

DATA PACKAGE

GENERAL CHEMISTRY

PROJECT NAME : JOINT BASE MCGUIRE DIX LAKEHURST JBMDL - DOD

WESTON SOLUTIONS 1400 Weston Way PO Box 2653 West Chester, PA - 19380 Phone No: 610-701-7400

ORDER ID : Q1777 ATTENTION : Nathan Fretz



Laboratory Certification ID # 20012



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Cover Page

- **Order ID :** Q1777
- Project ID : Joint Base McGuire Dix Lakehurst JBMDL DoD
 - Client : Weston Solutions

Lab Sample Number	Client Sample Number
Q1777-01	AT054P-SD41-040825-00
Q1777-02	AT054P-SD40-040825-00
Q1777-03	AT054P-SD39-040825-00
Q1777-04	AT054P-SD38-040825-00
Q1777-05	AT054P-SD42-040825-00
Q1777-06	SS050P-SD20-040825-00
Q1777-07	SS050P-SD26-040825-00
Q1777-08	SS050P-SD08-040825-00
Q1777-09	SS050P-SD07-040825-00
Q1777-10	SS050P-SD06-040825-00
Q1777-11	SS057P-SD06-040825-00
Q1777-12	SS057P-SD05-040825-00

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: 4/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

21

Weston Solutions Project Name: Joint Base McGuire Dix Lakehurst JBMDL - DoD Project # N/A Chemtech Project # Q1777 Test Name: TOC

A. Number of Samples and Date of Receipt:

12 Solid samples were received on 04/10/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: TOC. This data package contains results for TOC.

C. Analytical Techniques:

The analysis of TOC was based on method Lloyd Kahn.

D. QA/ QC Samples:

The Holding Times were met for all analysis. The Blank Spike met requirements for all samples. The Duplicate analysis met criteria for all samples. The Matrix Spike analysis met criteria for all samples. The Matrix Spike Duplicate analysis met criteria for all samples. The Blank analysis did not indicate the presence of lab contamination. The Calibration met the requirements.

E. Additional Comments:

Lab has used least representable sample weight for the samples Q1777-01, Q1777-02, Q1777-03, Q1777-04, Q1777-05, Q1777-07 and Q1777-11 for TOC analysis. Therefore Lab has reported the TOC result with "OR" qualifier.

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- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).					
U	Indicates the analyte was analyzed for, but not detected.					
ND	Indicates the analyte was analyzed for, but not detected					
Ε	Indicates the reported value is estimated because of the presence of interference					
Μ	Indicates Duplicate injection precision not met.					
Ν	Indicates the spiked sample recovery is not within control limits.					
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).					
*	Indicates that the duplicate analysis is not within control limits.					
+	Indicates the correlation coefficient for the MSA is less than 0.995.					
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.					
M OR	 Method qualifiers "P" for ICP instrument "PM" for ICP when Microwave Digestion is used "CV" for Manual Cold Vapor AA "AV" for automated Cold Vapor AA "CA" for MIDI-Distillation Spectrophotometric "AS" for Semi – Automated Spectrophotometric "C" for Manual Spectrophotometric "T" for Titrimetric "NR" for analyte not required to be analyzed Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis. 					
Q	Indicates the LCS did not meet the control limits requirements					
Н	Sample Analysis Out Of Hold Time					



APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1777

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)	<u> </u>
Check chain-of-custody for proper relinquish/return of samples	
Is the chain of custody signed and complete	<u> </u>
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	<u> </u>
Collect information for each project id from server. Were all requirements followed	<u> </u>
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	<u> </u>
Do lab numbers and client Ids on cover page agree with the Chain of Custody	<u> </u>
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	<u> </u>
Do requested analyses on Chain of Custody agree with the log-in page	<u> </u>
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	
Were the samples received within hold time	<u> </u>
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	<u> </u>
ANALYTICAL:	
Was method requirement followed?	<u> </u>
Was client requirement followed?	<u> </u>
Does the case narrative summarize all QC failure?	
All runlogs and manual integration are reviewed for requirements	<u> </u>
All manual calculations and /or hand notations verified	<u> </u>

