

# Uploaded to the VFC Website



This Document has been provided to you courtesy of Veterans-For-Change!

Feel free to pass to any veteran who might be able to use this information!

For thousands more files like this and hundreds of links to useful information, and hundreds of "Frequently Asked Questions, please go to:

# Veterans-For-Change

Veterans-For-Change is a A 501(c)(3) Non-Profit Organizaton
Tax ID #27-3820181
CA Incorporation ID #3340400
CA Dept. of Charities ID #: CT-0190794

#### If Veterans don't help Veterans, who will?

We appreciate all donations to continue to provide information and services to Veterans and their families.

https://www.paypal.com/cgi-bin/webscr?cmd= s-xclick&hosted button id=WGT2M5UTB9A78

Note

VFC is not liable for source information in this document, it is merely provided as a courtesy to our members & subscribers.



Client Sample ID : E11-121-S1

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/15/2011

Analysis Type: DL

Sample Matrix : SO

Lab Sample ID: 31101879042

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overail Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	icv	CCA
Analysis Method : 8081					Dilutio	n: 20				hanner Hanner Trans										
4,4'-DDD	34.9	:	ug/Kg	j	YES	J	<u> </u>		l			<u> </u>	J	<u> </u>	I					1
4,4'-DDD	34.9		ug/Kg	j	YES	J			<u> </u>	1	<u> </u>	<u> </u>	J	<u> </u>	[				1	1
4.4'-DDE	39.0		ug/Kg	J	YES	J			l		<u> </u>	<u> </u>	J	<u>j</u>	<u>[</u>		l		<u></u>	<u> </u>
4,4'-DDE	39,0		ug/Kg	J	YES	j			l	<u> </u>	<u> </u>	<u> </u>	J	ì	1				!	<u> </u>
4,4'-DDT	450		ug/Kg		YES	j			l	l	i		J	1	1				<u> </u>	<u> </u>
4,4'-DD1	450		uy/Kg		YES	3				l			J	1	1		!		J	<u> </u>
Aldrin	199		ng/Kg	IJ	YES :		[]					ĺ	<u> </u>	}	J	, . ,			<u> </u>	<u> </u>
Aldrin	199		ug/Kg	U	YES								1	<u> </u>	l				<u> </u>	1
alpha-BHC	199		ug/Kg	U	YES								<u> </u>	<u> </u>	l		1		1	<u> </u>
aipha-BHC	199		ug/Kg	U	YES				l						1					<u> </u>
alpha-Chlordane	199		ug/Kg	υ	YES		1						[		1		<u> </u>		l	<u> </u>
alpha-Chlordane	199		ид/Кд	U	YES :								1	!	1	i	!		l	1
beta-BHC	199		ug/Kg	U	YES :		iI		<u> </u>				l	1	<u> </u>		}			<u> </u>
beta-BHC	199		ug/Kg	U	YES :					<u> </u>			l	l						<u>L</u>
Chlordane	663		ug/Kg	U	YES								<u> </u>	<u> </u>	<u> </u>					<u> </u>
Chlordane	663		ug/Kg	U	YES	ì							1	İ						l
delta-BHC	199		ug/Kg	U	YES	İ	I						1	<u> </u>	[					1
delta-8HC	199		ug/Kg	U	YES		]						<u> </u>	1	1				l <u> </u>	1
Dieldrin	199		ug/Kg	U	YES	!	1	1		}				į	1				l	l
Dieldrin	199		ug/Kg	U	YES	,		1							1 1	. !				l
Endosulfan I	199		ug/Kg	U	YES			]			.,		l		<u> </u>				l	ł
Endosulfan I	199	1	ug/Kg	U	YES	1	- 1						l	İ	l		1			
Endosulfan II	199	i	ug/Kg	U	YES			]					l	<u> </u>	<u>                                     </u>					1
Endosulfan II	199		ug/Kg	U	YES :										1					l
Endosulfan sulfale	199	:	ug/Kg	U	YES	1		- 1		j			]		1					l
Endosulfan sulfale	199		ug/Kg	υ	YES	1		1			i			!	1		i i			įi

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Date: 9/6/2011 08:22 \* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review Page 97 of 353

Client Sample ID: E11-121-S1

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/15/2011

Analysis Type: DL

Sample Matrix : SO

Lab Sample ID: 31101879042

Reviewed By / Date :							App	rovec	By/	Date :	:									
Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	мв	LCS	мѕ	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	fCV	CCV
Analysis Method : 8081				.,	Difuti	on: 20														
Endrin	199		ug/Kg	Ų	YES	1			]					1	1 1		1	1	1	
Endrin	199		ug/Kg	Ų	YES	i												ì		l
Endrin aldehyde	199		ug/Kg	U	YES	1													1	1
Endrin aldehyde	199		ug/Kg	U	YES				l		l		1						1	
Endrin ketone	199	:	ug/Kg	U	YES	: 1								1						[
Endrin ketone	199	;	ug/Kg	U	YES	. I													1	
gamma-BHC (Lindane)	199		ug/Kg	U	YES									1	1				[	1
gamma-BHC (Lindane)	199		ug/Kg	U	YES	1	]									,			1	1
gamma-Chlordane	199		ug/Kg	U	YES						!					,				1
gamma-Chiordane	199		ug/Kg	U	YES		l											i	1	
Heplachlor	199		ug/Kg	υ	YES	i				]			1							[
Heptachlor	199		ug/Kg	U	YES		1													l
Heplachlor epoxide	199		ug/Kg	V	YES		1								1 1					l
Heptachlor epoxide	199		ид/Кд	Ų	YES														1	
Methoxychlor	199		ug/Kg	U	YES	1	1		-											1
Methoxychior	199		ug/Kg	U	YES	1													/	1
Toxaphene	663		ug/Kg	U	YES	1	1												/	1
Toxaphene	663		ug/Kg	U	YES		1												1	1

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

· Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 98 of 353

Client Sample ID : E11-121-S1

Lab Report Batch: 31101879

Analysis Type: RES

Lab ID: SGSW

Sample Matrix: SO

Sample Date : 07/15/2011 Lab Sample ID: 31101879042

Reviewed By / Date :

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Тетр	HT	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV
Analysis Method : 6010C	2				Dilutio	on: 1				,										
Arsenic	3.84		mg/kg		YES		1 1		l	1				Í	1	İ	l		<u> </u>	ļ
Barium	72.5		mg/kg		YES					1			<u> </u>	<u> </u>	1	I	l	l	1	l
Cadmium	0.736		mg/kg		YES					l			<u> </u>			<u> </u>	ļ		]	<u> </u>
Chromium	3.28		mg/kg		YES				[				1	<u> </u>			1		<u> </u>	1
Lead	16.1		mg/kg		YES	J	J					J			1	l			<u> </u>	1
Selenium	1 82		mg/kg	U	YES								1	1		ļ			<u> </u>	1
Silver	0.321		mg/kg	J	YES	U			U	<u> </u>				}		į			١.	1
Analysis Method : 7471B	3				Difutio	on: 1														
Mercury	0.00475		mg/kg	J	YES				l	ļ			l	<u> </u>	1		l		l	l
Analysis Method : 8151					Dilutio	on: 1														
2,4,5-T	0.0165		mg/kg	υ	YES				<u> </u>	<u> </u>			[	<u> </u>	ļi	İ			<u> </u>	<u>!</u>
2,4,5-TP (Silvex)	0.0165		mg/kg	U	YES		J			<u> </u>			l	<u>!</u>	<u>                                     </u>	<u> </u>	<u> </u>		<u> </u>	l
2,4'-D	0.0165		mg/kg	Ų	YES					<u> </u>		<b>-</b>	l							i
2,4-DB	0.0165	į	mg/kg	Ų	YES		1			l			l	[	<u> </u>		l		l	l
Dicamba	0.0165	i	mg/kg	υ	YES					l			l	l	<u> </u>		<u>.</u>		l	<u> </u>
Analysis Method : 8260B					Dilutio	n: 1	······································	~~~~												
1,1,1,2-Tetrachloroethane	4.12		ug/Kg	U	YES		1			l,	j		l	<u>.</u>	<u> </u>				l	İ
1,1,1-Trichloroethane	4.12		ug/Kg	U	YES					l					<u> </u>				l	1
1,1,2,2-Tetrachioroethane	4.12		ug/Kg	u ;	YES	!				[]			l		l				<u></u>	1
1,1,2-Trichloroelhane	4.12		ug/Kg	U	YES			]		l			l		!				<u> </u>	<u> </u>
1,1-Dichtoroethane	4.12		ug/Kg	Ų	YES		1			l			l	f					l	l
1,1-Dichforoethene	4.12		ug/Kg	υ	YES					<u> </u>						.,			l	<u> </u>
1,1-Dichtoropropene	4.12	;	ug/Kg	υ	YES				<u>.</u> .	l	1		l	<u> </u>		1			١	1
1,2,3-Trichlorobenzene	4.12	i	ug/Kg	υ	YES		]	1		l			<u> </u>						l	l
1,2,3-Trichloropropane	4.12		ug/Kg	U	YES			1					!	l		!	1		l	
1,2,4-Trichlorabenzene	4.12	;	ug/Kg	U	YES	บป		j		<u> </u>	UJ				<u> </u>		1			<u> </u>
1,2,4-Trimethylbenzene	4.12		ug/Kg	U	YES	เกา	1	1	1		UJ					1	1			1

