Case:	SDG:		
VOA/SV/Pest/PCB			
	COMPLETE SDG FILE (CSF) AUDIT		
Organic Fractions:			
Missing Information	Date Lab Contacted	Date Received	
<u></u>		1 <u>4</u> 00	
		an south a state of the state o	

Validator:

Date:

EPA-NE - Data Validation VOA/SV/Pest/PCB-I

Sampler: _____

Case: _____

SDG: Company:_____

Contacted: Yes No

Date:

PRESERVATION AND HOLDING TIMES - Circle sample numbers with exceeded technical holding times or omitted preservation. List all required preservation codes and circle omitted preservation codes. Circle all exceeded technical holding times. I.

Identify extraction technique after "# of Days"/(*Extraction Code).

2	T	I			VOA	3.017 200			BNA					PEST/PCB	MDNNAF FEU	
Sample No. (TR No.)	Matrix	Pres. Code	Date Sampled	Date Analyzed	# of Days from Sampling to Analysis	Action	Date Extracted	# of Days from Sampling to Extr./(*)	Date Analyzed	# of Days from Sampling to Anal.	Action	Date Extracted	# of Days from Sampling to Extr/.(*)	Date Analyzed	# of Days from Sampling to Anal.	Action
									- 234-22-0-0-							
- 2011/12/01/01																
017/0014			<u> </u>													
Second en													an			-
											-					
			ſ													

Preservation Code:

- 1. Cool @ 4°C (± 2°) 2. Preserve with HCl to at least pH 2
- 3. Protect from light
- 4. Freeze

5. Room Temperature (Avoid excessive heat)

(*Extraction Code:)

- L/L Liquid/Liquid SON - Sonication SEP - Separatory Funnel SOX - Soxhlet SPE - Solid Phase Extraction

Action Code:

Estimate (J) Detected Values J -

- UJ -Estimate (UJ) Non-Detected Values
- Reject (R) Non-Detected Values R -

Validator:

-			
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C	as	C	

VOA/SV-II-A

SDG:_____

II A. GC/MS INSTRUMENT PERFORMANCE CHECK – (TUNING)

Note: NOT for Selected Ion Monitoring (SIM) Analysis

List all Instrument Performance Checks that are outside method QC tuning acceptance criteria.

VOA Instrument Performance Check (Compound Name)	Analysis Date and Time	Instrument	Ions Affected	Percent Relative Abundance	QC Limits	Samples Affected	Action
Comments:							
SV Instrument Performance Check (Compound Name)	Analysis Date and Time	Instrument	Ions Affected	Percent Relative Abundance	QC Limits	Samples Affected	Action
Performance Check	Date and	Instrument	Ions Affected	Relative	QC Limits	Samples Affected	Action
Performance Check	Date and	Instrument	Ions Affected	Relative	QC Limits	Samples Affected	Action
Performance Check	Date and	Instrument	Ions Affected	Relative	QC Limits	Samples Affected	Action
Performance Check	Date and		Ions Affected	Relative	QC Limits	Samples Affected	Action

If tuning compounds and criteria are different from those specified in CLP SOW SOM01.2, the validator should include a copy of the method-specific tuning criteria with this worksheet.

Validator:_____

SDG: Case:

VOA/SV-II-B

II B. GC/MS INSTRUMENT PERFORMANCE CHECK - 12-hour clock

List all Instrument Performance Checks and/or calibration standards that were analyzed beyond the 12-hour requirement.

Fraction (VOA or SV)	Tune Standard or CCV ID	Injection Date and Time	Time Elapsed (hours)	Samples Affected	Action
			-		

Validator:

Case:_____

SDG:_____

Pest/PCB-II-A

II A. GC/ECD INSTRUMENT PERFORMANCE CHECK - Resolution - List all analytes that are outside resolution criteria.

RCM (Section II)	Date/Time	Instr.	Column	Compound	% Resolution	Samples Affected	Action
		Concernence of the					
		-					
		1					
PEM (Section II and IV)							
	1 C 1		1				
	1						
2 7 2	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	and the second second		
INDA & B (Section III)	1.1.1.1.1.1.1.1						
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INDA & B (Section IV)				[
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Validator:_____

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SDG:_____

Pest/PCB-II-B

II B. GC/ECD INSTRUMENT PERFORMANCE CHECK - Retention Times - List all analytes that exceed retention time criteria.