QA Review Signature: SOHIL JODHANI



A B C D

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LAB CHRONICLE

OrderID: Client: Contact:	Q1777 Weston Solutions Nathan Fretz	n Solutions Project: Joint Base McGuire Dix Lakehurst JBMDL - DoD					oD	
LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1777-01	AT054P-SD41-040825 -00	SOIL			04/08/25 08:20			04/10/25
			TOC	Lloyd Kahn			04/15/25 09:42	
Q1777-02	AT054P-SD40-040825 -00	SOIL			04/08/25 08:40			04/10/25
			ТОС	Lloyd Kahn			04/15/25 10:03	
Q1777-03	AT054P-SD39-040825 -00	SOIL			04/08/25 08:55			04/10/25
			TOC	Lloyd Kahn			04/15/25 10:14	
Q1777-04	AT054P-SD38-040825 -00	SOIL			04/08/25 09:10			04/10/25
			ТОС	Lloyd Kahn			04/15/25 10:28	
Q1777-05	AT054P-SD42-040825 -00	SOIL			04/08/25 09:30			04/10/25
			ТОС	Lloyd Kahn			04/15/25 10:44	
Q1777-06	SS050P-SD20-040825 -00	SOIL			04/08/25 10:05			04/10/25
			ТОС	Lloyd Kahn			04/15/25 10:55	
Q1777-07	SS050P-SD26-040825 -00	SOIL			04/08/25 10:45			04/10/25
			тос	Lloyd Kahn			04/15/25 12:08	



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1				

A B C

D

			LAB CHRO	NICLE		
Q1777-08	SS050P-SD08-040825 -00	SOIL		04/08/25 10:55	04	4/10/25
			TOC	Lloyd Kahn	04/15/25 12:17	
Q1777-09	SS050P-SD07-040825 -00	SOIL		04/08/25 11:15	04	4/10/25
			TOC	Lloyd Kahn	04/15/25 12:26	
Q1777-10	SS050P-SD06-040825 -00	SOIL		04/08/25 11:35	04	4/10/25
			ТОС	Lloyd Kahn	04/15/25 12:43	
Q1777-11	SS057P-SD06-040825 -00	SOIL		04/08/25 12:40	04	4/10/25
			тос	Lloyd Kahn	04/15/25 12:55	
Q1777-12	SS057P-SD05-040825 -00	SOIL		04/08/25 12:50	04	/10/25
			тос	Lloyd Kahn	04/15/25 13:27	





A B C D



Client:	Wes	Weston Solutions Joint Base McGuire Dix Lakehurst JBMDL - DoD					D	Date Collected:	04/08/25	08:20
Project:	Join						D Date Received:		04/10/25	
Client Sample ID:	AT0	AT054P-SD41-040825-00					S	DG No.:	Q1777	
Lab Sample ID:	Q17	77-01					Ν	Aatrix:	SOIL	
							%	% Solid:	64.5	
rameter	Conc.	Oua.	DF	MDL	LOD	LOO/CROL	Units(Dry Weigh	ht) Pren Date	Date Ana.	Ana Met.

- U = Not Detected
- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- D = Dilution
- Q = indicates LCS control criteria did not meet requirements
- H = Sample Analysis Out Of Hold Time

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- * = indicates the duplicate analysis is not within control limits.
- E = Indicates the reported value is estimated because of the presence of interference.
- OR = Over Range
- N =Spiked sample recovery not within control limits



	Report of Analy	/SIS		
Client:	Weston Solutions	Date Collected:	04/08/25 08:40	٦
Project:	Joint Base McGuire Dix Lakehurst JBMDL - DoD	Date Received:	04/10/25	
Client Sample ID:	AT054P-SD40-040825-00	SDG No.:	Q1777	
Lab Sample ID:	Q1777-02	Matrix:	SOIL	
		% Solid:	19.8	J
arameter	Conc. Qua. DF MDL LOD LOQ/CRQL Units	Dry Weight) Prep Date	Date Ana. Ana Met.	
TOC	68100 OR 1 43.4 50.0 250	mg/Kg	04/15/25 10:03 Lloyd Kahn	_