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Date: 9/6/2011 08:22

Page 99 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-121-S1 Sample Date: 07/15/2011

Lab Report Batch: 31101879

Analysis Type: RES

Lab ID: SGSW

Sample Matrix: SO

Lab Sample ID: 31101879042

Reviewed By / Date :							App	rovec	i By /	Date:	:					 			
Analyte Name	Result	Uncertainty I	Result Units	Lab Quai		Overall Qual*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Tune	IC	tCV	CC/
Analysis Method : 8260B	•				Diluti	on: 1										 			
1,2-Dibromo-3-chloropropane	24.7		ug/Kg	υ	YES	:			}		1			200		1	ì	1	T
1,2-Dibromoethane	4.12		ug/Kg	U	YES	į i				Ī	J		1		1	1		1	1
1,2-Dichlorobenzene	4.12		ug/Kg	U	YES	: 1					1	1	1	]	]	 	l		1
1,2-Dichlorocthane	4.12		ug/Kg	U	YES				1			1	1		1	 			1
1,2-Dichloropropane	4.12		ug/Kg	Ų	YES					1	-		l		1				1
1,3,5-Trimethylbenzene	4.12		ug/Kg	U	YES						-			1		 		1	
1,3-Dichlorobenzene	4.12	;	ug/Kg	U	YES		[	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			}		ļ	!	1	 	}	1	1
1,3-Dichloropropane	4.12		ug/Kg	Ų	YES											 		1	
1,4-Dichlorobenzene	4.12		ид/Кд	U	YES								1			 		1	1
2,2-Dichloropropane	4.12		ug/Kg	Ų	YES	1	-									 			
2-Butanone	6.96		ug/Kg	J	YES	J					J		IJ		]	 			1
2-Chlorotoluene	4.12		ug/Kg	U	YES		1		,, 	 				1		 			
2 Hexanone	10.3		ид/Кд	U	YES		1					i		}	l i	 			
4-Chlorotoluene	4.12		ug/Kg	U	YES	1	1					į						1	
4-isopropylioluene	4.12		ug/Kg	u	YES		[												1
4-Melhyl-2-pentanone	10.3		ug/Kg	Ü	YES													[	
Acetone	79.0		ug/Kg		YES	J	· · · · · · · i				J		J		1				1
Велгеле	4.12		ug/Kg	V	YES		1				ì					 			
Bromobenzene	4.12		ug/Kg	υ	YES	i													1
Bromochloromethane	4.12		ug/Kg	U	YES	i									[ i				1
Bromodichloromelhane	4.12		ug/Kg	U	YES	1							1		1				1
Bromoform	4.12	:	ид/Кд	U	YES	1	1			)					1				
Bromomethane	4.12		ug/Kg	U	YES	į	1	1			}			1	1	 	,		١ .
Carbon disulfide	4.12		ug/Kg	U	YES	1	1	 	• • • • • • • • • • • • • • • • • • • •							 1			
Carbon tetrachioride	4.12		ug/Kg	υ	YES		1	I						}		 			
Chlorobenzene	4.12		ug/Kg	U :	YES					`					1	 			

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Date: 9/6/2011 08:22

Page 100 of 353

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-121-S1

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/15/2011 Lab Sample ID: 31101879042 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overal Qual*	l Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCA
Analysis Method : 8260B					Diluti	on: 1														
Chloroethane	4.12		ug/Kg	U	YES		ì			1	l	1	1	1	<u>                                     </u>		1			1
Chloroform	4.12		ug/Kg	U	YES		i			1	l	1	ĺ	l	1					1
Chloromethane	4.12		ug/Kg	U	YES		i i				1	1	l	i	1					
cis-1,2-Dichloroethene	4.12		ug/Kg	U	YES		1				1		1	l					1	1
cis-1,3-Dichloropropene	4.12		ug/Kg	U	YES		1	.,,,,,,					1		1				1	[
Dibromochioromethane	4.12	;	ug/Kg	υ	YES		1					l	1				1			[
Dibromomethane	4.12		ид/Ко	υ	YES															1
Dichlorodifluoromethane	4.12		ug/Kg	ีย	YES		i i					ļ				,,,,,,,,,,				
Ethyl Benzene	4.12		ug/Kg	ឋ	YES								1	1						1
Hexachlorobuladiene	4.12		ug/Kg	u	YES		1						ĺ							1
Isopropylbenzene (Cumene)	4.12		ug/Kg	U	YES		1								]		i			1
m,p-Xylene	8.25		ug/Kg	U	YES															
Methyl iodide	0.956		ug/Kg	J	YES	J	1 1						J			•••••				
Methylene chloride	1.30		ug/Kg	J	YES	IJ	1		U				J				1			
Naphthalene	4.12	1	ug/Kg	υ	YES	LU				}	UJ						[			
n-Butylbenzene	4.12		ug/Kg	υ	YES										1					
n-Propyibenzene	4.12		ug/Kg	B	YES				· · · · · / · ·						l }					
o-Xylene	4.12		ug/Kg	U	YES		i i		ı										[	
sec-Bulylbenzene	4.12	i	ug/Kg	Ų	YES		1		1						[					
Styrene	4.12		ug/Kg	Ų	YES	UJ					UJ									
tert-Butyl methyl ether (MTBE)	4.12	ì	ug/Kg	ប	YES				.,,								ì			1
tert-Sulyibenzene	4.12	i	ug/Kg	U	YES					,							ì			1
Tetrachloroethene	3.33	•	ug/Kg	j	YES	J		,	1				J							1
Toluene	4.12		ид/Кд	U	YES		1		ĺ			-			ļ					l
trans-1,2-Dichloroethene	4.12		ug/Kg	U	YES		1		I	I										
trans-1,3-Dichloropropene	4.12	Î	ug/Kg	U	YES			1	1	 										i

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Date: 9/6/2011 08:22

· Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 101 of 353

Client Sample ID : E11-121-S1

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/15/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101879042

Reviewed By / Date :

