

LAB CHRONICLE

OrderID:	Q1216	OrderDate:	1/29/2025 11:54:00 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
Q1216-01	JPP-18.1-012825	SOIL	Diesel Range Organics Gasoline Range Organics	8015D 8015D	01/28/25	01/30/25	01/30/25 01/30/25	01/29/25
Q1216-03	JPP-18.1-012825	SOIL	PCB Pesticide-TCL	8082A 8081B	01/28/25	01/30/25 01/30/25	01/30/25 01/30/25	01/29/25
Q1216-04	JPP-18.1-012825	TCLP	TCLP Herbicide TCLP Pesticide	8151A 8081B	01/28/25	01/31/25 01/31/25	02/01/25 02/03/25	01/29/25
Q1216-05	JPP-21.1-012825	SOIL	Diesel Range Organics Gasoline Range Organics	8015D 8015D	01/28/25	01/30/25	01/30/25 01/30/25	01/29/25
Q1216-07	JPP-21.1-012825	SOIL	PCB Pesticide-TCL	8082A 8081B	01/28/25	01/30/25 01/30/25	01/30/25 01/30/25	01/29/25
Q1216-08	JPP-21.1-012825	TCLP	TCLP Herbicide TCLP Pesticide	8151A 8081B	01/28/25	01/31/25 01/31/25	02/01/25 02/03/25	01/29/25
Q1216-09	JPP-21.2-012825	SOIL	Diesel Range Organics Gasoline Range Organics	8015D 8015D	01/28/25	01/30/25	01/30/25 01/30/25	01/29/25
Q1216-11	JPP-21.2-012825	SOIL	PCB Pesticide-TCL	8082A 8081B	01/28/25	01/30/25 01/30/25	01/30/25 01/30/25	01/29/25
Q1216-12	JPP-21.2-012825	TCLP			01/28/25			01/29/25

LAB CHRONICLE

Q1216-13	JPP-26.1-012825	SOIL	TCLP Herbicide	8151A	01/31/25	02/01/25	01/28/25	01/29/25
			TCLP Pesticide	8081B	01/31/25	02/03/25		
Q1216-15	JPP-26.1-012825	SOIL	Diesel Range Organics	8015D	01/30/25	01/30/25	01/28/25	01/29/25
			Gasoline Range Organics	8015D		01/30/25		
Q1216-16	JPP-26.1-012825	TCLP	PCB	8082A	01/30/25	01/30/25	01/28/25	01/29/25
			Pesticide-TCL	8081B	01/30/25	02/03/25		
Q1216-17	JPP-26.2-012825	SOIL	TCLP Herbicide	8151A	01/31/25	02/01/25	01/28/25	01/29/25
			TCLP Pesticide	8081B	01/31/25	02/03/25		
Q1216-19	JPP-26.2-012825	SOIL	Diesel Range Organics	8015D	01/30/25	01/30/25	01/28/25	01/29/25
			Gasoline Range Organics	8015D		01/30/25		
Q1216-20	JPP-26.2-012825	TCLP	PCB	8082A	01/30/25	01/30/25	01/28/25	01/29/25
			Pesticide-TCL	8081B	01/30/25	01/30/25		
			TCLP Herbicide	8151A	01/31/25	02/01/25		
			TCLP Pesticide	8081B	01/31/25	02/03/25		



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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q1216

Order ID: Q1216

Client: RU2 Engineering, LLC

Project ID: NYCDDC SANTWOBR Brooklyn Bri

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :				Total Concentration:	0.000			



SAMPLE DATA

Report of Analysis

Client:	RU2 Engineering, LLC		Date Collected:		
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR		Date Received:	01/31/25	
Client Sample ID:	PB166356TB		SDG No.:	Q1216	
Lab Sample ID:	PB166356TB		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
PS029024.D	1	01/31/25 10:55	01/31/25 23:32	PB166428

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	467		39 - 175	93%	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:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-18.1-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-04	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
PS029029.D	1	01/31/25 10:55	02/01/25 01:32	PB166428

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	558		39 - 175	112%	SPK: 500