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	Client:	Weston Solutions Date Collected:	04/08/25 08:55	
	Project:	Joint Base McGuire Dix Lakehurst JBMDL - DoD Date Received:	04/10/25	C
	Client Sample ID:	AT054P-SD39-040825-00 SDG No.:	Q1777	D
	Lab Sample ID:	Q1777-03 Matrix:	SOIL	
		% Solid:	49.6	J
]	Parameter	Conc. Qua. DF MDL LOD LOQ/CRQL Units(Dry Weight) Prep Date	Date Ana. Ana Met.	
1	ГОС	29000 OR 1 43.4 50.0 250 mg/Kg	04/15/25 10:14 Lloyd Kahn	

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	Client:	Weston Solutions Date Collected:		С
	Project:	Joint Base McGuire Dix Lakehurst JBMDL - DoD Date Received:	04/10/25	
	Client Sample ID:	AT054P-SD38-040825-00 SDG No.:	Q1777	D
	Lab Sample ID:	Q1777-04 Matrix:	SOIL	
		% Solid:	59.7	
]	Parameter	Conc. Qua. DF MDL LOD LOQ / CRQL Units(Dry Weight) Prep Date	Date Ana. Ana Met.	
1	ГОС	32500 OR 1 43.4 50.0 250 mg/Kg	04/15/25 10:28 Lloyd Kahn	

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~						_			
Client:	Weston	Soluti	ons			Ι	Date Collected:	04/08/25	09:30
Project:	Joint B	ase Mc	Guire Dix	Lakehuı	rst JBMDL - DoE) I	Date Received:	04/10/25	
Client Sample ID:	AT0541	P-SD42	2-040825-0	0		S	SDG No.:	Q1777	
Lab Sample ID:	Q1777-	05				Ν	Matrix:	SOIL	
						0	% Solid:	34.8	
arameter	Conc. Qu	1a. I	OF MDL	LOD	LOQ / CRQL	Units(Dry Weig	ht) Prep Date	Date Ana.	Ana Met.
OC	27100 0	OR 1	43.4	50.0	250	mg/Kg		04/15/25 10:4	4 Lloyd Kahn

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Parameter	Conc. Qua.	DF MDL	LOD	LOQ / CRQL	Units(Dry Weight) Prep Date	Date Ana.	Ana Met.	
					% Solid:	76.6		
Lab Sample ID:	Q1777-06				Matrix:	SOIL		
Client Sample ID:	SS050P-SE	020-040825-00	C		SDG No.:	Q1777		D
Project:	Joint Base	McGuire Dix	Lakehur	st JBMDL - DoE	Date Received:	04/10/25		
Client:	Weston Sol	utions			Date Collected:	04/08/25 1	0:05	B

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	Client: Project:		on Solı Base M			[akehur	st JBMDL - DoE	Date Co Date Re		04/08/25 10 04/10/25	0.40	С
	Client Sample ID:				0825-00		St JDIVIDE - DOL	SDG No		Q1777		D
	Lab Sample ID:	Q177	77-07					Matrix:		SOIL		
								% Solid	:	56.7		J
]	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight) Pro	ep Date	Date Ana.	Ana Met.	
	TOC	28600	OR	1	43.4	50.0	250	mg/Kg		04/15/25 12:08	Lloyd Kahn	

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				Re	eport of A	nalysis				
Client:	Weston Sol	lutions				Dat	te Collected:	04/08/25	10:55	
Project:	Joint Base	McGuire	e Dix L:	akehur	st JBMDL - DoD	Dat	te Received:	04/10/25		
Client Sample ID:	SS050P-SI	008-040	825-00			SD	G No.:	Q1777		
Lab Sample ID:	Q1777-08					Ma	trix:	SOIL		
						% \$	Solid:	79.5		
arameter	Conc. Qua.	DF N	MDL	LOD	LOQ / CRQL	Units(Dry Weight)) Prep Date	Date Ana.	Ana Met.	
TOC	4430	1 4	43.4	50.0	250	mg/Kg		04/15/25 12:17	7 Lloyd Kahn	

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	TOC	4120	1 43.4	50.0	250	mg/Kg	04/15/25 12:26		
1	Parameter	Conc. Oua.	DE MDI	LOD		Units(Dry Weight) Prep Dat	te Date Ana.	Ana Met.	
						% Solid:	82.2		
	Lab Sample ID:	Q1777-09				Matrix:	SOIL		
	Client Sample ID:	SS050P-SE	007-040825-0	0		SDG No.:	Q1777		D
	Project:	Joint Base 1	McGuire Dix	Lakehur	st JBMDL - DoE	Date Received	l: 04/10/25		
	Client:	Weston Sol	utions			Date Collected	d: 04/08/25 1	1:15	B
- (

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04/15/25 12:43 Lloyd Kahn	
Date Date Ana. Ana Met.	
84.6	
SOIL	
Q1777	
ved: 04/10/25	- Ľ
eted: 04/08/25 11:35	
ted: 04/08/2	25 11:35

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1	Parameter TOC	Conc. Qua. DF MDL LOD LOQ / CRQL Units(Dry Weight) Prep Da 16700 OR 1 43.4 50.0 250 mg/Kg	te Date Ana. Ana Met. 04/15/25 12:55 Lloyd Kahn	
		% Solid:	49.2	
	Lab Sample ID:	Q1777-11 Matrix:	SOIL	
	Client Sample ID:	SS057P-SD06-040825-00 SDG No.:	Q1777	
	Project:	Joint Base McGuire Dix Lakehurst JBMDL - DoD Date Received	d: 04/10/25	
	Client:	Weston Solutions Date Collecte	d: 04/08/25 12:40	C

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			Re	port of A	nalysis				
Client:	Weston Solutio	ons			Т	Date Collected:	04/08/25	12:50	٦
Project:	Joint Base McC		akehurst	JBMDL - DoD	_	Date Received:	04/10/25		
Client Sample ID:	SS057P-SD05-	-040825-00			S	SDG No.:	Q1777		
Lab Sample ID:	Q1777-12				Ν	Matrix:	SOIL		
					0	% Solid:	70.4		J
arameter	Conc. Qua. D	F MDL	LOD	LOQ / CRQL	Units(Dry Weig	ht) Prep Date	Date Ana.	Ana Met.	
OC	9200 1	43.4	50.0	250	mg/Kg		04/15/25 13:27	Lloyd Kahn	

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<u>QC RESULT</u> <u>SUMMARY</u>

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A B C D



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

Initial and Continuing Calibration Verification

Client: Project:	Weston Solutions Joint Base McGuire	Dix Lakel	uurst IBMDI	- DoD		SDG No.: Q1777 RunNo.: LB1354	.97
Analyte	Joint Dase Westure	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: TOC	ICV1	mg/L	1030	1000	103	90-110	03/14/2025
Sample ID: TOC	CCV1	mg/L	994	1000	99	90-110	04/15/2025
Sample ID: TOC	CCV2	mg/L	1060	1000	106	90-110	04/15/2025
Sample ID: TOC	CCV3	mg/L	1060	1000	106	90-110	04/15/2025

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B

D



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

Client: Project:	Weston Solutio		ehurst JBMDL ·	- DoD		SDG RunN		27
Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: TOC	ICB1	mg/L	< 125.0000	125.0000	U	32.1	250	03/14/2025
Sample ID: TOC	CCB1	mg/L	< 125.0000	125.0000	U	32.1	250	04/15/2025
Sample ID: TOC	CCB2	mg/L	< 125.0000	125.0000	U	32.1	250	04/15/2025
Sample ID: TOC	CCB3	mg/L	< 125.0000	125.0000	U	32.1	250	04/15/2025

Initial and Continuing Calibration Blank Summary

5

A B C

D



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

5

A B C D

Preparation Blank Summary

Client:	Weston Solutions				SDG No.:	Q1777	
Project:	Joint Base McGuire Dix Lake	nurst JBMDL - Dol	D				
Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: TOC	LB135427BLS mg/Kg	< 125.0000	125.0000	U	43.4	250	04/15/2025



Matrix Spike Summary

Client:	Weston Solutions	Die Laberhaust I		SDG No.:	Q1777	C			
Project:	Joint Base McGuire	Dix Lakehurst J	BMDL - DOD	Sample ID:	Q1777-0	5			
Client ID:	SS050P-SD20-040825-	00MS		Percent Soli	ds for Spike Samj	ole:	76.6		
		Acceptance	Spiked Conc.	Sample Co	nc. Spike	Dilution	%		Analysis
ılyte	Units	Acceptance Limit %R	Spiked Conc. Result Quali	1	nc. Spike aalifier Added	Dilution Factor	% Rec	Qual	Analysis Date

5

B C D



Matrix Spike Summary

Client ID: S	SS050P-SD20-040825-(00MSD			Percent	Solids for S	Snike Samr	10.	76.6		
		050P-SD20-040825-00MSD				Sonus IVI (spike Samp	лс.	/0.0		
		Acceptance	Spiked	Conc.	Sample	Conc.	Spike	Dilution	%		Analysis
lyte	Units	Limit %R	Result	Qualifier	Result	Qualifier	Added	Factor	Rec	Qual	Date

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A B C D

Q1777



A B C D

Duplicate Sample Summary

ıalyte	Units	Acceptance Limit	Sample Result		Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
	550501-5020-040025-		<u> </u>	6		•	•		.0	
Client ID:	SS050P-SD20-040825-	.00MSD			Percent Sol		va Samnla.	76	6	
Project:	Joint Base McGuire Di	x Lakehurst JBM	DL - DoD		Sample ID:	0	1777-06			
Client:	Weston Solutions				SDG No.:	Q1'	777			



A B C D

Client: Project:	Weston Solutions Joint Base McGuire	SolutionsSDG No.:se McGuire Dix Lakehurst JBMDL - DoDRun No.:			Q1777 LB135427				
Analyte		Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID TOC	LB135427BSS	mg/Kg	1000	1030		103	1	90-110	04/15/2025



<u>SHIPPING</u> DOCUMENTS

6

Weston COC ID					
MG_Chemtech_20250408_1640					

Chain of Custody Record/Lab Work Request

Page 1 of 1

ATEN

													AVOID DE LE COMPANY
			Project Name			Project	Project POC: Kent Alexander			Matrix Codes			
	Bob	McGlade			PO Number 0111638 Phone:			720-474-45	500	SB - Soil			
et Address:	1400 Weston Way	City:	West C	Chester	W.O. #: 03886.555.001 PC			POC e-mai	POC e-mail: kent.alexander@westonsolutions.com			SS - Soil	
Phone:	610-701-3133	ST, ZIP:	PA, 1	9038	Lab	Ch	Chemtech			Lab POC:			SE - Sediment
e-mail: r.mcglade@westonsolutions.com			m	TAT (days):		14			Lab Phone: (908) 728-3144			SO - Solid	
Sampled By: Katie Rembert			Lab Address:		2	84 Sheffield	St. Mountainsic	le, NJ 070			SL - Sludge		
							1		TT	TT			GW - Groundwater
Lab Use Only					Ê			-					
n received (°	C)			1			Kat						W - Water
d unbroken o	n outer package?	Y	N		Analyses	Requested:	-loyo						A ~ Air
		Y		1			0						DS - Drum Solids
bels indicate properly preserved? aceived within holding times? screpancies between sample labels and COC record?				1			μ¥						DL - Drum Liquids
						Contain on Taxa	-						L - EP/TCLP Leachate
				-									WI- Wipe
]			h				
						Preservative:	6C						F - Fish
			MS/	MSD	Date Collected	Time Collected						S	pecial Instructions/Comments
	G	SD	n	0	4/8/2025	• 8:20	1						
	G	SD	n	10	4/8/2025	Ø 8:40	1						
25-00	G	SD	N	lo	4/8/2025	e 8:55	1						
25-00	G	SD	n	10	4/8/2025	Ø 9:10	1						
5-00	G	SD	n	10	4/8/2025	8 9:30	1						
25-00	G	SD	n	10	4/8/2025	£ 10:05	1						
5-00	G	SD	n	0	4/8/2025	Ø 10:45	1						
5-00	G	SD	n	0	4/8/2025	Q 10:55	1		+				
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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