#### Approved By / Date :

Analyte Name	Resuit	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	l Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	icv	CCV
Analysis Method : 8260B					Diluti	on: 1				••••••										
trans-1,4-Dichloro-2-butene	20.6		ug/Kg	U	YES	:	į	1	1	1	l	t	1	<u>}</u>	]		[]		l	.]
Trichtoroethene	4.12		ug/Kg	U	YES		ĺ	1				ĺ	1		1					1
Trichlorofluoromethane	4.12		ug/Kg	U	YES	ΩJ		l			UJ	l	1		1 :		1		ĺ	1
Vinyi chloride	4.12		ug/Kg	U	YES															1
Analysis Method : 8270D			•••••		Dilutio	on: 1														
1,2,4-Trichlorobenzene	333		ug/Kg	U	YES					1				1			1		l	1
1,2-Dichlorobenzene	333	İ	ug/Kg	U	YES		1				•	1	ĺ				1		<u> </u>	
1,3-Dichlorobenzene	333		ug/Kg	U	YES								1	}					l	1
1,4-Dichlorobenzene	333		ug/Kg	U	YES				1								i :			1
2,4,5-Trichlorophenol	333		ug/Kg	υ	YES				1				1				1			
2,4,6-Trichlorophenol	333		ug/Kg	U	YES										1 1					1
2,4-Dichlerophenol	333		ug/Kg	U	YES					]					<b>i</b> i					1
2,4-Dimethylphenol	333		ug/Kg	U	YES		1		1		[									
2,4-Dinitrotoluene	333		ug/Kg	ប	YES				1	1										1
2,6-Dinitrololuene	333		ug/Kg	U	YES															1
2-Chloronaphthalene	333		ug/Kg	Ų	YES				(								i .			1
2-Chlorophenol	333		ug/Kg	Ų	YES										1					1
2-Methylnaphthalene	333		ug∕Kg	υ	YES										ĺ					l
2-Methylphenol	333		ug/Kg	υ	YES										l i					1
2-Nitroaniline	333		ug/Kg	υ	YES												;			
2-Nitrophenol	333		ид/Кд	υ	YES												,			
3 and/or 4-Methylphenol	333		ug/Kg	U	YES				i						1					1
3-Nitroaniline	333		ug/Kg	U	YES				i i											1
4-Bromophenyl phenyl ether	333		ug/Kg	U	YES		i i										l			ĺ
4-Chloro-3-methylphenol	333	*******	ug/Kg	υ	YES		<u>'</u>													
4-Chloroaniline	333	····- <del> </del>	ug/Kg	U	YES															[
4-Chlorophenyl phenyl ether	333	······	ug/Kg	u	YES				,								i			1

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

Page 102 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-121-S1

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/15/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879042

Reviewed By / Date :

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	ıc	icv	CCV
Analysis Method : 8270D					Dilutio	on: 1						~~~~								
4-Nitroaniline	333		ug/Kg	U	YES	400				1	<u> </u>				1		[.,			1
4-Nitrophenol	333		ug/Kg	Ų	YES				1	l	l		l		1		[		<u> </u>	<u> </u>
Acenaphthene	333		ug/Kg	U	YES		ļ		1		1				1				1	<u> </u>
Acenaphthylene	333		ug/Kig	U	YES	I					į				1				l 	[
Anthracene	333		ug/Kg	U	YES		1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		}					1					1
Benzo(a)anthracene	333		ug/Kg	U	YES		1									, , , , , , , , , , , , , , , , , , , ,				1
Benzo(a)pyrene	333		ug/Kg	U	YES		1		1	[										
Benzo(b)fluoranthene	333		ug/Kg	υ	YES	i	Ī		1	]										
Benzo(g,h,i)perylene	333		ug/Kg	υ	YES		Ī													
Benzo(k)fluoranthene	333		ug/Kg	U	YES	}														
Bis(2-Chloroelhoxy)methane	333		ug/Kg	U	YES															
Bis(2-Chloroethyl)elher	333		ug/Kg	Ų	YES		1				i									
Bis(2-Chloroisopropyl)ether	333		uy/Kg	v	YES		1		i						1					
Bis(2-Ethylhexyl)phthalate	333		ug/Kg	υ	YES		1				, ,				I I					
Butyl benzyl phthalate	333		ug/Kg	U	YES		I													1
Chrysene	333		ug/Kg	U	YES		Ì								ļ Ī			****		
Dibenz(a,h)anthracene	333		ug/Kg	U	YES										[					1
Dibenzofuran	333		ug/Kg	U	YES		1								1		1			1
Diethyl phthalate	333		ug/Kg	U	YES	I	i								1 1		į			1
Dimethyl phthalate	333		ug/Kg	U	YES	· · · · · · · · · · · · · · · · · · ·	Ì										}			1
Di-s-butyi phthalate	333		ug/Kg	V	YES		1								1					
Di-n-octyl phthalate	333		ug/Kg	υ	YES		1						)		l i					1
Fluoranthene	333		ug/Kg	υ	YES		1													
Fluorene	333		ug/Kg	U	YES						1		1	.,						
Hexachlorobenzene	333		ug/Kg	U	YES		·····i													
Hexachlorobuladiene	333		ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·								I					1

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Date: 9/6/2011 08:22

Page 103 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-121-S1

Lab Report Batch: 31101879

Analysis Type: RES

Lab ID: SGSW

Sample Date: 07/15/2011 Lab Sample ID: 31101879042

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overall Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	<b>ICV</b>	CV/ CCV
Analysis Method : 8270D					Diluti	on: 1														
Hexachlorocyclopentadiene	333		ug/Kg	U	YES						}	1	1	(	:		1		ļ	
Hexachloroethane	333		ug/Kg	U	YES							1			1		l			
Indeno(1,2,3-cd)pyrene	333		ug/Kg	U	YES										[		1		1	
Isophorone	333		ug/Kg	U	YES				1										1	1
Naphthalene	333		ug/Kg	U	YES				1		1			1						
Nitrobenzene	333		ug/Kg	U	YES				1	 		1							1	1
n-Nitrosodi-n-propylamine	333		ug/Kg	ប	YES						}			ĺ	]					
Pentachlorophenol	333		ug/Kg	U	YES					l		 			1					
Phenanthrene	333		ug/Kg	U	YES										1					
Phenol	333		ug/Kg	U	YES					[			l						1	1
Pyrene	333		ug/Kg	U	YES		1			1		1			1				1	1

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

Page 104 of 353

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-121-S2

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/15/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101879043

Reviewed By / Date :							App	rovec	By /	Date :						 			
Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Типе	IC	ICV	CC/
Analysis Method : 6010C					Diluti	on: 1										 			
Arsenic	4.83	:	mg/kg		YES							ļ			1	 1	l	[	1
Barium	409		mg/kg		YES			1								1		1	1
Cadmium	0.847		mg/kg		YES					1	l			į		 		1	1
Chromium	4.17		mg/kg		YES								1	}		 	3	1	ĺ
Lead	9.37		mg/kg		YES	J			1			J				 			1
Selenium	1.35	;	mg/kg	J	YES				1			1				 		1	1
Silver	0.509		mg/kg	J	YES	U		1	U		i	i			1 !	1		1	
Analysis Method : 7471B					Diluti	on: 1										 			
Mercury	0.00109		mg/kg	J	YES		l		1	1	ļ			l	1	 1		1	1
Analysis Method : 8081					Diluti	on:1										 			
4,4'-DDD	10,3		ug/Kg	U	YES				1		<u> </u>	l	l		ll	 		<u> </u>	
4,4'-DDD	10,3		ид/Кд	ប	YES				1	]			l		l			1	1
4,4'-DDE	10.3		ug/Kg	U	YES						i		1			 1		l	1
4,4'-DDE	10.3		ug/Kg	U	YES					1		l	1		1 1				l
4,4'-DDT	10.3		ug/Kg	υ	YES								l		l í	 <u> </u>		]	l
4,4'-DDT	10.3		ug/Kg	υ	YES					1			1			 		1	
Aldrin	10,3		ug/Kg	ប	YES	: 1	1											1	]
Aidrin	10.3		ug/Kg	Ų	YES		1								l i			1	1
atpha-BHC	10.3		ug/Kg	U	YES		1		1									i	1
alpha-BHC	10.3		ug/Kg	U	YES		1								1				1
alpha-Chlordane	10.3		ug/Kg	υ	YES	ĺ							:		[				
alpha-Chiordane	10.3		ug/Kg	U	YES	1													1
bela-BHC	10.3		ug/Kg	U	YES		1									 			}
bela-BHC	10.3	:	ug/Kg	U	YES	1	Ī											1	
Chlordane	34.2	;	ug/Kg	U	YES	İ	1									 		1	1
Chlordane	34.2	i i	ug/Kg	U	YES		]								]	 		l	1
delta-BHC	10.3		ug/Kg	U	YES											 			
							.,									 			