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-21.1-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-08	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
PS029030.D	1	01/31/25 10:55	02/01/25 01:56	PB166428

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	503		39 - 175	101%	SPK: 500

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B = Analyte Found in Associated Method Blank

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-21.2-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-12	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
PS029033.D	1	01/31/25 10:55	02/01/25 03:56	PB166428

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	531		39 - 175	106%	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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* = 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:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-26.1-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-16	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
PS029034.D	1	01/31/25 10:55	02/01/25 04:20	PB166428

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	522		39 - 175	104%	SPK: 500

Comments:

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() = Laboratory InHouse Limit

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-26.2-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-20	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
PS029035.D	1	01/31/25 10:55	02/01/25 04:44	PB166428

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	533		39 - 175	107%	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

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

Surrogate Summary

SDG No.: Q1216

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-PS029019.D	PIBLK-PS029019.D	2,4-DCAA	1	500	581	116		39	175
		2,4-DCAA	2	500	551	110		39	175
PB166428BL	PB166428BL	2,4-DCAA	1	500	477	95		39	175
		2,4-DCAA	2	500	427	85		39	175
PB166428BS	PB166428BS	2,4-DCAA	1	500	543	109		39	175
		2,4-DCAA	2	500	489	98		39	175
PB166356TB	PB166356TB	2,4-DCAA	1	500	467	93		39	175
		2,4-DCAA	2	500	326	65		39	175
Q1215-04MS	JPP-29.1-012825MS	2,4-DCAA	1	500	591	118		39	175
		2,4-DCAA	2	500	363	73		39	175
Q1215-04MSD	JPP-29.1-012825MSD	2,4-DCAA	1	500	592	118		39	175
		2,4-DCAA	2	500	364	73		39	175
Q1216-04	JPP-18.1-012825	2,4-DCAA	1	500	558	112		39	175
		2,4-DCAA	2	500	351	70		39	175
Q1216-08	JPP-21.1-012825	2,4-DCAA	1	500	503	101		39	175
		2,4-DCAA	2	500	356	71		39	175
I.BLK-PS029031.D	PIBLK-PS029031.D	2,4-DCAA	1	500	584	117		39	175
		2,4-DCAA	2	500	554	111		39	175
Q1216-12	JPP-21.2-012825	2,4-DCAA	1	500	531	106		39	175
		2,4-DCAA	2	500	348	70		39	175
Q1216-16	JPP-26.1-012825	2,4-DCAA	1	500	522	104		39	175
		2,4-DCAA	2	500	344	69		39	175
Q1216-20	JPP-26.2-012825	2,4-DCAA	1	500	533	107		39	175
		2,4-DCAA	2	500	352	70		39	175
I.BLK-PS029043.D	PIBLK-PS029043.D	2,4-DCAA	1	500	572	114		39	175
		2,4-DCAA	2	500	551	110		39	175

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1216

Client: RU2 Engineering, LLC

Analytical Method: 8151A

DataFile : PS029026.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	JPP-29.1-012825MS											
Q1215-04MS	2,4-D	50	0	52.4	ug/L	105				65	135	
	2,4,5-TP(Silvex)	50	0	63.5	ug/L	127				62	139	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1216

Client: RU2 Engineering, LLC

Analytical Method: 8151A

DataFile : PS029027.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	JPP-29.1-012825MSD											
Q1215-04MSD	2,4-D	50	0	52.5	ug/L	105		0		65	135	20
	2,4,5-TP(Silvex)	50	0	63.8	ug/L	128		1		62	139	20



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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1216

Client: RU2 Engineering, LLC

Analytical Method: 8151A Datafile : PS029023.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB166428BS	2,4-D	5	5.20	ug/L	104				83	130	
	2,4,5-TP(Silvex)	5	5.30	ug/L	106				78	127	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166428BL

Lab Name: CHEMTECH

Contract: RUTW01

Lab Code: CHEM Case No.: Q1216

SAS No.: Q1216 SDG NO.: Q1216

Lab Sample ID: PB166428BL

Lab File ID: PS029022.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 01/31/2025

