

LAB CHRONICLE

OrderID:	Q1206	OrderDate:	1/28/2025 11:18:51 AM
Client:	RU2 Engineering, LLC	Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Contact:	Rutu Manani	Location:	E11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1206-01	JPP-20.1-012725	SOIL	Diesel Range Organics Gasoline Range Organics	8015D 8015D	01/27/25	01/29/25	01/30/25 01/29/25	01/28/25
Q1206-03	JPP-20.1-012725	SOIL	PCB	8082A	01/27/25	01/29/25	01/29/25	01/28/25
Q1206-04	JPP-20.1-012725	TCLP	TCLP Herbicide	8151A	01/27/25	01/29/25	01/30/25	01/28/25
Q1206-05	JPP-16.3-012725	SOIL	Diesel Range Organics Gasoline Range Organics	8015D 8015D	01/27/25	01/29/25	01/30/25 01/29/25	01/28/25
Q1206-07	JPP-16.3-012725	SOIL	PCB	8082A	01/27/25	01/29/25	01/29/25	01/28/25
Q1206-08	JPP-16.3-012725	TCLP	TCLP Herbicide	8151A	01/27/25	01/29/25	01/30/25	01/28/25

Hit Summary Sheet
SW-846

SDG No.: Q1206

Order ID: Q1206

Client: RU2 Engineering, LLC

Project ID: NYCDDC SANTWOBR Brooklyn Bri

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
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Client ID :

Total Concentration: 0.000

A
B
C
D
E
F
G
H



SAMPLE DATA

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-20.1-012725	SDG No.:	Q1206
Lab Sample ID:	Q1206-04	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :	1.0	Final Vol:	10000
Prep Method :	8151A	Test:	TCLP Herbicide
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028993.D	1	01/29/25 12:09	01/30/25 14:56	PB166382

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	20.0	U	4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	20.0	U	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	385		39 - 175	77%	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:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-16.3-012725	SDG No.:	Q1206
Lab Sample ID:	Q1206-08	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 :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028996.D	1	01/29/25 12:09	01/30/25 16:07	PB166382

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	20.0	U	4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	20.0	U	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	382		39 - 175	76%	SPK: 500

Comments:

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QC SUMMARY

Surrogate Summary

SDG No.: Q1206

Client: RU2 Engineering, LLC

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PS028900.D	PIBLK-PS028900.D	2,4-DCAA	1	500	474	95		39	175
		2,4-DCAA	2	500	492	98		39	175
I.BLK-PS028988.D	PIBLK-PS028988.D	2,4-DCAA	1	500	512	102		39	175
		2,4-DCAA	2	500	489	98		39	175
PB166382BL	PB166382BL	2,4-DCAA	1	500	445	89		39	175
		2,4-DCAA	2	500	404	81		39	175
PB166382BS	PB166382BS	2,4-DCAA	1	500	510	102		39	175
		2,4-DCAA	2	500	465	93		39	175
PB166318TB	PB166318TB	2,4-DCAA	1	500	462	92		39	175
		2,4-DCAA	2	500	313	63		39	175
Q1206-04	JPP-20.1-012725	2,4-DCAA	1	500	385	77		39	175
		2,4-DCAA	2	500	241	48		39	175
Q1206-04MS	JPP-20.1-012725MS	2,4-DCAA	1	500	424	85		39	175
		2,4-DCAA	2	500	267	53		39	175
Q1206-04MSD	JPP-20.1-012725MSD	2,4-DCAA	1	500	424	85		39	175
		2,4-DCAA	2	500	265	53		39	175
Q1206-08	JPP-16.3-012725	2,4-DCAA	1	500	382	76		39	175
		2,4-DCAA	2	500	263	53		39	175
I.BLK-PS028997.D	PIBLK-PS028997.D	2,4-DCAA	1	500	510	102		39	175
		2,4-DCAA	2	500	499	100		39	175

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1206

Client: RU2 Engineering, LLC

Analytical Method: 8151A

DataFile : PS028994.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	JPP-20.1-012725MS											
Q1206-04MS	2,4-D	50	0	50.4	ug/L	101				65	135	
	2,4,5-TP(Silvex)	50	0	79.2	ug/L	158	*			62	139	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1206

Client: RU2 Engineering, LLC

Analytical Method: 8151A

DataFile : PS028995.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	JPP-20.1-012725MSD											
Q1206-04MSD	2,4-D	50	0	49.9	ug/L	100		1		65	135	20
	2,4,5-TP(Silvex)	50	0	78.7	ug/L	157	*	1		62	139	20



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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1206

