

## **Report of Analysis**

Client:  Chemtech Consulting Group  Date Collected:  10/15/24    Project:  LOD-LOQ Study  Date Received:  10/15/24    Client Sample ID:  PIBLK-PS027941.D  SDG No.:  P4368    Lab Sample ID:  1BLK-PS027941.D  Matrix:  WATER    Analytical Method:  SW8151A  % Solid:  0  Decanted:    Sample Wt/Vol:  1000  Units:  mL  Final Vol:  10000  uL    Soil Aliquot Vol:  uL  uL  Test:  Herbicide  Herbicide    Extraction Type:  1.0  PH :  Prep Mathod:  SW3510C  Prep Bate  Date Analyzed  Prep Batch ID    PS027941.D  1  1  10/15/24  ps101524  ps101524  TMIS    File ID/Qc Batch:  Dilution:  Prep Date  Date Analyzed  Prep Batch ID  ps101524    PS027941.D  1  10/15/24  ps101524  tMIS  MIS    TARGETS  Sumbler  Parametr  Conc.  Qualifier  MDL  LOQ / CRQL  Vinits    TARGETS  1  0.00  0.43  2.00									
Client Sample ID:  PIBLK-PS027941.D  SDG No.:  P4368    Lab Sample ID:  I.BLK-PS027941.D  Matrix:  WATER    Analytical Method:  SW8151A  % Solid:  0  Decanted:    Sample Wt/Vol:  1000  Units:  mL  Final Vol:  10000  uL    Soil Aliquot Vol:  uL  uL  Test:  Herbicide    Extraction Type:  1.0  PH :  Prep  Prep  Prep Method :  SW3510C    File ID/Qc Batch:  SW3510C  10/15/24  Prep Batch ID  ps101524  Viss    FS027941.D  1  Conc.  Qualifier  MDL  LOQ / CRQL  Units    PS027941.D  1  Conc.  Qualifier  MDL  LOQ / CRQL  Units    FNGEETS  10/15/24  ps101524  Units  Prep Patch ID  ps101524  Units    TARCETS  10/15/24  2.00  ug/L  0.43  2.00  ug/L    1918-00-9  DICAMBA  2.00  U  0.43  2.00  ug/L    1918-00-9  DICAMBA  2.00  U  0.43 <td>Client:</td> <td>Chemtech Con</td> <td>sulting Group</td> <td></td> <td></td> <td>Date Collected:</td> <td>10/15/24</td> <td></td> <td></td>	Client:	Chemtech Con	sulting Group			Date Collected:	10/15/24		
Lab Sample ID:I.BLK-PS027941.DMatrix:WATERAnalytical Method:SW8151A% Solid:0Decanted:Sample Wt/Vol:1000Units:mLFinal Vol:1000uLSoil Aliquot Vol:uLTest:HerbicideHerbicideExtraction Type:1.0PH :Injection Volume :Injection Volume :GPC Factor :1.0PH :Injection Volume :Injection Volume :Prep Method :SW3510CSW3510CInjection Volume :Injection Volume :File ID/Qc Batch:Dilution:Prep DateDate AnalyzedPrep Batch IDPS027941.D1Injection Volume :Injection Volume :Injection Volume :File ID/Qc Batch:Dilution:Prep DateDate AnalyzedPrep Batch IDPS027941.D1Injection Volume :Injection Volume :Injection Volume :FARGETSInjection Volume :Injection Volume :Injection Volume :Injection Volume :1918-00-9DICAMBA2.00U0.42QuOUg/L1918-00-9DICALOPROP2.00U0.432.00Ug/L194-75-72.4.5-TP2.00U0.452.00Ug/L94-75-72.4.5-TP (Silvex)2.00U0.452.00Ug/L93-76-52.4.5-TF2.00U0.572.00Ug/L94-82-62.4-DB2.00U0.572.00Ug/L94-85-7DINOSEB2.00U0.57	Project:	LOD-LOQ Stu	dy			Date Received:	10/15/24		