Date/Time	Instr.	Column	Compound	RT Window	RT	Samples Affected	Action
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	the state						
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	12000						
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	0						
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			2				
1	1			1. 2			
			5				
		(2		
1.	1.1.1.1		1				
-	1						
		· · · · · · · · ·					
							1.0
	Date/Time	Date/Time Instr.	Date/Time Instr. Column 	Date/Time Instr. Column Compound	Date/TimeInstr.ColumnCompoundRT WindowImage: ColumnImage: Column <t< td=""><td>Date/Time Instr. Column Compound RT Window RT Image: Second S</td><td>Date/TimeInstr.ColumnCompoundRT WindowRTSamples AffectedImage: Samples Affected<!--</td--></td></t<>	Date/Time Instr. Column Compound RT Window RT Image: Second S	Date/TimeInstr.ColumnCompoundRT WindowRTSamples AffectedImage: Samples Affected </td

Validator:

Date:

4

1/13

Case:

SDG:_____

Pest/PCB-II-C

II C. GC/ECD INSTRUMENT PERFORMANCE CHECK - Accuracy Check of Initial Calibration

List all analytes that are outside the %D criteria.

PEM Sample ID	Date/Time	Instr.	Column	Compound	%D	Samples Affected	1.1	Action
		100000						
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	N.C							
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	14							
	1							
	()							
		-						

Case:_

SDG:____

Pest/PCB-II-D

II D. GC/ECD INSTRUMENT PERFORMANCE CHECK - Pesticide Degradation - List all analytes that exceed degradation criteria.

PEM (Section II)	Date/Time	Instr.	Column	DDT, Endrin, or Combined	% Breakdown	DDD, DDE, Endrin ketone, Endrin aldehyde Present	Samples Affected	Action
14								
PEM (Section IV)								-
				2				
		1						

Validator:

Date:

1/13

Case:__

SDG:

Pest/PCB-III III. INITIAL CALIBRATION - List all analytes that are outside calibration criteria.

INDA/INDB, INDC, or Multicomponent	Date	Instrument	Column	Analytes	Recalculated RT Window	%RSD	Samples Affected	Action
A. % RSD Linearity								
			in the second		-	1		-
	1		· · · · · ·		1			
						ñ		
	-				-			
	L							
B. Retention Time Wi	indows				1			
						1.1		
					0			Phil -
		-						
	-				-			
		1	1		1			
								100
	-							
					-			
Did the laboratory fo	llow the con	rect analytical	sequence?					Y

Did the laboratory follow the correct analytical sequence?

Did the laboratory analyze the initial calibration at the appropriate concentration levels?

Y N

Case:

SDG:_____

VOA/SV-III

III. INITIAL CALIBRATION - List all analytes that are outside calibration criteria.

Date of ICAL	Instrument	Fraction	Matrix	Compound	%RSD	RRF*	Samples Affected	Action (Detect/ND
			1.00					
-					_			
					-			
					-			
		1.00						
						1		
					-			
-								
			1		-			
		(· · · · · · · · · · · · · · · · · · ·					
omments:	1							
RRF and	average RRF							
Did the la	boratory follo	w the corre	ect 12-hour clo	ock analytical sequent	ce? If no, fill	out Workshee	et VOA/SV-II B.	YN

Validator:

Case:_____

SDG:_____

Pest/PCB-IV-A

IV A. CALIBRATION VERIFICATION - Accuracy Check (%D) - List all analytes that are outside calibration criteria.

Standard ID	Date	Time	Instrument	Column	Analyte	%D	Samples Affected	Action (Detect/ND)
		· · · · · ·						
			1					
					1			
		1						
	1							
				5				
		-		7				
		-					÷.	

Validator:

Case:_____

SDG:_____

Pest/PCB-IV-B

IV B. CALIBRATION VERIFICATION - Time Elapsed - List all non-compliant standards.