Client: RU2 Engineering, LLC

Analytical Method: 8151A Datafile : PS028991.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB166382BS	2,4-D	5	4.80	ug/L	96				83	130	
	2,4,5-TP(Silvex)	5	4.90	ug/L	98				78	127	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166382BL

Lab Name: CHEMTECH

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206

SAS No.: Q1206 SDG NO.: Q1206

Lab Sample ID: PB166382BL

Lab File ID: PS028990.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 01/29/2025

Date Analyzed (1): 01/30/2025

Date Analyzed (2): 01/30/2025

Time Analyzed (1): 13:44

Time Analyzed (2): 13:44

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
PB166382BS	PB166382BS	PS028991.D	01/30/2025	01/30/2025
PB166318TB	PB166318TB	PS028992.D	01/30/2025	01/30/2025
JPP-20.1-012725	Q1206-04	PS028993.D	01/30/2025	01/30/2025
JPP-20.1-012725MS	Q1206-04MS	PS028994.D	01/30/2025	01/30/2025
JPP-20.1-012725MSD	Q1206-04MSD	PS028995.D	01/30/2025	01/30/2025
JPP-16.3-012725	Q1206-08	PS028996.D	01/30/2025	01/30/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166382BL	SDG No.:	Q1206
Lab Sample ID:	PB166382BL	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
PS028990.D	1	01/29/25 12:09	01/30/25 13:44	PB166382

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	2.00	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	445		39 - 175	89%	SPK: 500

Comments:

U = Not Detected

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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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() = Laboratory InHouse Limit

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/14/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/14/25
Client Sample ID:	PIBLK-PS028900.D	SDG No.:	Q1206
Lab Sample ID:	I.BLK-PS028900.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
PS028900.D	1		01/14/25	PS011425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	2.00	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	492		39 - 175	98%	SPK: 500

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	PIBLK-PS028988.D	SDG No.:	Q1206
Lab Sample ID:	I.BLK-PS028988.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
PS028988.D	1		01/30/25	PS013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	2.00	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	512		39 - 175	102%	SPK: 500

Comments:

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() = Laboratory InHouse Limit

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	PIBLK-PS028997.D	SDG No.:	Q1206
Lab Sample ID:	I.BLK-PS028997.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 :	
PH :			
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028997.D	1		01/30/25	PS013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	2.00	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	510		39 - 175	102%	SPK: 500

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166382BS	SDG No.:	Q1206
Lab Sample ID:	PB166382BS	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
PS028991.D	1	01/29/25 12:09	01/30/25 14:08	PB166382

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)	4.90		0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	510		39 - 175	102%	SPK: 500

Comments:

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-20.1-012725MS	SDG No.:	Q1206
Lab Sample ID:	Q1206-04MS	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028994.D	1	01/29/25 12:09	01/30/25 15:20	PB166382

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	50.4		4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	79.2	P	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	424		39 - 175	85%	SPK: 500

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-20.1-012725MSD	SDG No.:	Q1206
Lab Sample ID:	Q1206-04MSD	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
PS028995.D	1	01/29/25 12:09	01/30/25 15:43	PB166382

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	49.9		4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	78.7	P	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	424		39 - 175	85%	SPK: 500

Comments:

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M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank

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() = Laboratory InHouse Limit



CALIBRATION SUMMARY

A
B
C
D
E
F
G
H

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

[illegible]

A
B
C
D
E
F
G
H

GC Column: RTX-CLP2 ID: 0.32 (mm)

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Instrument ID: ECD_S **Calibration Date(s):** 01/14/2025 01/14/2025
Calibration Times: 10:31 12:07

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

LAB FILE ID:		CF 200 = <u>PS028901.D</u>		CF 500 = <u>PS028902.D</u>			
CF 750 = <u>PS028903.D</u>		CF 1000 = <u>PS028904.D</u>		CF 1500 = <u>PS028905.D</u>			
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	21246200000	19217800000	18444300000	17622300000	16707400000	18647600000	9
2,4-D	3794730000	3389210000	3238030000	3095840000	2967500000	3297060000	10
2,4-DCAA	3179220000	2766210000	2659700000	2530920000	2413760000	2709960000	11

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Instrument ID: ECD_S **Calibration Date(s):** 01/14/2025 01/14/2025
Calibration Times: 10:31 12:07

GC Column: RTX-CLP2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 200 = <u>PS028901.D</u>	CF 500 = <u>PS028902.D</u>				
CF 750 = <u>PS028903.D</u>		CF 1000 = <u>PS028904.D</u>	CF 1500 = <u>PS028905.D</u>				
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	9615710000	9419870000	9409010000	9233020000	9015720000	9338670000	2
2,4-D	1602310000	1486700000	1468930000	1440130000	1429250000	1485460000	5
2,4-DCAA	1189550000	1103610000	1095350000	1074740000	1070080000	1106670000	4