Date Analyzed (1): 01/31/2025

Date Analyzed (2): 01/31/2025

Time Analyzed (1): 22:44

Time Analyzed (2): 22:44

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
PB166428BS	PB166428BS	PS029023.D	01/31/2025	01/31/2025
PB166356TB	PB166356TB	PS029024.D	01/31/2025	01/31/2025
JPP-29.1-012825MS	Q1215-04MS	PS029026.D	02/01/2025	02/01/2025
JPP-29.1-012825MSD	Q1215-04MSD	PS029027.D	02/01/2025	02/01/2025
JPP-18.1-012825	Q1216-04	PS029029.D	02/01/2025	02/01/2025
JPP-21.1-012825	Q1216-08	PS029030.D	02/01/2025	02/01/2025
JPP-21.2-012825	Q1216-12	PS029033.D	02/01/2025	02/01/2025
JPP-26.1-012825	Q1216-16	PS029034.D	02/01/2025	02/01/2025
JPP-26.2-012825	Q1216-20	PS029035.D	02/01/2025	02/01/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166428BL	SDG No.:	Q1216
Lab Sample ID:	PB166428BL	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
PS029022.D	1	01/31/25 10:55	01/31/25 22:44	PB166428

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	477		39 - 175	95%	SPK: 500

Comments:

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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.:	Q1216
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 :	
PH :			
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

Comments:

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/31/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/31/25
Client Sample ID:	PIBLK-PS029019.D	SDG No.:	Q1216
Lab Sample ID:	I.BLK-PS029019.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
PS029019.D	1		01/31/25	PS013125

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	581		39 - 175	116%	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:	02/01/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	02/01/25
Client Sample ID:	PIBLK-PS029031.D	SDG No.:	Q1216
Lab Sample ID:	I.BLK-PS029031.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
PS029031.D	1		02/01/25	PS013125

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	584		39 - 175	117%	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:	02/01/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	02/01/25
Client Sample ID:	PIBLK-PS029043.D	SDG No.:	Q1216
Lab Sample ID:	I.BLK-PS029043.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
PS029043.D	1		02/01/25	PS013125

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	572		39 - 175	114%	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:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166428BS	SDG No.:	Q1216
Lab Sample ID:	PB166428BS	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
PS029023.D	1	01/31/25 10:55	01/31/25 23:08	PB166428

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	5.20		0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.30		0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	543		39 - 175	109%	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:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-29.1-012825MS	SDG No.:	Q1216
Lab Sample ID:	Q1215-04MS	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
PS029026.D	1	01/31/25 10:55	02/01/25 00:20	PB166428

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	52.4		4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	63.5		4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	591		39 - 175	118%	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:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-29.1-012825MSD	SDG No.:	Q1216
Lab Sample ID:	Q1215-04MSD	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 :	
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029027.D	1	01/31/25 10:55	02/01/25 00:44	PB166428

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	52.5		4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	63.8		4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	592		39 - 175	118%	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

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.:** Q1216 **SAS No.:** Q1216 **SDG NO.:** Q1216

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.:** Q1216 **SAS No.:** Q1216 **SDG NO.:** Q1216

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.:** Q1216 **SAS No.:** Q1216 **SDG NO.:** Q1216

Continuing Calib Date: 01/31/2025 **Initial Calibration Date(s):** 01/14/2025 01/14/2025

Continuing Calib Time: 21:08 **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	7.20	7.20	7.10	7.30	0.00
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.:** Q1216 **SAS No.:** Q1216 **SDG NO.:** Q1216

Continuing Calib Date: 01/31/2025 **Initial Calibration Date(s):** 01/14/2025 01/14/2025

Continuing Calib Time: 21:08 **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	0.00
2,4,5-TP(Silvex)	9.81	9.81	9.71	9.91	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

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

Client Sample No.: CCAL01 Date Analyzed: 01/31/2025

Lab Sample No.: HSTDCCC750 Data File : PS029020.D Time Analyzed: 21:08

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.184	9.089	9.289	724.050	712.500	1.6
2,4-D	8.312	8.216	8.416	712.460	705.000	1.1
2,4-DCAA	7.195	7.097	7.297	747.480	750.000	-0.3

