Sample ID: LB133394BL							
COD	mg/Kg	< 250.0000	250.0000	U	55.4	500	11/11/2024
Sample ID: PB164675BL							
Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.186	10	11/06/2024
Sample ID: PB164717BL							
Reactive Cyanide	mg/Kg	0.012	0.0250	J	0.0088	0.05	11/06/2024
Sample ID: PB164738BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.079	0.4	11/08/2024
Sample ID: PB164755BL							
Cyanide	mg/Kg	< 0.1250	0.1250	U	0.044	0.25	11/07/2024
Sample ID: PB164763BL							
Ammonia as N	mg/Kg	< 2.5000	2.5000	U	0.9	5	11/08/2024

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Matrix Spike Summary

Client: Walsh Construction Company II, LLC
SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Sample ID: P4722-03
Client ID: WC-1(0-6)MS
Percent Solids for Spike Sample: 93.8

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	1.80		0.046	U	2.1	1	86		11/07/2024

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Matrix Spike Summary

Client: Walsh Construction Company II, LLC
SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Sample ID: P4722-03
Client ID: WC-1(0-6)MSD
Percent Solids for Spike Sample: 93.8

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	1.80		0.046	U	2.1	1	86		11/07/2024

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Matrix Spike Summary

Client: Walsh Construction Company II, LLC
SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Sample ID: P4722-08
Client ID: WC-2(0-6)MS
Percent Solids for Spike Sample: 90.1

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
COD	mg/Kg	75-125	3720		1030		2720	1	99		11/11/2024

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Matrix Spike Summary

Client: Walsh Construction Company II, LLC
SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Sample ID: P4722-08
Client ID: WC-2(0-6)MSD
Percent Solids for Spike Sample: 90.1

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
COD	mg/Kg	75-125	3830		1030		2720	1	103		11/11/2024

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Matrix Spike Summary

Client: Walsh Construction Company II, LLC
SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Sample ID: P4722-13
Client ID: WC-3(0-6)MS
Percent Solids for Spike Sample: 86.6

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/Kg	75-125	55.8		2.20	J	56.6	1	95		11/08/2024
Oil and Grease	mg/Kg	75-125	2140		2610		115	1	-409	*	11/08/2024

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Matrix Spike Summary

Client: Walsh Construction Company II, LLC
SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Sample ID: P4722-13
Client ID: WC-3(0-6)MSD
Percent Solids for Spike Sample: 86.6

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/Kg	75-125	56.1		2.20	J	56.1	1	96		11/08/2024
Oil and Grease	mg/Kg	75-125	2160		2610		115	1	-393	*	11/08/2024

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Matrix Spike Summary

Client: Walsh Construction Company II, LLC
SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Sample ID: P4739-13
Client ID: TP-11MS
Percent Solids for Spike Sample: 91.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	1410		0.086	U	1400	40	101		11/08/2024

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Matrix Spike Summary

Client: Walsh Construction Company II, LLC
SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Sample ID: P4739-13
Client ID: TP-11MS
Percent Solids for Spike Sample: 91.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	41.0		0.086	U	43.5	2	94		11/08/2024

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Matrix Spike Summary

Client: Walsh Construction Company II, LLC
SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Sample ID: P4739-13
Client ID: TP-11MS
Percent Solids for Spike Sample: 91.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	34.2		0.086	U	43.5	2	79		11/08/2024

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Duplicate Sample Summary

Client: Walsh Construction Company II, LLC
SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Sample ID: P4700-01
Client ID: MH-8DUP
Percent Solids for Spike Sample: 91.2

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ignitability	oC	+/-20	NO		NO		1	0		11/07/2024

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Duplicate Sample Summary

Client: Walsh Construction Company II, LLC
SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Sample ID: P4700-04
Client ID: MH-8DUP
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Reactive Sulfide	mg/Kg	+/-20	1.58	J	1.58	J	1	0		11/06/2024

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Duplicate Sample Summary

Client: Walsh Construction Company II, LLC
SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Sample ID: P4719-01
Client ID: BAYAVE-STOCKPILEDUP
Percent Solids for Spike Sample: 97.4

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Paint Filter	ml/100gm	+/-20	1.00	U	1.00	U	1	0		11/06/2024

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Duplicate Sample Summary

Client: Walsh Construction Company II, LLC
SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Sample ID: P4722-03
Client ID: WC-1(0-6)DUP
Percent Solids for Spike Sample: 93.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.046	U	0.045	U	1	0		11/07/2024