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

Continuing Calib Date: 01/30/2025 Initial Calibration Date(s): 01/14/2025 01/14/2025

Continuing Calib Time: 13:20 Initial Calibration Time(s): 10:31 12:07

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.19	7.20	7.10	7.30	0.01
2,4-D	8.31	8.32	8.22	8.42	0.01
2,4,5-TP(Silvex)	9.18	9.19	9.09	9.29	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Continuing Calib Date: 01/30/2025 **Initial Calibration Date(s):** 01/14/2025 01/14/2025

Continuing Calib Time: 13:20 **Initial Calibration Time(s):** 10:31 12:07

GC Column: RTX-CLP2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.67	7.68	7.58	7.78	0.01
2,4-D	8.91	8.91	8.81	9.01	0.01
2,4,5-TP(Silvex)	9.80	9.81	9.71	9.91	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 01/14/2025 01/14/2025

Client Sample No.: CCAL01 Date Analyzed: 01/30/2025

Lab Sample No.: HSTDCCC750 Data File : PS028989.D Time Analyzed: 13:20

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.181	9.089	9.289	750.680	712.500	5.4
2,4-D	8.310	8.216	8.416	735.240	705.000	4.3
2,4-DCAA	7.192	7.097	7.297	777.790	750.000	3.7

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/14/2025 01/14/2025

Client Sample No.: CCAL01 Date Analyzed: 01/30/2025

Lab Sample No.: HSTDCCC750 Data File : PS028989.D Time Analyzed: 13:20

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.803	9.713	9.913	766.570	712.500	7.6
2,4-D	8.905	8.813	9.013	711.080	705.000	0.9
2,4-DCAA	7.670	7.577	7.777	736.960	750.000	-1.7

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Continuing Calib Date: 01/30/2025 **Initial Calibration Date(s):** 01/14/2025 01/14/2025

Continuing Calib Time: 16:55 **Initial Calibration Time(s):** 10:31 12:07

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.19	7.20	7.10	7.30	0.01
2,4-D	8.31	8.32	8.22	8.42	0.01
2,4,5-TP(Silvex)	9.18	9.19	9.09	9.29	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Continuing Calib Date: 01/30/2025 **Initial Calibration Date(s):** 01/14/2025 01/14/2025

Continuing Calib Time: 16:55 **Initial Calibration Time(s):** 10:31 12:07

GC Column: RTX-CLP2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.67	7.68	7.58	7.78	0.01
2,4-D	8.90	8.91	8.81	9.01	0.01
2,4,5-TP(Silvex)	9.80	9.81	9.71	9.91	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 01/14/2025 01/14/2025

Client Sample No.: CCAL02 Date Analyzed: 01/30/2025

Lab Sample No.: HSTDCCC750 Data File : PS028998.D Time Analyzed: 16:55

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.181	9.089	9.289	751.030	712.500	5.4
2,4-D	8.309	8.216	8.416	735.060	705.000	4.3
2,4-DCAA	7.192	7.097	7.297	774.330	750.000	3.2

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/14/2025 01/14/2025

Client Sample No.: CCAL02 Date Analyzed: 01/30/2025

Lab Sample No.: HSTDCCC750 Data File : PS028998.D Time Analyzed: 16:55

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.803	9.713	9.913	780.240	712.500	9.5
2,4-D	8.904	8.813	9.013	724.010	705.000	2.7
2,4-DCAA	7.670	7.577	7.777	751.950	750.000	0.3

Analytical Sequence

Client: RU2 Engineering, LLC	SDG No.: Q1206
Project: NYCDDC SANTWOBR Brooklyn Bridge BI	Instrument ID: ECD_S
GC Column: RTX-CLP	ID: 0.32 (mm) Inst. Calib. Date(s): 01/14/2025 01/14/2025