Analytical Method:  SW8151A  % Solid:  0  Decanted:    Sample Wt/Vol:  1000  Units:  mL  Final Vol:  10000  uL    Soil Aliquot Vol:  uL  Test:  Herbicide  Herbicide    Extraction Type:  1.0  PH :  Injection Volume :  Injection Volume :    GPC Factor :  1.0  PH :  Injection Volume :  Injection Volume :  Injection Volume :    Prep Method :  SW3510C  SW3510C  Injection Volume :  Injection Volume :  Injection Volume :  Injection Volume :    PS027941.D  1  Conc.  Qualifier  MDL  LOQ/CRQL  Units    TARGETS  Injection Support  2.00  U  0.43  2.00  ug/L    1918-00-9  DICALORPROP  2.00  U  0.45  2.00  ug/L    194-75-7  2.4-D  2.00  U  0.45  2.00  ug/L    93-76-5  2.4,5-TP (Silvex)  2.00  U  0.50  2.00  ug/L    93-76-5  2.4,5-T  2.00  U  0.55  2.00  ug/L	Client Sample ID:	PIBLK-PS027	941.D			SDG No.:	P4368		
Sample Wt/Vol:  1000  Units:  mL  Final Vol:  10000  uL    Soil Aliquot Vol:  uL  Test:  Herbicide    Extraction Type:  Injection Volume :  Injection Volume :  Injection Volume :    GPC Factor :  1.0  PH :  Prep Method :  SW3510C    File ID/Qc Batch:  Dilution:  Prep Date  Date Analyzed  Prep Batch ID    PS027941.D  1  10/15/24  ps101524  Units    TARGETS  Conc.  Qualifier  MDL  LOQ / CRQL  Units    1918-00-9  DICAMBA  2.00  U  0.43  2.00  ug/L    1918-00-9  DICAMBA  2.00  U  0.43  2.00  ug/L    1920-36-5  DICAMBA  2.00  U  0.43  2.00  ug/L    93-72-1  2.4,5-TP (Silvex)  2.00  U  0.45  2.00  ug/L    93-76-5  2.4,5-T  2.00  U  0.50  2.00  ug/L    93-76-5  2.4,5-T  2.00  U  0.55  2.00  ug/L    9	Lab Sample ID:	I.BLK-PS0279	41.D			Matrix:	WATER		
A  uL  Test:  Herbicide    Extraction Type:  1.0  PH :  Injection Volume :  Injection Volume :    GPC Factor :  1.0  PH :  Prep Method :  SW3510C  Injection Volume :  Injection Volume :    File ID/Qc Batch :  Dilution:  Prep Date  Date Analyzed  Prep Batch ID    PS027941.D  1  10/15/24  ps101524    TARGETS    1918-00-9  DICAMBA  2.00  U  0.42  2.00  ug/L    120-36-5  DICHLORPROP  2.00  U  0.43  2.00  ug/L    94-75-7  2,4-D  2.00  U  0.45  2.00  ug/L    93-72-1  2,4,5-TP (Silvex)  2.00  U  0.55  2.00  ug/L    93-76-5  2,4,5-T  2.00  U  0.57  2.00  ug/L    94-82-6  2,4-DB  2.00  U  0.55  2.00  ug/L    84-85-7  DINOSEB  2.00  U  0.55  2.00  ug/L	Analytical Method	: SW8151A				% Solid:	0	Decanted:	