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Duplicate Sample Summary

Client: Walsh Construction Company II, LLC
SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Sample ID: P4722-03
Client ID: WC-1(0-6)MSD
Percent Solids for Spike Sample: 93.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	1.80		1.80		1	0		11/07/2024

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Duplicate Sample Summary

Client: Walsh Construction Company II, LLC
SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Sample ID: P4722-08
Client ID: WC-2(0-6)DUP
Percent Solids for Spike Sample: 90.1

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
COD	mg/Kg	+/-20	1030		1090		1	5.66		11/11/2024

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Duplicate Sample Summary

Client: Walsh Construction Company II, LLC
SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Sample ID: P4722-08
Client ID: WC-2(0-6)MSD
Percent Solids for Spike Sample: 90.1

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
COD	mg/Kg	+/-20	3720		3830		1	2.91		11/11/2024

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Duplicate Sample Summary

Client: Walsh Construction Company II, LLC
SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Sample ID: P4722-13
Client ID: WC-3(0-6)DUP
Percent Solids for Spike Sample: 86.6

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TS	%	+/-5	88.0		86.8		1	1.37		11/06/2024
TVS	%	+/-5	10.4		9.90	J	1	4.93		11/06/2024
Oil and Grease	mg/Kg	+/-20	2610		2600		1	0.49		11/08/2024
Ammonia as N	mg/Kg	+/-20	2.20	J	3.10	J	1	34	*	11/08/2024

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Duplicate Sample Summary

Client: Walsh Construction Company II, LLC
SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Sample ID: P4722-13
Client ID: WC-3(0-6)MSD
Percent Solids for Spike Sample: 86.6

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Oil and Grease	mg/Kg	+/-20	2140		2160		1	0.85		11/08/2024
Ammonia as N	mg/Kg	+/-20	55.8		56.1		1	1		11/08/2024

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Duplicate Sample Summary

Client: Walsh Construction Company II, LLC
SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Sample ID: P4722-14
Client ID: WC-3(0-6)DUP
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Reactive Cyanide	mg/Kg	+/-20	0.012	J	0.0088	U	1	200	*	11/06/2024
Ignitability	oC	+/-20	NO		NO		1	0		11/07/2024

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Duplicate Sample Summary

Client: Walsh Construction Company II, LLC
SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Sample ID: P4739-13
Client ID: TP-11DUP
Percent Solids for Spike Sample: 91.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.086	U	0.085	U	1	0		11/08/2024

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Duplicate Sample Summary

Client: Walsh Construction Company II, LLC
SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Sample ID: P4739-16
Client ID: TP-11DUP
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Corrosivity	pH	+/-20	10.1		10.1		1	0.1		11/06/2024

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Laboratory Control Sample Summary

Client:	Walsh Construction Company II, LLC	**SDG No.:**	P4722
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	**Run No.:**	LB133347

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB133347BS								
Oil and Grease	mg/Kg	100	94.8		95	1	80-120	11/08/2024

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Laboratory Control Sample Summary

Client:	Walsh Construction Company II, LLC	**SDG No.:**	P4722
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	**Run No.:**	LB133394

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB133394BS								
COD	mg/Kg	2500	2570		103	1	90-110	11/11/2024

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Laboratory Control Sample Summary

Client:	Walsh Construction Company II, LLC	**SDG No.:**	P4722
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	**Run No.:**	LB133351

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB164738BS								
Hexavalent Chromium	mg/Kg	20	20.2		101	1	84-110	11/08/2024

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Laboratory Control Sample Summary

Client:	Walsh Construction Company II, LLC	**SDG No.:**	P4722
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	**Run No.:**	LB133336

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB164755BS								
Cyanide	mg/Kg	5	4.80		96	1	85-115	11/07/2024

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Laboratory Control Sample Summary

Client:	Walsh Construction Company II, LLC	**SDG No.:**	P4722
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	**Run No.:**	LB133358

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB164763BS								
Ammonia as N	mg/Kg	50	50.3		101	1	90-110	11/08/2024

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

QUOTE NO. P4722
COC Number 2046205

23
23.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Walsh Construction Company
ADDRESS: 150 CLOVE ROAD, 11th FLOOR
CITY LITTLE FALLS STATE: NJ ZIP: 07424
ATTENTION:
PHONE: 201-691-6000 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: C547A Construction of Shafts 17B1-18B1
PROJECT NO.: 22084 LOCATION: Shaft 18B-1
PROJECT MANAGER: Jesse SYLVESTRI
e-mail: JSYLVESTRI@WALSHGROUP.COM
PHONE: 201-681-9740 FAX:

CLIENT BILLING INFORMATION

BILL TO: JESSE SYLVESTRI PO#:
ADDRESS: 150 CLOVE ROAD, 11th FLOOR
CITY LITTLE FALLS STATE: NJ ZIP: 07424
ATTENTION: Jesse SYLVESTRI PHONE: 201-681-9740

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: Standard TAT DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☑ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other _____
☐ EDD FORMAT _____

ANALYSIS

1 TCL VOCs + TICs 8260
2 TCL SVOCs + 10 TICs, 8270
3 TAL Metals 6010/7000
4 Total Cyanide 9012C
Tri + Hex Chrome 3500CR+B/7196
5 Pest/Herb/PCB 8081B/8082A
6 SPLP VOCs, SVOCs, Metals, Pest/Herb/PCB 8081B/8082A
7 TCLP SVOCs, Pest/Herb/PCB 8081B/8082A
8 NJ EPH 10/07 Hexane Extr. 8015
9 RCRA Characteristics Reactivity-Sulfide 7.3 Ignitability Corrosivity-pH 9045C
SW846 Ch 7.3
NJEE Comp

PRESERVATIVES

Method Number

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	1	2	3	4	5	6	7	8	9
1.	WC-1 (5.5)	S		✓	11/5/24	1155	5	X								
2.	WC-1 (3.5)	S		✓		1225	5	X								
3.	WC-1 (0-6)	S	✓			1240	10		X	X	X	X	X	X	X	X
4.	WC-2 (2)	S		✓		1000	5	X	1							
5.	WC-2 (4)	S		✓		1020	5	X								
6.	WC-2 (0-6)	S	✓			1045	10		X	X	X	X	X	X	X	X
7.	WC-3 (5)	S		✓		815	5	X								
8.	WC-3 (3)	S		✓		845	5	X								
9.	WC-3 (0-6)	S	✓			910	10		X	X	X	X	X	X	X	X
10.																

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

	DATE/TIME	RECEIVED BY
1 RELINQUISHED BY SAMPLER:	11/5/24 1:15pm	1. Bernie DeS
2 RELINQUISHED BY SAMPLER: Bernie DeS	11-5-24 1406	2. 1406 11-5-24
3 RELINQUISHED BY SAMPLER:	11-5-24 1730	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON-COMPLIANT ☐ COOLER TEMP 3.7 °C

Comments: Additional Analyses: Paint Filter 9095A Total Solids SM2540B Total Volatile Solids SM2540B Ammonia at Nitrogen 350.1 Chemical Oxygen Demand 410.4 0.1 and Grease 9071B full analyses list in email from Bill Fitchett 11/1/24

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4722 WALS01
Client Name : Walsh Construction Compa
Client Contact : Kayla Timony
Invoice Name : Walsh Construction Compa
Invoice Contact : Kayla Timony

Order Date : 11/5/2024 3:33:08 PM
Project Name : NYCDEP C547A - Shafts 1
Receive DateTime : 11/5/2024 5:32:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : Level 2
EDD Type : Excel NY
Hard Copy Date :
Date Signoff : 11/6/2024 11:17:21 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4722-01	WC-1(5.5)	Solid	11/05/2024	11:55					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-06	WC-2(2)	Solid	11/05/2024	10:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-11	WC-3(5)	Solid	11/05/2024	08:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-17	WC-1(3.5)	Solid	11/05/2024	12:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-19	WC-2(4)	Solid	11/05/2024	10:20					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-21	WC-3(3)	Solid	11/05/2024	08:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	P4722 WALS01	**Order Date :**	11/5/2024 3:33:08 PM	**Project Mgr :**	Yazmeen
Client Name :	Walsh Construction Compa	**Project Name :**	NYCDEP C547A - Shafts 1	**Report Type :**	Level 2
Client Contact :	Kayla Timony	**Receive DateTime :**	11/5/2024 5:32:00 PM	**EDD Type :**	Excel NY
Invoice Name :	Walsh Construction Compa	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Kayla Timony			**Date Signoff :**	11/6/2024 11:17:21 AM

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

Relinguished By : [signature]
Date / Time : 11/6/24 1218

Received By : Roman 12:20
Date / Time : 11/06/24

Storage Area : VOA Refridgerator Room