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

Page 105 of 353

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-121-S2

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/15/2011 Lab Sample ID: 31101879043 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty I Error	Result Units	Lab Qual	Rep Res	Overaff Qual*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV
Analysis Method : 8081					Dilutio	n: 1	••••••		********											
delta-BHC	10.3		ug/Kg	U	YES				1	]	}		l	}	11					1
Dieldrin	10.3		ug/Kg	υ	YES	İ				1										1
Dieldrin	10.3		ug/Kg	U	YES	1				1										1
Endosulfan I	10,3		ug/Kg	U	YES					1				į						
Endosulfan i	10.3		ug/Kg	Ų	YES					l				1			1			
Endosulfan II	10.3		ug/Kg	Ų	YES					}										Ī
Endosulfan II	10.3		ug/Kg	U	YES															1
Endosulfan sulfate	10.3		ug/Kg	U	YES															
Endosulfan sulfate	10.3		ug/Kg	υ	YES	1									1		1			
Endrin	10.3		ug/Kg	U	YES	{									1					
Endrin	10.3		ug/Kg	U	YES															
Endrin aldehyde	10.3		ug/Kg	U	YES	ļ											i			
Endrin aldehyde	10,3		ug/Kg	U	YES	1					1						1			
Endrin ketone	10.3		ug/Kg	U	YES :	1														
Endrin ketone	10.3	:	ug/Kg	υ	YES								}					1		
gamma-BHC (Lindane)	2.20	:	ug/Kg	J	YES						ļ	, , , , , , , , , , , , , , , , , , ,	ş							
gamma-BHC (Lindane)	2.20	:	ug/Kg	J	YES		1			[ [	1						i	1		1
gamma-Chlordane	10.3	i	ug/Kg	U	YES	· · · · · · · · · · · · · · · · · · ·	1				1						1			1
gamma-Chlordane	10.3	1	ug/Kg	U	YES	1	1								1		1			1
Heptachlor	10.3	ì	ug/Kg	Ų	YES	1		···			1	1			1		ì			1
Heptachlor	10,3		ug/Kg	U	YES			1										1		1
Heptachlor epoxide	10.3		ug/Kg	U	YES								,					1		i
Heptachlor epoxide	10.3	Î	ug/Kg	U	YES	1	1		1		1		,			-		i		ĺ
Methoxychlor	10.3	Ì	ug/Kg	U	YES	)	1		1		;									1
Methoxychlor	10.3		ug/Kg	U	YES		ı	1	I			1			1			1		1
Toxaphene	34.2		ид/Кд	U	YES		1					1		ı	1	I	}		· · · · · · · · · · · · · · · · · · ·	1

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Oate: 9/6/2011 08:22

Page 106 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-121-S2

Sample Date: 07/15/2011 Lab Sample ID: 31101879043 Lab Report Batch: 31101879

Analysis Type: RES

Lab ID: SGSW

Sample Matrix: SO

Reviewed By / Date :

#### Approved By / Date :

		Uncertainty /	Result	Lab		Overall			************		Lab	.,,,	Rep	Moist					CV1
Analyte Name	Result	Error	Units	Quat	Res	Quat* Temp	HT	МВ	LCS	MS	Dup	Surr	Limit	Tot/Dis	QC	Tune	1C	ICV	CCV
Analysis Method : 8081					Dilutio	on: 1													
Toxaphene	34.2		ug/Kg	ប	YES	1	]	1	]	ļ	l	İ	<u> </u>			[]		1	1
Analysis Method : 8151					Dilutio	on: 1		***********											
2,4,5-T	0.0172		mg/kg	U	YES	- 1	1		1	<u> </u>			<u> </u>	1		1		1	. [
2,4,5-TP (Silvex)	0.0172		mg/kg	U	YES	1	1	1	1	<u> </u>		1	!	<u>                                     </u>		1		<u> </u>	
2,4'-D	0.0172	İ	mg/kg	υ	YES	1			1	j		l	1	<u> </u>				l	1
2,4-DB	0.0172		mg/kg	U	YES			1	1			l	1					f	1
Dicamba	0.0172		mg/kg	U	YES			1	l			1		1				]	1
Analysis Method : 8260B		***************************************			Dilutio	on: 1													
1,1,1,2-Telrachloroethane	4.75	,	ug/Kg	U	YES		1	l		į		1							
1,1,1-Trichloroethane	4,75		ид/Кд	U	YES	1	1							1					1
1,1,2,2-Tetrachloroethane	4.75		ug/Kg	υ	YES	-	1	[		(				1 !		1			1
1,1,2-Trichloroethane	4.75		ug/Kg	U	YES											1			1
1,1-Dichloroethane	4.75	,	ug/Kg	Ų	YES	i		1		<b>:</b>			İ	}					1
1,1-Dichloroethene	4.75		ug/Kg	V	YES	1	1												l
1,1-Dichloropropene	4.75		ug/Kg	υ	YES	-			l										
1,2,3-Trichlorobenzene	4.75		ug/Kg	U	YES														[
1,2,3-Trichloropropane	4.75		ug/Kg	U	YES		}							i i					
1,2,4-Trichlorobenzene	4.75		ug/Kg	U	YES	UJ ∤				ยม									1
1,2,4-Trimelhylbenzene	4.75		ug/Kg	U	YES	IJ. ∣	1			UJ						l			1
1,2-Dibromo-3-chloropropane	28.5		ug/Kg	U	YES	;	1												1
1,2-Dibromoethane	4.75	:	ug/Kg	ម	YES		1												
1,2-Dichlorobenzene	4.75		ug/Kg	U	YES														
1,2-Dichloroethane	4.75	;	ug/Kg	U	YES		1												
1,2-Dichloropropane	4.75		ug/Kg	Ų	YES														1
1,3,5-Trimethylbenzene	4.75		ug/Kg	Ų	YES		1												1
1,3-Dichtorobenzene	4.75	1	ug/Kg	U	YES	}	1	i i			1			1		[			
1,3-Dichforopropane	4.75		ug/Kg	u i	YES		l			1	i					l i			ı

ADR 8.2

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

Page 107 of 353

Overalt result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-121-S2

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date : 07/15/2011 Lab Sample ID: 31101879043 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Quai		нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	1C	icv	CCV
Analysis Method : 8260B					Dilutio	n:1														
1,4-Dichlorobenzene	4.75		ug/Kg	Ų	YES						<u> </u>								<u> </u>	<u> </u>
2,2-Dichloropropane	4.75		ug/Kg	Ų	YES				l			i			1		]		<u> </u>	<u> </u>
2-Butanone	2.21		ug/Kg	J	YES	1					J	l	J						l	
2-Chlorotoluene	4.75		ug/Kg	U	YES						l				1				l	<u> </u>
2-Hexanone	11.9		ug/Kg	U	YES						1	l								1
4-Chlorotoluene	4.75		ug/Kg	Ų	YES						}									1
4-Isopropyltoluene	4.75		ug/Kg	U	YES						Ì									1
4-Melhyl-2-penlanone	11.9		ug/Kg	υ	YES						}	ì								l
Acetone	12.2		ug/Kg	J	YES	J					J		J							
Benzene	4.75		ug/Kg	U	YES										1 1				İ	1
Bromobenzene	4.75		ug/Kg	Ų	YES															
Bromochloromethane	4.75		ug/Kg	U	YES													1		
Bronnodichloromethane	4.75		ug/Kg	υ	YES		·····								l i					
Bromoform	4.75		ug/Kg	U	YES										1		1			İ
Bromomethane	4,75		ug/Kg	U	YES		Ī										}			1
Carbon disulfide	4.75		ug/Kg	U	YES										1			1		
Carbon tetrachloride	4.75		ug/Kg	U	YES										į			1		
Chlorobenzene	4.75		ug/Kg	υ	YES	1	1	1							ì			1		
Chloroethane	4.75		ug/Kg	υ	YES	1	1											1		'
Chloroform	4.75	i	ug/Kg	U	YES	ì				1	)				i					1
Chloromethane	4.75	i	ug/Kg	U	YES		1			ĺ								1		
cis-1,2-Dichloroethene	4.75		ug/Kg	U	YES		1					- 1						1		
cis-1,3-Dichloropropene	4.75	1	ug/Kg	U	YES			1				1			į		1			
Dibromochloromethane	4.75		ug/Kg	U	YES			I				1			}		į			1
Dibromomethane	4.75		ug/Kg	ប	YES	1	· · · · · · · · · · · · · · · · · · ·		1			1			1		1	1		
Dichlorodifluoromethane	4.75	·····	ug/Kg	u	YES		i		ا			i					(	1		įi