A.  uL  Test:  Herbicide    Extraction Type:  1.0  PH :  Injection Volume :  Injection Volume :    GPC Factor :  1.0  PH :  Prep Method :  SW3510C  Injection Volume :  Injection Volume :    File ID/Qc Batch :  Dilution:  Prep Date  Date Analyzed  Prep Batch ID    PS027941.D  1  10/15/24  ps101524    TARGETS    1918-00-9  DICAMBA  2.00  U  0.42  2.00  ug/L    120-36-5  DICHLORPROP  2.00  U  0.43  2.00  ug/L    94-75-7  2,4-D  2.00  U  0.45  2.00  ug/L    93-72-1  2,4,5-TP (Silvex)  2.00  U  0.55  2.00  ug/L    93-76-5  2,4,5-T  2.00  U  0.57  2.00  ug/L    94-82-6  2,4-DB  2.00  U  0.55  2.00  ug/L    84-85-7  DINOSEB  2.00  U  0.55  2.00  ug/L	Sample Wt/Vol:	1000 Un	its: mL			Final Vol:	10000	uL	
A  Injection Volume :    Extraction Type:  1.0  PH :    GPC Factor :  1.0  PH :    Prep Method :  SW3510C    File ID/Qc Batch:  Dilution:  Prep Date  Date Analyzed  Prep Batch ID    PS027941.D  1  10/15/24  ps101524    Conc.  Qualifier  MDL  LOQ / CRQL  Units    TARGETS  1918-00-9  DICAMBA  2.00  U  0.43  2.00  ug/L    1918-00-9  DICAMBA  2.00  U  0.43  2.00  ug/L    94-75-7  2.4-D  2.00  U  0.45  2.00  ug/L    93-72-1  2.4,5-TP (Silvex)  2.00  U  0.50  2.00  ug/L    93-76-5  2.4,5-T  2.00  U  0.57  2.00  ug/L    94-82-6  2.4-DB  2.00  U  0.57  2.00  ug/L    94-82-6  2.4-DB  2.00  U  0.55  2.00  ug/L    94-82-6  2.4-DB  2.00  U  0.55  2.00	•		uL			Test <sup>.</sup>	Herbicide		
GPC Factor :  1.0  PH :    Prep Method :  SW3510C    File ID/Qc Batch:  Dilution:  Prep Date  Date Analyzed  Prep Batch ID    PS027941.D  1  IO/15/24  ps101524    CAS Number  Parameter  Conc.  Qualifier  MDL  LOQ / CRQL  Units    TARGETS  IO/15/24  2.00  U  0.42  2.00  ug/L    1918-00-9  DICAMBA  2.00  U  0.42  2.00  ug/L    120-36-5  DICHLORPROP  2.00  U  0.43  2.00  ug/L    94-75-7  2.4-D  2.00  U  0.45  2.00  ug/L    93-72-1  2.4,5-TP (Silvex)  2.00  U  0.50  2.00  ug/L    94-82-6  2.4,5-T  2.00  U  0.57  2.00  ug/L    94-82-6  2.4-DB  2.00  U  0.55  2.00  ug/L    94-82-7  DINOSEB  2.00  U  0.55  2.00  ug/L    94-82-6  2.4-DB  2.00  U  0.55			412						
Prep Method :  SW3510C    File ID/Qc Batch:  Dilution:  Prep Date  Date Analyzed  Prep Batch ID    PS027941.D  1  10/15/24  ps101524    CAS Number  Parameter  Conc.  Qualifier  MDL  LOQ / CRQL  Units    TARGETS		1.0	рц.			injection volume .			
File ID/Qc Batch:  Dilution:  Prep Date  Date Analyzed  Prep Batch ID    PS027941.D  1  10/15/24  ps101524    CAS Number  Parameter  Conc.  Qualifier  MDL  LOQ / CRQL  Units    TARGETS  1  1  0.42  2.00  ug/L    120-36-5  DICHLORPROP  2.00  U  0.43  2.00  ug/L    94-75-7  2,4-D  2.00  U  0.49  2.00  ug/L    93-76-5  2,4,5-TP (Silvex)  2.00  U  0.45  2.00  ug/L    94-82-6  2,4-DB  2.00  U  0.57  2.00  ug/L    94-85-7  DINOSEB  2.00  U  0.57  2.00  ug/L    94-85-7  DINOSEB  2.00  U  0.55  2.00			F11 .						