Fraction (PEST or PCB)	Instrument and Column ID	Instrument Blank or Sample ID	Injection Date and Time	Time Elapsed (hours)	Samples Affected	Action (Detect/ND)
		-				

Validator:

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٠.	10	а.	51
	(C	Ca

Case:_____ VOA/SV-IV

SDG:_____

IV. CONTINUING CALIBRATION - List all analytes that are outside calibration criteria.

Fraction (VOA/SV)	Instrument	Date of ICAL	Date & Time of CCAL	Matrix	Compound	%D	RRF	Samples Affected	Action (Detect/ND)
					and the second				
					adar. A sense a second				
									1.100
					1				
					()-1				
		25-2 Statil-	•/ ///////////////////////////////////						
								10 M 201 11	
		-						and the second sec	
			1410						a a constant on
Comments:			-					L	
Comments.									
		3							
									and the second se

Did the laboratory follow the correct 12-hour clock analytical sequence? If no, fill out Worksheet VOA/SV-II B.

YN

Validator:

Case:		SDG:		
VOA/SV/Pest/PCB-V-A V. A. BLANK ANALYSIS				
List the blank contamination	below.			Concentration Level:
Sampler:	Company: _		Contacted: Yes No	Date:

Laboratory: Method, Storage and Instrument Blanks 1.

Fraction/ Matrix	Sample ID (Blank Type)	Date Extracted	Date Analyzed	Instrument/ Column	Compound	Conc. (units)
				·		

Field: Equipment (Rinsate), Trip and Bottle Blanks 2.

Fraction/ Matrix	Sample ID (Blank Type)	Date Extracted	Date Analyzed	Instrument/ Column	Compound	Conc. (units)
1						
	100 - Cali					

Validator:

Case:_____

SDG:

VOA/SV/Pest/PCB-V-B V. B. BLANK ACTIONS - List the maximum concentrations of blank compounds.

Compound	Type of Blank	Date Blank Sampled, Originated, or Analyzed	Max. Conc. (unit)	Blank CRQL (unit)	Blank 2xCRQL ¹ (unit)	Blank 5xCRQL ² (unit)	Samples Affected	Action
	1							
					0			
	-						1	
	-							
	_							
					/			-
			1					
					19-11-11			
				1				
					-			
	-				-			C
	-							
					international design			
methylene chloride,	2-butanone, an	d acetone only.						
r methylene chloride, r bis(2-ethylhexyl)ph	thalate only.	a accione only.						

Comments: _____

Validator:

Case:

SDG:_____

SV-VI-A

VI A. DEUTERATED MONITORING COMPOUNDs (DMCs) - List all DMC recoveries that are outside the control limits.

Semi-Volatile Method QC Acceptance Criteria Method NBZ Phenol-ds BCE 2CP 4MP 2NP DCP 4CA Soil SOM01.2 Water Soil Water Soil Water Soil Water Soil Water Water Soil Water Soil Water Soil 25-111 8-100 43-108 40-108 23-104 1-145 17-103 40-105 12-98 41-106 13-101 16-103 16-104 37-105 1-145 39-106 Other: Sample ID % Recovery Matrix

> BCE= Bis(2-chloroethyl)ether-d₈ NBZ= Nitrobenzene-d₅ 4CA= 4-Chloroaniline-d₄

2CP= 2-Chlorophenol-d₄ 2NP= 2-Nitrophenol-d₄ $4MP=4-Methyhlphenol-d_8$ DCP=2,4-Dichlorophenol-d_3

Validator:

Date:

1/13

Page 1 of 2

Case:_____ SDG:_____

SV-VI-A (Cont'd)

Page 2 of 2 VI A. DEUTERATED MONITORING COMPOUNDs (DMCs) - List all DMC recoveries that are outside the control limits.