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used: Report Date: 9/6/2011 08:22

CampCarroll

ADR 8.2

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 108 of 353

Client Sample ID : E11-121-S2 Sample Date : 07/15/2011 Lab Report Batch: 31101879

Analysis Type: RES

Lab ID: SGSW

Sample Matrix : SO

Lab Sample ID: 31101879043

Reviewed By / Date :

# Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overali Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	icv	CCV
Analysis Method : 8260B					Diluti	on: 1														
Ethyl Benzene	4.75		ug/Kg	Ų	YES				l .	1					i		*****			
Hexachiorobuladiene	4.75		ug/Kg	U	YES		1		 					[			l			
Isopropylbenzene (Cumene)	4.75		ug/Kg	U	YES		{				1									l
m,p-Xylana	9.60		ug/Kg	U	YES						,				1					1
Methyl iodide	4.75		ug/Kg	U	YES	:												1		
Methylene chloride	1.05	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ug/Kg	J	YES	ยม			U				J							[
Naphthalene	4.75		ug/Kg	U	YES	UJ					IJ				l :		1			
n-Butylbenzene	4.75		ug/Kg	U	YES		1													
n-Propylbenzene	4.75		ug/Kg	U	YES		1													ĺ
o-Xylene	4.75		ug/Kg	υ	YES												ì	]		ĺ
sec-Butylbenzene	4.75		ug/Kg	υ	YES										1			1		
Styrene	4.75		ug/Kg	U	YES	IJ					UJ				ĺ					
tert-Buty: methyl ether (MTBE)	4.75		ug/Kg	U	YES												ì	1		
tert-Butylbenzene	4.75		ug/Kg	υ	YES										i					
Tetrachloroethene	4.28	;	ug/Kg	J	YES	J			1				J					1		
Toluene	4.75		ug/Kg	U	YES			1	1			Ì					ı	1		
trans-1,2-Dichloroethene	4.75		ug/Kg	U	YES			J	1							,	]	I		
trans-1,3-Dichloropropene	4,75	ì	ug/Kg	U	YES						}						l I	I		
trans-1,4-Dichloro-2-butene	23.8	ì	ug/Kg	U	YES						i				1		1	1		'''
Trichloroethene	4.75		ug/Kg	U	YES		İ			1	1				i		i	1		
Trichlorofluoromethane	4.75		ug/Kg	U	YES	UJ		1	1	ĺ	UJ				1			1		
Vinyl chloride	4.75		ug/Kg	v	YES		1	1	1	ı	}	)						1		
Analysis Method : 8270D					Dilutio	ะก: 1														
1,2,4-Trichlorobenzene	342		ug/Kg	U	YES			]							I	-				
1,2-Dichlorobenzene	342		ug/Kg	υ	YES		1	1	1	1					1	l	į	1	١	
1,3-Dichforobenzene	342	ĺ	ug/Kg	U	YES	Į		1	1	i	1			1	ì		{			
1,4-Dichlorobenzene	342		ug/Kg	U	YES		1	1	1		1		1	1	1	1		1		Ī

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

Page 109 of 353

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-121-S2

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/15/2011 Lab Sample ID: 31101879043 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date:

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*	Temp	нт	MB	LCS	мѕ	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	ıc	íCV	CCV
Analysis Method : 8270D				*********	Diluti	on: 1			,										**********	
2,4,5-Trichlorophenol	342		ug/Kg	U	YES				1		i	i	1	1					1	
2,4,6-Trichtorophenal	342		ug/Kg	Ų	YES	: 1							1	ļ	1				1	1
2,4-Dichlorophenol	342		ug/Kg	U	YES	1			1	1			1						1	1
2,4-Dimethylphenol	342		ug/Kg	U	YES	1											[ ]		1	
2,4-Dinitrotoluene	342		ug/Kg	U	YES	J				1	l	1							1	
2,6-Dinitrotoluene	342		ug/Kg	U	YES										1				1	
2-Chloronaphthalene	342		ug/Kg	υ	YES						l	1	1		1				1	
2-Chlorophenol	342		ug/Kg	ឋ	YES	Ī							1						1	1
2-Methylnaphthalene	342		ug/Kg	ឋ	YES				1										1	1
2-Methylphenol	342		ug/Kg	U	YES	1	1		1										1	1
2-Nitroanitine	342		ug/Kg	U	YES	i							1		[ [					
2-Nitrophenol	342		ug/Kg	U	YES					1										1
3 and/or 4-Methylphenol	342		ug/Kg	U	YEG	-	1		1						7					1
3-Nitroaniline	342	:	ug/Kg	U	YES		1								l í					1
4-Bromophenyl phenyl other	342	;	ug/Kg	υ	YES		1										1		1	
4-Chioro-3-methylphenol	342	:	ug/Kg	υ	YES	i							1				1			
4-Chloroaniline	342		ug/Kg	U	YES		1												[	1
4-Chlorophenyl phenyl ether	342		ug/Kg	U	YES	1	1						3					.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	ĺ
4-Nitroaniline	342		ug/Kg	U	YES	1	1								1		ĺ		1	1
4-Nitrophenol	342	:	ug/Kg	υ	YES		1				,				l l				1	l
Acenaphthene	342		ug/Kg	υ	YES	1													1	l
Acenaphthylene	342		ug/Kg	U	YES					į	`		ļ							1
Anthracene	342	:	ug/Kg	U	YES	1	1			1		J	}				1		<u> </u>	ŀ
Benzo(a)anthracene	342	;	ug/Kg	U	YES	1	1			(			}		j					1
Benzo(a)pyrene	342	;	ид/Кд	U	YES	1	1			i	1	I			f				1	1
Benzo(b)fluoranthene	342		ug/Kg	ប	YES	I	1			· · · · í		I	I		1	1			1	1

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

Page 110 of 353

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-121-S2 Sample Date: 07/15/2011

Lab Report Batch: 31101879

Analysis Type: RES

Lab ID: SGSW

Sample Matrix: SO

Lab Sample ID: 31101879043

Reviewed By / Date:

#### Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overall Quai*	Temp	нт	мв	LCS	MS	Lab Đưp	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	icv	CCV
Analysis Method : 8270D					Dilutio	on: 1														
Benzo(g,h.i)perylene	342		ug/Kg	U	YES						i	1			1		1			
Benzo(k)fluoranthene	342		ug/Kg	U	YES	ı	,				l			1	l				1	
Bis(2-Chloroethoxy)methane	342		ug/Kg	Ų	YES				l	Ì			l						1	
Bis(2-Chloroethyi)ether	342		ug/Kg	υ	YES						1									1
Bis(2-Chloroisopropyl)elher	342		ug/Kg	U	YES	,														
Bis(2-Ethylhexyl)phthalate	30.7	i	ug/Kg	J	YES	}														[
Bulyl benzyl phthalate	342	:	ug/Kg	U	YES		J													1
Chrysene	342		ug/Kg	U	YES														1	1
Dibenz(a,h)anthracene	342		ug/Kg	U	YES														1	
Dibenzofuran	342		ug/Kg	ឋ	YES															
Diethyl phthalate	342		ug/Kg	U	YES	}														
Dimethyl phthalate	342		ug/Kg	U	YES															
Di-n-bufyf phlhalale	342		ug/Kg	ប	YES		i												1	1
Ol-n-octyl phihalale	342		ug/Kg	U	YES	1									1				1	i
Fluoranthene	342		ug/Kg	U	YES															
Fluorene	342		ug/Kg	υ	YES	ĺ						-		ì	,					
Hexachlorobenzene	342		ug/Kg	υ	YES		1									1	1		1	'
Hexachlorobutadiene	342		ug/Kg	U	YES	1	1								ı		j			
Hexachlorocyclopentadiene	342		ug/Kg	U	YES	1					1		ĺ		1		1			'
Hexachioroethane	342		ug/Kg	U	YES	1		1			1			1	1	1				
Indeno(1,2,3-cd)pyrene	342		ug/Kg	υ	YES			1	1		1				1	1				
Isophorone	342	ì	ug/Kg	υ	YES		1	1	1			1	1		1	1				
Naphthalene	342		ug/Kg	U	YES	1	1		1	1		1	1			I	]	1	1	
Nilrobenzene	342		ug/Kg	U	YES	1						]	1				}	1	1	
n-Nifrosodi-n-propylamine	342		ug/Kg	U	YES			1			1		· · · · · · · · · · · · · · · · · · ·	1	1	1		1		
Pentachlorophenol	342		ug/Kg	υ	YES	I	1	1	1				 I	· · · · · · · · · · · · · · · · · · ·	1	1	I			1