PS027941.D    1    10/15/24    ps101524      CAS Number    Parameter    Conc.    Qualifier    MDL    LOQ / CRQL    Units      TARGETS    1918-00-9    DICAMBA    2.00    U    0.42    2.00    ug/L      120-36-5    DICHLORPROP    2.00    U    0.43    2.00    ug/L      94-75-7    2,4-D    2.00    U    0.45    2.00    ug/L      93-72-1    2,4,5-TP (Silvex)    2.00    U    0.45    2.00    ug/L      93-76-5    2,4,5-T    2.00    U    0.50    2.00    ug/L      94-82-6    2,4-DB    2.00    U    0.57    2.00    ug/L      94-82-6    2,4-DB    2.00    U    0.55    2.00    ug/L      88-85-7    DINOSEB    2.00    U    0.55    2.00    ug/L      surrocates    V    0.55    2.00    ug/L    100    100	Prep Method :	SW3510C							
CAS Number    Parameter    Conc.    Qualifier    MDL    LOQ / CRQL    Units      TARGETS      1918-00-9    DICAMBA    2.00    U    0.42    2.00    ug/L      120-36-5    DICHLORPROP    2.00    U    0.43    2.00    ug/L      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      93-76-5    2,4,5-T    2.00    U    0.50    2.00    ug/L      94-82-6    2,4-DB    2.00    U    0.57    2.00    ug/L      88-85-7    DINOSEB    2.00    U    0.55    2.00    ug/L      SURROGATES    V    V    0.55    2.00    ug/L	File ID/Qc Batch:	Dilution:	Prep	Prep Date		Date Analyzed	Prep Batch ID		
TARGETS  1918-00-9  DICAMBA  2.00  U  0.42  2.00  ug/L    120-36-5  DICHLORPROP  2.00  U  0.43  2.00  ug/L    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    93-76-5  2,4,5-T  2.00  U  0.50  2.00  ug/L    94-82-6  2,4-DB  2.00  U  0.57  2.00  ug/L    88-85-7  DINOSEB  2.00  U  0.55  2.00  ug/L    SURROGATES  V  0.55  2.00  ug/L  0.55  0.00  0.55	PS027941.D	1				10/15/24	ps10	01524	
1918-00-9DICAMBA2.00U0.422.00ug/L120-36-5DICHLORPROP2.00U0.432.00ug/L94-75-72,4-D2.00U0.492.00ug/L93-72-12,4,5-TP (Silvex)2.00U0.452.00ug/L93-76-52,4,5-T2.00U0.502.00ug/L94-82-62,4-DB2.00U0.572.00ug/L88-85-7DINOSEB2.00U0.552.00ug/L	CAS Number	Parameter	Conc.	Qualifier	MDL		LOQ / C	RQL	Units
1918-00-9DICAMBA2.00U0.422.00ug/L120-36-5DICHLORPROP2.00U0.432.00ug/L94-75-72,4-D2.00U0.492.00ug/L93-72-12,4,5-TP (Silvex)2.00U0.452.00ug/L93-76-52,4,5-T2.00U0.502.00ug/L94-82-62,4-DB2.00U0.572.00ug/L88-85-7DINOSEB2.00U0.552.00ug/L	TARGETS								
94-75-72,4-D2.00U0.492.00ug/L93-72-12,4,5-TP (Silvex)2.00U0.452.00ug/L93-76-52,4,5-T2.00U0.502.00ug/L94-82-62,4-DB2.00U0.572.00ug/L88-85-7DINOSEB2.00U0.552.00ug/LSURROGATES		DICAMBA	2.00	U	0.42		,	2.00	ug/L
93-72-1  2,4,5-TP (Silvex)  2.00  U  0.45  2.00  ug/L    93-76-5  2,4,5-T  2.00  U  0.50  2.00  ug/L    94-82-6  2,4-DB  2.00  U  0.57  2.00  ug/L    88-85-7  DINOSEB  2.00  U  0.55  2.00  ug/L	120-36-5	DICHLORPROP	2.00	U	0.43			2.00	ug/L
93-76-5  2,4,5-T  2.00  U  0.50  2.00  ug/L    94-82-6  2,4-DB  2.00  U  0.57  2.00  ug/L    88-85-7  DINOSEB  2.00  U  0.55  2.00  ug/L    SURROGATES	94-75-7	2,4-D	2.00	U	0.49			2.00	ug/L
94-82-6  2,4-DB  2.00  U  0.57  2.00  ug/L    88-85-7  DINOSEB  2.00  U  0.55  2.00  ug/L    SURROGATES	93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45		,	2.00	ug/L
88-85-7    DINOSEB    2.00    U    0.55    2.00    ug/L      SURROGATES   <	93-76-5	2,4,5-T	2.00	U	0.50		, -	2.00	ug/L
SURROGATES	94-82-6	2,4-DB	2.00	U	0.57		,	2.00	ug/L
	88-85-7	DINOSEB	2.00	U	0.55			2.00	ug/L
		2,4-DCAA	529		39 - 175			106%	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

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration

was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit