

## **ANALYTICAL RESULTS SUMMARY**

GC SEMI-VOLATILES

**PROJECT NAME : RFP 905A**

**WESTON SOLUTIONS, INC.**  
**1090 King Georges Post Road**  
**Suite 201**  
**Edison, NJ - 08837-3703**  
**Phone No: 732-585-4410**

**ORDER ID : Q2667**  
**ATTENTION : Smita Sumbaly**



**Laboratory Certification ID # 20012**



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## Cover Page

**Order ID :** Q2667

**Project ID :** RFP 905A

**Client :** Weston Solutions, Inc.

**Lab Sample Number**

Q2667-01  
Q2667-02

**Client Sample Number**

C0AP2  
C0AP3

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: 7/31/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## **CASE NARRATIVE**

**Weston Solutions, Inc.**

**Project Name: RFP 905A**

**Project # N/A**

**Order ID # Q2667**

**Test Name: TCLP Herbicide**

### **A. Number of Samples and Date of Receipt:**

2 Solid samples were received on 07/22/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: TCLP Herbicide. 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 #: 11324. The 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 were met for all analysis.

The Retention Times were met for all analysis.

The MS {Q2641-02MS} with File ID: PS031234.D recoveries met the requirements for all compounds except for [2,4,5-TP(Silvex)(1)155% - 2,4,5-TP(Silvex)(2)153%] and [2,4-D(1)161% - 2,4-D(2)172%] due to matrix interference.

The MSD {Q2641-02MSD} with File ID: PS031235.D recoveries met the requirements for all compounds except for [2,4,5-TP(Silvex)(1)148% - 2,4,5-TP(Silvex)(2)145%] and [2,4-D(1)152% - 2,4-D(2)162%] due to matrix interference.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

### **E. Additional Comments:**

#### **F. Calculation for water sample:**

$$\text{ug/l} = \frac{(A_x) (V_t) (MW)}{(ICF) (V_i) (V_s)} \times DF$$

Where:

A<sub>x</sub> = Area for the parameter to be measured.

ICF = average calibration factor for the calibration standards.

V<sub>t</sub> = Volume of total extract in uL (Take into account dilutions)

I<sub>s</sub> = Amount of standard injected in nanograms (ng)

V<sub>i</sub> = Volume of extract injected.

V<sub>s</sub> = Volume of Aqueous extracted (mL).

MW = molecular weight of the compound

#### **G. 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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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- 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 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

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q2667

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 Custody

✓

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: 07/31/2025

**Hit Summary Sheet**  
SW-846

**SDG No.:** Q2667

**Order ID:** Q2667

**Client:** Weston Solutions, Inc.

**Project ID:** RFP 905A

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





# SAMPLE DATA

## Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905A		Date Received:	07/23/25	
Client Sample ID:	PB168953TB		SDG No.:	Q2667	
Lab Sample ID:	PB168953TB		Matrix:	TCLP	
Analytical Method:	8151A		% 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
PS031240.D	1	07/23/25 11:45	07/24/25 21:29	PB169001

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
<b>TARGETS</b>						
94-75-7	2,4-D	9.20	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	7.80	U	7.80	20.0	ug/L
<b>SURROGATES</b>						
19719-28-9	2,4-DCAA	579		61 - 136	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 &gt;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:	Weston Solutions, Inc.		Date Collected:	07/21/25	
Project:	RFP 905A		Date Received:	07/22/25	
Client Sample ID:	C0AP2		SDG No.:	Q2667	
Lab Sample ID:	Q2667-01		Matrix:	TCLP	
Analytical Method:	8151A		% 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
PS031246.D	1	07/23/25 11:45	07/25/25 00:41	PB169001

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
<b>TARGETS</b>						
94-75-7	2,4-D	9.20	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	7.80	U	7.80	20.0	ug/L
<b>SURROGATES</b>						
19719-28-9	2,4-DCAA	487		61 - 136	97%	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:	Weston Solutions, Inc.		Date Collected:	07/21/25	
Project:	RFP 905A		Date Received:	07/22/25	
Client Sample ID:	C0AP3		SDG No.:	Q2667	
Lab Sample ID:	Q2667-02		Matrix:	TCLP	
Analytical Method:	8151A		% 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
PS031247.D	1	07/23/25 11:45	07/25/25 01:05	PB169001

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
<b>TARGETS</b>						
94-75-7	2,4-D	9.20	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	7.80	U	7.80	20.0	ug/L
<b>SURROGATES</b>						
19719-28-9	2,4-DCAA	483		61 - 136	97%	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

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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

## LAB CHRONICLE

<b>OrderID:</b>	Q2667	<b>OrderDate:</b>	7/22/2025 11:01:14 AM
<b>Client:</b>	Weston Solutions, Inc.	<b>Project:</b>	RFP 905A
<b>Contact:</b>	Smita Sumbaly	<b>Location:</b>	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
<b>Q2667-01</b>	<b>C0AP2</b>	<b>TCLP</b>	TCLP Herbicide	8151A	<b>07/21/25</b>	07/23/25	07/25/25	<b>07/22/25</b>
<b>Q2667-02</b>	<b>C0AP3</b>	<b>TCLP</b>	TCLP Herbicide	8151A	<b>07/21/25</b>	07/23/25	07/25/25	<b>07/22/25</b>



# SHIPPING DOCUMENTS



### 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