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Page 111 of 353

Report Date: 9/6/2011 08:22 Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-121-S2

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/15/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101879043

Reviewed By / Date :

Approved By / Date :

Analyte Name Analysis Method : 8270D	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res Dilutio	Overall Qual* on: 1	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist ToUDis	Field QC	Tune	IC	icv	CCV CV1
Phenanthrene	342		ug/Kg	ប	YES			1	1		1				1		l		1	
Phenol	342		ug/Kg	U	YES				l						]		(		1	
Pyrene	342		ug/Kg	U	YES				1	1	(	1		l					1	

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

Page 112 of 353

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

4816

Client Sample ID : E11-122-S1

Lab Report Batch: 31101879

Analysis Type: RES

Lab ID : SGSW

Sample Matrix : SO

Sample Date : 07/14/2011 Lab Sample ID: 31101879022

Reviewed By / Date :

Approved By / Date :

		Hannadalut:	Desult	1 -6	Onn	Oue = "						Lab		Doc	Major	Field				CV/
Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overall Qual*		нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICA	CCV
Analysis Method : 6010C			•••••••••••••••••••••••••••••••••••••••		Dilutio	on: 1														
Arsenic	3.39	1	mg/kg		YES	J				1		J		<u> </u>	<u> L</u>		1	l		Ī
Barium	79.6	;	mg/kg		YES	J			1	l	ļ	J	ĺ	į	1		1			1
Cadmium	0.711		mg/kg		YES	J						J	1							1
Chromium	4.28		mg/kg	,	YES					1		Į							1	1
Lead	12.6		mg/kg		YES	J		.,.,	[			L		l	l i					1
Selenium	2.15		mg/kg	U	YES		1				ļ	{	1				1		l	
Silver	0.215		mg/kg	J	YES	U	1		U						[					
Analysis Method : 7471B					Ditutio	n: 1														
Mercury	0.00308		mg/kg	J	YES	IJ			ļΨ	1			l		1				<u> </u>	<u> </u>
Analysis Method : 8081					Dilutio	n: 1														
4,4'-DDD	10.5	<u>:</u>	ug/Kg	U	YES		<u> </u>		l				l		<u> </u>					<u> </u>
4,4'-DDE	10.5	<u> </u>	ug/Kg	U j	YES		<u></u>				<u> </u>		l		<u> </u>		<u> </u>		<u> </u>	1
4,45DT	10.5	<u> </u>	ug/Kg	U j	YES		<u> </u>			Í									[	<u> </u>
Aldrin	10.5		ug/Kg	U	YES		<u> </u>								1 }					l
alpha-BHC	10.5		ug/Kg	υ	YES					l					l				ļ	<u> </u>
alpha-Chlordane	10.5		ug/Kg	ម	YES					l	;								1	
beta-BHC	10.5		ug/Kg	U	YES					l					l				l	<u> </u>
Chlordane	35.0		ug/Kg	U	YES		I			l					[				l	l
delta-BHC	10,5		ug/Kg	U	YES		l								1					<u> </u>
Dieldrin	10,5		ug/Kg	U	YES															<u> </u>
Endosulfan I	10.5		ид/Кр	υ	YES															l
Endosulfan II	10.5		ид∕Кд	ឋ	YES		-										1	1		
Endosulfan sulfate	10.5		ug/Kg	U	YES		Ī		1	į							]	1	l	<u> </u>
Endrin	10.5		ug/Kg	U	YES	i					i									1
Endrin aldehyde	10.5		ug/Kg	Ų	YES															1
Endrin ketone	10.5		ug/Kg	U	YES		1					ı	(							1
gamma-SHC (Lindane)	10.5		ug/Kg	U	YES	}	1				1	1								1

Project Number and Name:

**ADR 8.2** 

11-032E - 11-032E Carroll Agent Orange

Library Used: Report Date: 9/6/2011 08:22

CampCarroll

Page 113 of 353

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-122-S1

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date : 07/14/2011 Lab Sample ID: 31101879022 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr		Moist Tot/Dis		Tune	IC	ICV	CCV
Analysis Method : 8081					Dilutio	on: 1														
gamma-Chlordane	10.5		ug/Kg	U	YES					l	ŧ	l	1	i			l		}	1
Heptachior	10.5		ug/Kg	Ų	YES		l		l			İ			[ [		[			
Heptachlor epoxide	10.5		ug/Kg	U	YES			.,	l	l				1	1		1 1		1	1
Methoxychioi	10.5		ug/Kg	U	YES							l	ĺ	1	1		1		l	
Toxaphene	35.0		ug/Kg	U	YES								1		1		1		1	
Analysis Method : 8151		***************************************	••••		Dilutio	n: 1														
2,4,5-T	0.0175		mg/kg	υ	YES	į							1	[			<b>i</b> !		l	1
2,4,5-TP (Silvex)	0.0175		mg/kg	U	YES	UJ	1		1		UJ		1				l i			1
2,4'-D	0,0175		mg/kg	U	YES	ŊJ					UJ						l i			1
2,4-D8	0.0175		mg/kg	U	YES								1				1			1
Dicamba	0.0175	:	mg/kg	Ų	YES								1		1 1					1
Analysis Method : 8260B					Dilutio	n: 1														
1,1,1,2-Tetrachloroethane	4.62		ug/Kg	U	YES	·····	1	İ					1				l i			
1,1,1-Trichloroethane	4.62		ug/Kg	U	YES				]						[ ]					
1,1,2,2-Tetrachloroethane	4.62		ид/Кд	U	YES												}			
1,1,2-Trichloroelhane	4.62		ug/Kg	U	YES		1										}			
1,1-Dichloroethane	4.62		ug/Kg	ប	YES		1													
1,1-Dichloroethene	4.62		ug/Kg	U	YES	1									1					
1,1-Dichloropropene	4.62		ug/Kg	V	YES										İ i		i			
1,2,3-Trichlorobenzene	4.62		ug/Kg	Ų	YES :										1					1
1,2,3-Trichloropropane	4.62		ug/Kg	U	YES															1
1,2,4-Trichlorobenzene	4.62		ug/Kg	U	YES		1										1			1
1,2,4-Trimethylbenzene	4.62		ug/Kg	Ú	YES	·····i	Ī	1									{			
1,2-Dibromo-3-chloropropane	27.7		ug/Kg	U	YES :	1	Ī	1			)									
1,2-Dibromoethane	4.62		ug/Kg	U	YES			I							l i					
1,2-Dichlorobenzene	4.62		ug/Kg	ប	YES															
1,2-Dichloroethane	4.62	1	ug/Kg	U	YES	1									1		I			1

Project Number and Name:

ADR 8.2

11-032E - 11-032E Carroll Agent Orange

Library Used: Ca Report Date: 9/6/2011 08:22

CampCarroll

Page 114 of 353

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-122-S1 Sample Date : 07/14/2011 Lab Report Batch: 31101879

Analysis Type: RES

Lab ID: SGSW

Sample Matrix: SO

Lab Sample ID: 31101879022

Reviewed By / Date:

#### Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overall Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr		Moist Tot/Dis		Типе	ic	ICV	CCV
Analysis Method : 8260B					Dilutio	n: 1														
1,2-Dichloropropane	4.62	;	ug/Kg	Ų	YES									1	]					l
1,3,5-Trimethylbenzene	4.62		ug/Kg	U	YES									]						
1,3-Dichlorobenzene	4.62	İ	ug/Kg	U	YES					1				ļ	i				1	
1,3-Dichloropropane	4.62		ug/Kg	U	YES										]					
1,4-Dichlorobenzene	4.62		ug/Kg	U	YES															
2,2-Dichloropropane	4.62		ug/Kg	U	YES															
2-Butanone	26.2		ug/Kg		YES	j							J	1						Ì
2-Chlorotoluene	4.62		ug/Kg	U	YES									j	l i					Ī
2-Hexanone	11.5		ug/Kg	v	YES															
4-Chlorotoluene	4.62	;	ug/Kg	υ	YES		1								]					
4-Isopropyftoluene	4.62		ug/Kg	U	YES		ĺ										i			
4-Methyl-2-pentanone	11.5		ug/Kg	V	YES												}			
Acelone	179		ug/Kg		YES	j						-	J							
Benzene	0.896		ug/Kg	J	YES	j	1					1	J			, , , , , , , , , , , , , , , , , , ,				
Bromobenzene	4.62		ug/Kg	U	YES		1	)							}					}
Bromochloromelhane	4.62		ug/Kg	U	YES					}	i									
Bromodichleromethane	4.62		ид/Кд	U	YES					,	1	Ĭ	1				į			1
Bromoform	4.62	}	ug/Kg	U	YES	į	1					1	1				1			1
Bromomethane	4.62		ug/Kg	U	YES		]		1		1	1					ĺ	,		i
Carbon disulfide	4.62		ug/Kg	υ	YES	}	1		1		1	ı	i		ì					1
Carbon tetrachloride	4.62	:	ug/Kg	υ	YES		-		1		i	1			1					i
Chlorobenzene	4.62	;	ug/Kg	U	YES		1	1		į			1		1		1			1
Chloroethane	4.62	-	ug/Kg	U	YES	1	1	1			i	1	1	l		1	1			1
Chloroform	4.62		ид/Кд	U	YES		1	1	1		1	1				1	Table 1			1
Chloromethane	4.62	i	ug/Kg	U	YES			1	1		1	]	I			1		I	· · · · · · · · · · · · · · · · · · ·	1
cis-1,2-Dichloroethene	4.62		ug/Kg	បៈ	YES		Ī	1	1	}		1	1	1	1	ı		1		1

Project Number and Name

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

Page 115 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-122-S1

Lab Report Batch: 31101879

Analysis Type: RES

Lab ID : SGSW

Sample Matrix: SO

Sample Date: 07/14/2011 Lab Sample ID: 31101879022

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Meist ToUDis		Tune	IC	ICV	CCV
Analysis Method : 8260B					Dilutio	on: 1									A. S S S. A A.			···		
cis-1,3-Dichloropropene	4.62		ug/Kg	U	YES						ļ	-	f	!			]		1	1
Dibromochloromethane	4.62		ug/Kg	U	YES	-	I		1	1			ļ		1				1	1
Dibromomethane	4.62		ug/Kg	U	YES				1	1			1				f 1			1
Dichlorodifluoromethane	4.52		ид/Кд	U	YES			.,					Ì		1					
Ethyl Benzene	4.62		ug/Kg	U	YES	1	1		1		}									1
Hexachlorobutadiene	4.62		ug/Kg	U	YES		1													
Isopropylbenzene (Cumene)	4.62		ug/Kg	U	YES		I								1				1	i
m,p-Xylene	9.24		ид/Кд	U	YES								1		1				i	í
Methyl iodide	2.26		ug/Kg	j	YES	J							J		1				i	
Methylene chloride	1.63		ug/Kg	J	YES	IJ	i		U				J		İ					
Naphihalene	4.62		ug/Kg	υ	YES		i								i		i	******		
n-Butylbenzene	4.62		ug/Kg	U	YES	1	······								i i		1		: 	
n-Propyibenzene	4.62		ug/Kg	U	YES		i								i				 	
o-Xylene	4.62		ug/Kg	U	YES	i	i					· ······			i i					
sec-Butylbenzene	4.62		ug/Kg	U	YES							l	}				i			
Styrene	4.62		ug/Kg	Ų	YES	1	1													
tert-Butyl methyl ether (MTBE)	4.62	ì	ug/Kg	υ	YES	1	1	i									1			
tert-Butylbenzene	4.62		ug/Kg	U	YES	· · · · · · · · · · · · · · · · · · ·	1	ĺ												
Tetrachioroelhene	4.62	ì	ug/Kg	Ų	YES	1		.,				1								
Toluene	4.62		ug/Kg	Ų	YES		1	1	· · · · · · · · · · · · · · · · · · ·						i					
trans-1,2-Dichloroethene	4.62		ug/Kg	υ	YES					ا					1	· · · · · · · · · · · · · · · · · · ·				
irans-1,3-Dichloropropene	4.62		ug/Kg	U	YES		1	1								 		· · · · · ·		
rans-1,4-Dichloro-2-butene	23.1		ug/Kg	U	YÉS								1		i.	i	i			
Trichloroethene	4.62	·····	ug/Kg	U	YES	1	1	Ì	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	 ا	······	1	······i	i- 	i	<del>-</del>	······	i	
Trichlorofluoromelhane	4.62		ug/Kg	U	YES		Ì	·1				·····i	······	······i	<u>-</u>	······i		! I	· · · · · · · · · · · · · · · · · · ·	
Viny! chloride	4.62		ug/Kg	U	YES	· · · · · · i	·······:	ì	·····'i	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	·····i		······i	: l	·····:				
Analysis Method : 8270D	f				Dilutio							!		!						

Project Number and Name:

ADR 8.2

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

Page 116 of 353

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-122-S1 Sample Date : 07/14/2011 Lab Report Batch: 31101879

Analysis Type: RES

Lab ID : SGSW

Sample Matrix: SO

Lab Sample ID: 31101879022

Reviewed By / Date:

#### Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quat	Rep Res	Overal! Qual*		HT	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Tune	ю	icv	CCV
Analysis Method : 8270D					Diluti	on: 1					•					 			
1,2,4-Trichlorobenzene	353		ug/Kg	U	YES	:					1					1			
1,2-Dichlorobenzene	353		ug/Kg	U	YES		1				(	}				 			
1,3-Dichlorobenzene	353		ug/Kg	U	YES		( I									 			
1,4-Dichlorobenzene	353		ug/Kg	U	YES										1	 			
2,4,5-Trichlorophenol	353		ug/Kg	Ų	YES										1	 		1	
2,4,6-Trichforophenal	353		ug/Kg	บ	YES										i i	 ]		 I	1
2,4-Dichlorophenol	353		ug/Kg	U	YES										1			l	1
2,4-Dimethylphenol	353		ug/Kg	U	YES										1	 			1
2,4-Dinitrotoluene	353		ид/Кд	U	YES										i i	 l			1
2,6-Dinitrololuene	353		ug/Kg	U	YES										1			1	1
2-Chloronaphlhalene	353		ug/Kg	U	YES		1								î i				1
2-Chlorophenol	353		ug/Kg	U	YES		i i								l i				1
2-Methylnaphilialene	353		ug/Kg	U	YES								,			 			1
2-Melhylphenol	353		ug/Kg	U	YES	}			1							 			1
2-Nitroaniline	353		ug/Kg	υ	YES			· · · · · · · · · · · · · · · · · · ·	 							 			1
2-Nitrophenol	353		ug/Kg	Ų	YES		1									 			1
3 and/or 4-Methylphenol	353		ug/Kg	U	YES		1								l	 			[
3-Nitroanitine	353		ug/Kg	υ	YES	1	1		i			i				 			1
4-Bromophenyl phenyl elher	353		ug/Kg	U	YES	1			1		1								
4-Chloro-3-methylphenol	353		ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·	1	I	í	1	· · · · · · · · · · · · · · · · · · ·	1						
4-Chloroaniline	353	i	ug/Kg	ย	YES		1	1								 1			
4-Chlorophenyl phenyl elher	353		ug/Kg	U	YES		1	ĺ			· · · · · · · · · · · · · · · · · · ·	1	1		[	 l			
4-Nitroaniline	353	:	ид/Кд	U	YES			1	1	1	i	· i				 			
4-Nitrophenol	353		ug/Kg	U	YES	i	i	i	· · · · · · · · · · · · · · · · · · ·	············	i	<u>-</u>	<u>-</u>			 1	i		
Acenaphthene	353		ug/Kg	U	YES	······i	i	ì			i	i	i			 		· · · · · · · · · · · · · · · · · · ·	
Acenaphlhylene	353	·····	ug/Kg	U	YES			1			······:	·····:		i		 			

