

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	

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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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

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

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

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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

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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:

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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QC SUMMARY

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	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

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	Low	Limits High	RPD
Client Sample ID: P4718-03MS	WB-307-SB02MS											
	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	

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	Low	Limits High	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		Limits	
								Qual	Low	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	

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

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
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	Injection Volume :	
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

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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
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	Injection Volume :	
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

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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
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	Injection Volume :	
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

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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
Sample Wt/Vol:	1000	Units: mL	Decanted:	
Soil Aliquot Vol:		uL	Final Vol:	10000 uL
Extraction Type:			Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	Injection Volume :	
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

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
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

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

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
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract:	<u>WALS01</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>P4722</u>	SAS No.:	<u>P4722</u>	SDG NO.:	<u>P4722</u>
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):		<u>11/08/2024</u>	<u>11/08/2024</u>		
		Calibration Times:		<u>15:13</u>	<u>16:58</u>		

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID:	RT 200 =	<u>PS028356.D</u>	RT 500 =	<u>PS028357.D</u>
	RT 750 =	PS028358.D	RT 1000 =	PS028359.D
			RT 1500 =	PS028360.D

[illegible]

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 = <u>PS028356.D</u>	RT 500 = <u>PS028357.D</u>
	RT 750 = <u>PS028358.D</u>	RT 1000 = <u>PS028359.D</u>
		RT 1500 = <u>PS028360.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM 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

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 = <u>PS028356.D</u>CF 500 = <u>PS028357.D</u> CF 750 = <u>PS028358.D</u>CF 1000 = <u>PS028359.D</u>CF 1500 = <u>PS028360.D</u>							
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

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 =	<u>PS028356.D</u>	CF 500 =	<u>PS028357.D</u>		
CF 750 =		<u>PS028358.D</u>	CF 1000 =	<u>PS028359.D</u>	CF 1500 =	<u>PS028360.D</u>	
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

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		DIFF RT
			FROM	TO	
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

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		DIFF RT
			FROM	TO	
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

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		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
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

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		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
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

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		DIFF RT
			FROM	TO	
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

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		DIFF RT
			FROM	TO	
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

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		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
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

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		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
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

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 #
1.BLK	1.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
1.BLK	1.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
1.BLK	1.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

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 #
IBLK	IBLK	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
IBLK	IBLK	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
IBLK	IBLK	11/12/2024	18:04	PS028462.D	7.75	0.00
HSTDCCC750	HSTDCCC750	11/12/2024	18:29	PS028463.D	7.75	0.00

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		CONCENTRATION	%RPD
			FROM	TO		
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	

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		CONCENTRATION	%RPD
			FROM	TO		
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	

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		CONCENTRATION	%RPD
			FROM	TO		
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	