Semi-Volatile Method QC Acceptance Criteria Method ANC BAP ACY NMP PYR FLR 4NP DMP Soil Soil Water Soil Water Soil Soil Water Soil Soil Water Water Water Soil Water SOM01.2 Water 43-40-43-44-110 22-98 52-119 51-120 32-121 111 22-104 1-121 41-107 33-116 16-166 42-111 108 47-114 111 20-97 Other: % Recovery Sample ID Matrix 4NP=4-Nitrophenol-d4 ACY=Acenaphthylene-d₈ DMP=Dimethylphthalate-d6 ANC=Anthracene-d₁₀ NMP=4.6-Dinitro-2-methylphenol-d2 FLR=Fluorene-d₁₀ BAP=Benzo(a)pyene-d₁₂ PYR=Pyrene-d₁₀

Note: Refer to NFG for guidance on actions required for failures in DMC recoveries.

Validator:

1/13

Case:___

SDG:_____

SV-VI-B

VI B. DEUTERATED MONITORING COMPOUNDs (DMCs) for SIM - List all DMC recoveries that are outside the control limits.

			Semi-Volatile (Organics by Selected Ion	Monitoring An	nalysis Accept	able QC Criteria	
Method: SOM01.2		Fluoranthene-d ₁₀ <u>Water Soil</u> 50-150 50-15	Affected Analytes	Action (Detection/ND)	2-Methylnap <u>Water</u> 50-150	hthalene-d ₁₀ <u>Soil</u> 50-150	Affected Analytes	Action (Detection/ND)
Sample ID	Matrix	% Recovery	Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1.2.2-cd)pyrene Dibenzo(a.h)anthracene Benzo(g.h.i)perylene		% Rec		Naphthalene 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Pentachlorophenol Phenanthrene Anthracene	

Note: Refer to NFG for guidance on actions required for failures in DMC recoveries.

Validator:

Date:

1/13

Case:___

SDG:_____

VOA-VI

Validator:

VI. DEUTERATED MONITORING COMPOUNDs (DMCs) – List all DMC recoveries that are outside the control limits.

Page 1 of 2

NOTE: The same control limits are applied to the selected ion monitoring (SIM) analysis.

bd			Volatile	Method QC Acceptance	Criteria		
1	Vinyl chloride-d ₃ <u>Water Soil</u> 65-131 68-122	Chloroethane-ds <u>Water Soil</u> 71-131 61-130	DCE <u>Water Soil</u> 55-104 45-132	2-Butanone-d ₅ <u>Water</u> <u>Soil</u> 49-155 20-182	Chloroform-d <u>Water Soil</u> 78-121 72-123	DCA <u>Water Soil</u> 78-129 79-122	Benzene-d ₆ <u>Water Soil</u> 77-124 80-121
				1			
Matrix	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery
		Vinyl chloride-d ₃ <u>Water Soil</u> 65-131 68-122	Vinyl chloride-d3 Chloroethane-d5 Water Soil Water Soil 65-131 68-122 71-131 61-130	Vinyl chloride-d3 Chloroethane-d5 DCE Water Soil Water Soil 65-131 68-122 71-131 61-130 55-104 45-132	Vinyl chloride-d ₃ Chloroethane-d ₅ DCE 2-Butanone-d ₅ Water Soil Water Soil Water Soil 65-131 68-122 71-131 61-130 55-104 45-132 49-155 20-182	Vinyl chloride-d ₃ Chloroethane-d ₅ DCE 2-Butanone-d ₅ Chloroform-d Water Soil Water Soil Water Soil Water Soil 65-131 68-122 71-131 61-130 55-104 45-132 49-155 20-182 78-121 72-123	Vinyl chloride-d3 Chloroethane-d5 DCE 2-Butanone-d5 Chloroform-d DCA Water Soil Water <t< td=""></t<>

DCE= 1,1-Dichloroethene $-d_2$

DCA= 1.2-Dichloroethane-d₄

Case:_____

SDG:_____

VOA-VI (Cont'd)

DEUTERATED MONITORING COMPOUNDs (DMCs) - List all DMC recoveries that are outside the control limits. VI. Page 2 of 2

NOTE: The same control limits are applied to the selected ion monitoring (SIM) analysis.

Metho	bd			Volatile	Method QC Acceptance	Criteria		
SOM01.2		DPA <u>Water Soil</u> 79-124 74-124	Toluene-d ₈ <u>Water Soil</u> 77-121 78-121	TDP <u>Water</u> <u>Soil</u> 73-121 72-130	2-Hexanone-d ₅ <u>Water Soil</u> 28-135 17-184	1,4-Dioxane-d ₈ <u>Water Soil</u> 50-150 50-150	TCA <u>Water</u> <u>Soil</u> 73-125 56-161	DCZ <u>Water Soil</u> 80-131 70-131
Other:								
Sample ID	Matrix	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery
							-	
	-							
			DPA= 1.2-Dich	loropropane –d _o		TDP= trans-1,3-Dich	loropropene-d.	

TCA= 1.1.2.2-Tetracholoroethane-da

Note: Refer to NFG for guidance on actions required for failures in DMC recoveries.

Validator:

Date:

DCZ= 1.2-Dichlorobenzene-d4

Case:___

SDG:____

Pest/PCB-VI

SURROGATE COMPOUNDS: Spike Recoveries and Retention Time Shift List all surrogate analytes that are outside the percent recovery and retention time criteria. VI.

		1	% Recover	y QC Limits			Retention Ti	me Windows		
Method		Column I			Column 2		Column 1		imn 2	
		ТСХ	DCB	TCX	DCB	TCX	DCB	TCX	DCB	
SOM01.2	·	30-150	30-150	30-150	30-150					
Other:										
Sample Number/Matrix	Date/Time	1	% R	ecovery			Retention	Time Shift		Action
					1					
		·		1		1				
		1		1		·				
		1								
	J		1							
				· · · · · ·						5
						· · · · · · · ·				_
			1			1				
	6			1						
							_	1		
			1.5							

Note: Refer to NFG for guidance on actions required for failures in surrogate recoveries.

Validator:

Case: _____ SDG: ____ Pest/PCB-VII-C VII C. PESTICIDE/PCB CLEANUP - Sulfur Cleanup

Sample chromatograms were reviewed and found to be free from interfering sulfur peaks.

If no, list the compounds and samples affected by the unacceptable sulfur cleanup.

Samples Affected	Sulfur Interference (Major/Minor/Limited)	Action

Were all target compounds less than QL for the Sulfur blank?

Action: Refer to EPA New England Data Review Program Supplement guidance (Section 2.11) for actions to be taken for deficient sulfur cleanup. Comment on any action taken below.

Validator:

Date:	
Juic.	

Y N

Y N

Case:

SDG:_

Pest/PCB-VII-A VII A. PESTICIDE/PCB CLEANUP - GPC Calibration and Verification

The GPC Calibration data and GPC Calibration Verification Solution recovery data were reviewed and found to meet criteria.

If no, list the compounds and samples affected by the unacceptable GPC performance.

Date/Time of GPC Calibration or Calib. Verification	GC Analysis Date	Analyte	GPC % Resolution or RT Shift	% Rec	QC Limits	Samples Affected	Action
			0				
			-	-			
			-				
			1				
							_
ere all target compou	unds less than OL	for the GPC blank?					
and the second		cations performed at t	he correct frequen	cy?			
		orresponding Aroclor				and some a disease	

Validator:

Date:

N NA Y

Case:

SDG:_____

VOA/SV-VII

VII. SEMIVOLATILE CLEANUP - GPC Calibration and Verification-List all analytes that are outside method cleanup QC criteria.

Type of Cleanup	Instrument # or Lot #	Date/Time GPC Calibrated or Check Solution Analyzed	Compound	% Rec	QC Limits	Samples Affected	Action
1							
id the GPC column	Peak shape rec Retention time	uirements? shift requirements?	hod required frequency w	vith correct con	npounds and concen	trations?	Y Y Y Y
Vere all compounds	s less than QL for	the GPC/Silica Gel/Acid-	Partition blank?				Y
Did the blank surrog Comments:	gate recoveries and	IS area counts and RTs	(if added) meet method Q	C acceptance c	riteria?		Y

Validator:

Case:_

SDG:_____

Pest/PCB-VII-B VII B. PESTICIDE/PCB CLEANUP - Florisil Cartridge Performance Check

The Florisil Cartridge Performance Check recovery data were reviewed and found to meet criteria.