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

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

Client Sample No.: CCAL01 Date Analyzed: 01/31/2025

Lab Sample No.: HSTDCCC750 Data File : PS029020.D Time Analyzed: 21:08

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.806	9.713	9.913	721.210	712.500	1.2
2,4-D	8.907	8.813	9.013	668.490	705.000	-5.2
2,4-DCAA	7.672	7.577	7.777	698.680	750.000	-6.8

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1216 **SAS No.:** Q1216 **SDG NO.:** Q1216

Continuing Calib Date: 02/01/2025 **Initial Calibration Date(s):** 01/14/2025 01/14/2025

Continuing Calib Time: 02:44 **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.:** Q1216 **SAS No.:** Q1216 **SDG NO.:** Q1216

Continuing Calib Date: 02/01/2025 **Initial Calibration Date(s):** 01/14/2025 01/14/2025

Continuing Calib Time: 02:44 **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)	9.81	9.81	9.71	9.91	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

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

Client Sample No.: CCAL02 Date Analyzed: 02/01/2025

Lab Sample No.: HSTDCCC750 Data File : PS029032.D Time Analyzed: 02:44

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.184	9.089	9.289	733.590	712.500	3.0
2,4-D	8.311	8.216	8.416	716.460	705.000	1.6
2,4-DCAA	7.194	7.097	7.297	756.460	750.000	0.9

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

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

Client Sample No.: CCAL02 Date Analyzed: 02/01/2025

Lab Sample No.: HSTDCCC750 Data File : PS029032.D Time Analyzed: 02:44

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.805	9.713	9.913	726.680	712.500	2.0
2,4-D	8.905	8.813	9.013	678.220	705.000	-3.8
2,4-DCAA	7.671	7.577	7.777	701.780	750.000	-6.4

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1216 **SAS No.:** Q1216 **SDG NO.:** Q1216

Continuing Calib Date: 02/01/2025 **Initial Calibration Date(s):** 01/14/2025 01/14/2025

Continuing Calib Time: 08:44 **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.:** Q1216 **SAS No.:** Q1216 **SDG NO.:** Q1216

Continuing Calib Date: 02/01/2025 **Initial Calibration Date(s):** 01/14/2025 01/14/2025

Continuing Calib Time: 08:44 **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.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

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

Client Sample No.: CCAL03 Date Analyzed: 02/01/2025

Lab Sample No.: HSTDCCC750 Data File : PS029044.D Time Analyzed: 08:44

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.181	9.089	9.289	707.890	712.500	-0.6
2,4-D	8.310	8.216	8.416	689.110	705.000	-2.3
2,4-DCAA	7.192	7.097	7.297	732.720	750.000	-2.3

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

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

Client Sample No.: CCAL03 Date Analyzed: 02/01/2025

Lab Sample No.: HSTDCCC750 Data File : PS029044.D Time Analyzed: 08:44

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.803	9.713	9.913	711.120	712.500	-0.2
2,4-D	8.905	8.813	9.013	659.830	705.000	-6.4
2,4-DCAA	7.670	7.577	7.777	685.780	750.000	-8.6

Analytical Sequence

Client: RU2 Engineering, LLC	SDG No.: Q1216
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	01/31/2025	20:44	PS029019.D	7.20	0.00
HSTDCCC750	HSTDCCC750	01/31/2025	21:08	PS029020.D	7.20	0.00
PB166428BL	PB166428BL	01/31/2025	22:44	PS029022.D	7.19	0.00
PB166428BS	PB166428BS	01/31/2025	23:08	PS029023.D	7.20	0.00
PB166356TB	PB166356TB	01/31/2025	23:32	PS029024.D	7.20	0.00
JPP-29.1-012825MS	Q1215-04MS	02/01/2025	00:20	PS029026.D	7.20	0.00
JPP-29.1-012825MSD	Q1215-04MSD	02/01/2025	00:44	PS029027.D	7.20	0.00
JPP-18.1-012825	Q1216-04	02/01/2025	01:32	PS029029.D	7.20	0.00
JPP-21.1-012825	Q1216-08	02/01/2025	01:56	PS029030.D	7.19	0.00
IBLK	IBLK	02/01/2025	02:20	PS029031.D	7.20	0.00
HSTDCCC750	HSTDCCC750	02/01/2025	02:44	PS029032.D	7.19	0.00
JPP-21.2-012825	Q1216-12	02/01/2025	03:56	PS029033.D	7.20	0.00
JPP-26.1-012825	Q1216-16	02/01/2025	04:20	PS029034.D	7.19	0.00
JPP-26.2-012825	Q1216-20	02/01/2025	04:44	PS029035.D	7.20	0.00
IBLK	IBLK	02/01/2025	07:56	PS029043.D	7.19	0.00
HSTDCCC750	HSTDCCC750	02/01/2025	08:44	PS029044.D	7.19	0.00

Analytical Sequence

Client: RU2 Engineering, LLC	SDG No.: Q1216
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	01/31/2025	20:44	PS029019.D	7.67	0.00
HSTDCCC750	HSTDCCC750	01/31/2025	21:08	PS029020.D	7.67	0.00
PB166428BL	PB166428BL	01/31/2025	22:44	PS029022.D	7.67	0.00
PB166428BS	PB166428BS	01/31/2025	23:08	PS029023.D	7.67	0.00
PB166356TB	PB166356TB	01/31/2025	23:32	PS029024.D	7.67	0.00
JPP-29.1-012825MS	Q1215-04MS	02/01/2025	00:20	PS029026.D	7.67	0.00
JPP-29.1-012825MSD	Q1215-04MSD	02/01/2025	00:44	PS029027.D	7.67	0.00
JPP-18.1-012825	Q1216-04	02/01/2025	01:32	PS029029.D	7.67	0.00
JPP-21.1-012825	Q1216-08	02/01/2025	01:56	PS029030.D	7.67	0.00
IBLK	IBLK	02/01/2025	02:20	PS029031.D	7.67	0.00
HSTDCCC750	HSTDCCC750	02/01/2025	02:44	PS029032.D	7.67	0.00
JPP-21.2-012825	Q1216-12	02/01/2025	03:56	PS029033.D	7.67	0.00
JPP-26.1-012825	Q1216-16	02/01/2025	04:20	PS029034.D	7.67	0.00
JPP-26.2-012825	Q1216-20	02/01/2025	04:44	PS029035.D	7.67	0.00
IBLK	IBLK	02/01/2025	07:56	PS029043.D	7.67	0.00
HSTDCCC750	HSTDCCC750	02/01/2025	08:44	PS029044.D	7.67	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JPP-29.1-012825MS

Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

Lab Sample ID: Q1215-04MS Date(s) Analyzed: 02/01/2025 02/01/2025

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	52.4	9
	2	8.91	8.86	8.96	47.9	
2,4,5-TP(Silvex)	1	9.18	9.13	9.23	50.6	22.6
	2	9.81	9.76	9.86	63.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JPP-29.1-012825MSD

Contract: RUTW01

Lab Code: CHEM Case No.: Q1216

SAS No.: Q1216 SDG NO.: Q1216

Lab Sample ID: Q1215-04MSD

Date(s) Analyzed: 02/01/2025 02/01/2025

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	52.5	9
	2	8.91	8.86	8.96	48.0	
2,4,5-TP(Silvex)	1	9.18	9.13	9.23	50.4	23.5
	2	9.81	9.76	9.86	63.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166428BS

Contract: RUTW01

Lab Code: CHEM

Case No.: Q1216

SAS No.: Q1216

SDG NO.: Q1216

Lab Sample ID: PB166428BS

Date(s) Analyzed: 01/31/2025

01/31/2025

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	5.20	10.1
	2	8.91	8.86	8.96	4.70	
2,4,5-TP(Silvex)	1	9.18	9.13	9.23	5.30	5.8
	2	9.81	9.76	9.86	5.00	