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	01/14/2025	10:07	PS028900.D	7.20	0.00
HSTDICC200	HSTDICC200	01/14/2025	10:31	PS028901.D	7.20	0.00
HSTDICC500	HSTDICC500	01/14/2025	10:55	PS028902.D	7.20	0.00
HSTDICC750	HSTDICC750	01/14/2025	11:19	PS028903.D	7.20	0.00
HSTDICC1000	HSTDICC1000	01/14/2025	11:43	PS028904.D	7.20	0.00
HSTDICC1500	HSTDICC1500	01/14/2025	12:07	PS028905.D	7.20	0.00
IBLK	IBLK	01/30/2025	12:56	PS028988.D	7.19	0.00
HSTDCCC750	HSTDCCC750	01/30/2025	13:20	PS028989.D	7.19	0.00
PB166382BL	PB166382BL	01/30/2025	13:44	PS028990.D	7.19	0.00
PB166382BS	PB166382BS	01/30/2025	14:08	PS028991.D	7.19	0.00
PB166318TB	PB166318TB	01/30/2025	14:32	PS028992.D	7.19	0.00
JPP-20.1-012725	Q1206-04	01/30/2025	14:56	PS028993.D	7.19	0.00
JPP-20.1-012725MS	Q1206-04MS	01/30/2025	15:20	PS028994.D	7.19	0.00
JPP-20.1-012725MSD	Q1206-04MSD	01/30/2025	15:43	PS028995.D	7.19	0.00
JPP-16.3-012725	Q1206-08	01/30/2025	16:07	PS028996.D	7.19	0.00
IBLK	IBLK	01/30/2025	16:31	PS028997.D	7.19	0.00
HSTDCCC750	HSTDCCC750	01/30/2025	16:55	PS028998.D	7.19	0.00

Analytical Sequence

Client: RU2 Engineering, LLC	SDG No.: Q1206
Project: NYCDDC SANTWOBR Brooklyn Bridge BI	Instrument ID: ECD_S
GC Column: RTX-CLP2	ID: 0.32 (mm) Inst. Calib. Date(s): 01/14/2025 01/14/2025

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	01/14/2025	10:07	PS028900.D	7.68	0.00
HSTDICC200	HSTDICC200	01/14/2025	10:31	PS028901.D	7.68	0.00
HSTDICC500	HSTDICC500	01/14/2025	10:55	PS028902.D	7.68	0.00
HSTDICC750	HSTDICC750	01/14/2025	11:19	PS028903.D	7.68	0.00
HSTDICC1000	HSTDICC1000	01/14/2025	11:43	PS028904.D	7.68	0.00
HSTDICC1500	HSTDICC1500	01/14/2025	12:07	PS028905.D	7.68	0.00
IBLK	IBLK	01/30/2025	12:56	PS028988.D	7.67	0.00
HSTDCCC750	HSTDCCC750	01/30/2025	13:20	PS028989.D	7.67	0.00
PB166382BL	PB166382BL	01/30/2025	13:44	PS028990.D	7.67	0.00
PB166382BS	PB166382BS	01/30/2025	14:08	PS028991.D	7.67	0.00
PB166318TB	PB166318TB	01/30/2025	14:32	PS028992.D	7.67	0.00
JPP-20.1-012725	Q1206-04	01/30/2025	14:56	PS028993.D	7.67	0.00
JPP-20.1-012725MS	Q1206-04MS	01/30/2025	15:20	PS028994.D	7.67	0.00
JPP-20.1-012725MSD	Q1206-04MSD	01/30/2025	15:43	PS028995.D	7.67	0.00
JPP-16.3-012725	Q1206-08	01/30/2025	16:07	PS028996.D	7.67	0.00
IBLK	IBLK	01/30/2025	16:31	PS028997.D	7.67	0.00
HSTDCCC750	HSTDCCC750	01/30/2025	16:55	PS028998.D	7.67	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JPP-20.1-012725MS

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

Lab Sample ID: Q1206-04MS Date(s) Analyzed: 01/30/2025 01/30/2025

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	8.31	8.26	8.36	50.4	6.6
	2	8.90	8.85	8.95	47.2	
2,4,5-TP(Silvex)	1	9.18	9.13	9.23	48.1	48.9
	2	9.81	9.76	9.86	79.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JPP-20.1-012725MSD

Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

Lab Sample ID: Q1206-04MSD Date(s) Analyzed: 01/30/2025 01/30/2025

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	8.31	8.26	8.36	49.9	6.6
	2	8.90	8.85	8.95	46.7	
2,4,5-TP(Silvex)	1	9.18	9.13	9.23	47.5	49.4
	2	9.81	9.76	9.86	78.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166382BS

Contract: RUTW01

Lab Code: CHEM

Case No.: Q1206

SAS No.: Q1206

SDG NO.: Q1206

Lab Sample ID: PB166382BS

Date(s) Analyzed: 01/30/2025

01/30/2025

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	9.18	9.13	9.23	4.90	2.1
	2	9.80	9.75	9.85	4.80	
2,4-D	1	8.31	8.26	8.36	4.80	6.5
	2	8.91	8.86	8.96	4.50	