If no, list the analytes and samples affected by the unacceptable Florisil Cartridge Check.

Florisil Cartridge Lot #	Date of Florisil Cartridge Check	GC Analysis Date	Analyte	% Rec.	QC Limits	Samples Affected	Action

							1.

Were acceptable Florisil Cartridge Performance Checks performed at the correct frequency?

Action: Refer to Functional Guidelines for the appropriate action to be taken. Comment on any action taken below:

Validator:

Date: _____

1/13

Y N

Y N

Case:

SDG:___

VOA/SV/Pest/PCB-VIII

VIII. MATRIX SPIKE/MATRIX SPIKE DUPLICATE - List all MS/MSD analytes that are outside method QC acceptance criteria. Use a separate worksheet for each MS/MSD pair.

Sample #

Matrix

Concentration Level

			Column	1		Column 2		Method Q	C Limits		
Fraction	Compound	MS % Rec.	MSD % Rec.	RPD	MS % Rec.	MSD % Rec.	RPD	% Recovery	RPD	Action	
		_									
						- 9-1					
								τ			
		-	1								

For Pest/PCB only.

Validator:

Case:_____

SDG:

VOA/SV/Pest/PCB-IX

FIELD DUPLICATE PRECISION - List all field duplicate analytes that are outside criteria. IX. Use a separate worksheet for each field duplicate pair.

Sample Number _____ Duplicate Sample Number _____ Matrix _____

		Sample	Sam	ple QL	Duplicate	- Duplie	cate QL		QC Acceptance Criteria RPD or	A
Fraction	Compound	Conc.	SQL	2xSQL	Conc.	SQL	2xSQL	RPD	NA [°]	Action
			1.1.1							
								-		
									1	(1
			-							
						(· · · · · · · · · · · · · · · · · · ·		

*For instances where one duplicate result is ND (or reported less than the sample QL).

Does the MS/MSI) data indicate acceptable laboratory precision?	Y	N	
-----------------	--	---	---	--

Refer to EPA New England Data Review Program Supplemental guidance for field duplicate actions (Section 2.8). Comments:

Sampler Name: _____ Date Contacted: _____

Reason for Contact and resolution obtained:

Validator: _____

Case:_

SDG:_____

VOA/SV/Pest/PCB-X-A X A. ACCURACY CHECK (Performance Evaluation Results) - List all analytes that are outside criteria.

Are more than one-half of the PES analytes within criteria for each parameter?

PE Sample Number	Ampule Number	Fraction	Type of PES	Matrix	Analyte	Conc.	Region I EPA PES Scores*	Non-EPA PES Scores**	Samples Affected	Action
									6	
			4	12		(
										-
						-				-
										-
			-			-				-
			-			-				1
			1.			11 12 20 10				
			1	2						
				1						

 For Region I PESs indicate the Region I PES Score Report Result: Action High; Action Low; TCL MISS; TCL CONTAMINANT; TIC HIT; TIC MISS; TIC CONTAMINANT

** For Non-EPA PESs indicate the non-EPA PES Score: PES COMPOUND MISS; PES COMPOUND CONTAMINANT; PES COMPOUND HIT (% Recovery Limits)

Refer to EPA New England Data Review Program Supplemental guidance for EPA PES and actions (Section 2.7).

Validator:

Date:

Y N

.....

Case:

SDG:_____

VOA/SV/Pest/PCB-X-B

X B. ACCURACY CHECK (Laboratory Control Sample [LCS] Results) - List all analytes that are outside criteria.

LCS ID	Matrix	Method	Fraction	Compound	Acceptable %R Range	Column 1 LCS %R	Column 2 LCS %R	Samples Affected	Action
									1
							1		
									-

Validator:

Date: _____

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U	а	э	C		

SDG:_____

VOA/SV-XI XI. INTERNAL STANDARD PERFORMANCE

List the internal standards that are outside the area count and retention time method QC acceptance criteria.

IS Area Count Method QC acceptance criteria: _______IS Retention Time Method QC acceptance criteria: ______

Sample Number (TRs)	Date and Time Analyzed	Instrument	Fraction	Non-Compliant Internal Standard	Internal Standard Area	RT Shift	Acceptable Range (IS area or RT shift)	Action
								(r)
								- 212
				11				
								, -11-
								A. 11
			5.12 3.					
54156								
CALLS								

Validator:

Date:

1/13

Case:_____

SDG:

Pest/PCB-XII XII. ANALYTE IDENTIFICATION

List samples below that contained false positive and/or negative reported results, and samples that contained detected compounds which have a percent difference greater than $\pm 25\%$ between the two columns.

14

Sample ID	Analyte	Column 1 ID:		Column 2 ID:			%D	Action	
		RT	RT Window	Conc.	RT	RT Window	Conc.	%D	Action
	1967 - Colorado - Color								
	CHRE, C. LEWIS M. CONS.								
				1					
	•								
			(Arrest		-				
				-					
					1				y .
				-	1			1	
									1. 1. Territoria (d. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
		-		-					The last of the la
	0140 - 10746 - 1184 8 - 0								

Was GC/MS Confirmation performed for the appropriate samples?	Y	N
Were corresponding Aroclor standards analyzed within 72 hours of the sample(s) with Aroclors detected?	Y	Ν

•

Validator:

0	
000	•
Case	

VOA/SV-XII XII. TARGET COMPOUND IDENTIFICATION – List the analytes that are outside the acceptance criteria.

Sample Number	Compound	MS Ions	RRT	Action
		a		
			- C. D. C.	
200				

Validator:

Case:

SDG:

VOA/SV-XIII XIII. SAMPLE QUANTITATION AND % SOLIDS

Recalculate, from the raw data, the concentrations for one positive detect and one reported sample quantitation limit for a non-detect in a diluted sample or soil sample per fraction. (Note: Although NFG requires that one calculation for each fraction in each sample be performed, the validator is only required to reproduce an example, for each fraction, of one positive detect and one sample quantitation limit calculation on this worksheet.)

Do all soil/sediment samples have % solids greater than 30%? If no, list sample numbers

Refer to EPA New England Data Review Supplemental Program guidance for actions related to %solids (Section 2.10).

Fraction	Calculation
VOA	
Sample No.:	
Reported Compound:	
Reported Value:	
Not Detected Compound:	
Reported Quantitation Limit:	
BNA	
Sample No.:	
Reported Compound:	
Reported Value:	
Not Detected Compound:	
Reported Quantitation Limit:	

Validator:

YN

SDG:

Case: Pest/PCB-XIII XIII. SAMPLE QUANTITATION AND %SOLIDS

Recalculate, from the raw data, the concentrations for one positive detect and one reported sample quantitation limit for a non-detect in a diluted sample or soil sample per fraction. (Note: Although NFG requires that one calculation for each fraction in each sample be performed, the validator is only required to reproduce an example, for each fraction. of one positive detect and one sample quantitation limit calculation on this worksheet.)

Do all soil/sediment samples have % solids greater than 30%?

If no, list sample numbers

Refer to EPA New England Data Review Supplemental Program guidance for actions related to %solids (Section 2.10).

Fraction	Calculation	
Pesticides		
Sample No.:		
Reported Compound:		
Reported Value:		
Not Detected Compound:		
Reported Quantitation Limit:		
РСВ		
Sample No.:		
Reported Compound:		
Reported Value:		
Not Detected Compound:		
Reported Quantitation Limit:		

Validator:

Date:

YN

SDG:_____

Case:______ VOA/SV-XIV

XIV. TENTATIVELY IDENTIFIED COMPOUNDS (TICs) List the 5 TICs having the highest concentration for each sample parameter.

Sample Number	Fraction	Compound	RRT	Est. Conc.	Action
					100000536-0336-0
1.5					
				1.1.5.500	
				Contraction of the Party of the	
		15			
			. 020		
		· · · · · · · · · · · · · · · · · · ·			
					540° 094500 - 10 - 10 - 10 - 10

Validator:_____

Date:_____