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

CampCarroll

Page 117 of 353

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-122-S1 Sample Date: 07/14/2011

Lab Report Batch: 31101879

Analysis Type: RES

Lab ID: SGSW

Sample Matrix: SO

Lab Sample ID: 31101879022

Reviewed By / Date:

#### Approved By / Date :

		Uncertainty /	Result	Lab	Ren	Overall						Lab		Ren	Moist	Field			······	CV/
Analyte Name	Result	Error	Units	Qual		Quat*		HT	МВ	LCS	MS	Dup	Surr			QC	Tune	iC	icv	CCV
Analysis Method : 8270D					Diluti	on: 1														
Anthracene	353		ug/Kg	U	YES					1		l	1	i i	l í					
Benzo(a)anthracene	353		ug/Kg	υ	YES							l		ĺ						1
Benzo(a)pyrene	353		ug/Kg	U	YES							1			]					1
Benzo(b)fluoranthene	353		ug/Kg	υ	YES						1				1					i
Benzo(g.h.i)perylene	353		ug/Kg	U	YES				ĺ										i	
Benzo(k)fluoranthene	353		ug/Kg	υ	YES															1
Bis(2-Chloroethoxy)methane	353		ug/Kg	U	YES							i								1
Bis(2-Chloroethyl)ether	353	,	ug/Kg	Ų	YES													,		
Bis(2-Chloroisopropyl)ether	353		ug/Kg	U	YES															1
Bis(2-Ethylhexyl)phthalate	28.1		ug/Kg	J	YES															
Butyl benzyl phthalate	353		ug/Kg	U	YES										ļ ļ					
Chrysene	353		ug/Kg	U	YES										1				1	
Dibenz(a,h)anthracene	353		ug/i(g	U	YES	}	1								i		1			
Dibenzofuran	353		ug/Kg	U	YES															ĺ
Diethyl phthalate	353		ug/Kg	U	YES		1								1					
Dimethyl phthalate	353	:	ug/Kg	U	YES		······								,					ĺ
Di-n-butyl phthatale	353	i	ug/Kg	U	YES				1								1			1
Di-n-octyl phthalate	353	i	ug/Kg	U	YES			1	1				}				]			
Fluoranthene	35.2	;	ug/Kg	J	YES	·····	1	i			ĺ									
Fluorene	353	:	ug/Kg	U	YES		1						i		i					1
Hexachlorobenzene	353	į	ug/Kg	U	YES		1		1	(					1					1
Hexachlorobutadiene	353		ug/Kg	U	YES	1	1	]	1			1	1					1		i
Hexachlorocyclopentadiene	353		ug/Kg	U	YES			1	1	· · · · · · · · · · · · · · · · · · ·		1			-		3	1		1
Hexachioroelhane	353		ug/Kg	U	YES		Ī	1	1	1	1	1	}				]			i
Indeno(1,2,3-cd)pyrene	353	:	ug/Kg	U	YES		 	<u>.</u>	······											
Isophorone	353	ĺ	ид/Кд	U	YES			1	1	1	I		1	1	1		I			1

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Date: 9/6/2011 08:22

Page 118 of 353

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-122-S1

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/14/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879022

Reviewed By / Date :

#### Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	£ab Quai	Rep Res	Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	1C	icv	CCV CCV
Analysis Method : 8270D					Dlluti	on: 1														
Naphthalene	353	1	ug/Kg	U	YES	:		1	1	l	l	l	1		<u> </u>		l	l	1	l
Nitrobenzene	353		ug/Kg	υ	YES				l		Ι.	i	1				[		1	1
n-Nitrosodi-n-propylamine	353		ид/Кд	U	YES				l	1	}	Ι .	1		1		1			
Pentachlorophenol	353	:	ug/Kg	U	YES	:					{				1					
Phenanthrene	353		ug/Kg	U	YES	:					[						1			
Phenol	353		ug/Kg	U	YES	;		1												1
Pyrene	353		ug/Kg	U	YES	:		l	1	]	 									1

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

ADR 8.2

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 119 of 353

Client Sample ID : E11-122-S2 Sample Date: 07/14/2011

Lab Report Batch: 31101879

Lab ID : SGSW

Lab Sample ID: 31101879023

Analysis Type: RES

Sample Matrix : SO

Reviewed By / Date :

Approved By / Date:

Analyte Name	Result	Uncertainty I Error	Result Units	Lab Qual		Overati Quai*		нт	МВ	LCS	MS	Lab Dup	c	Rep	Moist Tot/Dis	Field	Tune	IC	lCV	CCA CA1
Analysis Method : 6010C	Nesuk	E11 Of	UHRS		Dilutio		remp	n)	MD	LCS	MO	սսր	ourr	Limit	LOUDIS	wu	rune	10	100	CCV
Arsenic	3.32	: :	mg/kg		YES		1 1		1	I	 i		 I		I I		1 1		1	
Barium	115		mg/kg		YES				! 	! 	! I	' 	! 	! !	!! 		<u> </u>		! I	!
Cadmium	0,607		mg/kg		YES	IJ			!   U	! 	! 	! I	! !	i 1	<u> </u>		<u> </u>			1
Chromion	2.40	ii	mg/kg		YES		<u>'</u>		1	! !	! !	<u>1</u>	¦	<del> </del>	<u> </u>		ļ		! 	! !
Lead	11.4	<del> </del>	mg/kg		YES	J			! 	! 	 	J	! !		!! !		اا ا		!	<del> </del>
Selenium	0.647	:	mg/kg		YES				! !	!	! <b></b>	! <del>.</del>	!	 1	!	• • • • • • • • • • • • • • • • • • • •	!		! I	<u>!</u>
Silver	0.381		mg/kg	1	YES	U			lu	t I	1	i 	ł	1	1 1		1 : 1 :		i	1
Analysis Method : 7471B		l	mg.ng		Ditutio		1			!	!			3	1,3		!			
Mercury	0.0214	: :	mg/kg	บ	YES				I					 I	1 :		1		 !	
Analysis Method : 8081		1			Dilutio		!		'	ł	······································		!		!!		t		·	!
4,4'-DDD	10.5	: :	ид/Кд	U :	YES		ı		1	l				ı	1		1			
4.4'-DDE	10.5		ug/Kg	U	YES				\	! 				i	!! 		!i		' 	: [
4,4*DDT	10.5		ug/Kg	U	YES		!	'	' 		]				!i		!!   !			: I
Aldrin	10.5		ug/Kg	·····	YES			۔۔۔۔۔۔۔ ا	' 						: :		\			! !
alpha-8HC	10.5		ug/Kg		YES		<del>-</del>	ا							!! !		! <del>-</del>			: 
alpha-Chlordane	10.5		ug/Kg	t	YES		i	,							·		!			
beta-BHC	10.5	:	ug/Kg	U	YES		<u>-</u> i	·'						`	!! 			······		: I
Chlordane	35.1		ug/Kg		YES	i	 I	·'		' 					¦i	······	: <del>-</del> -			
delta-BHC	10.5	:	ug/Kg		YES			······'									i i	'۔۔۔۔۔ا		:
Dieldrin	10.5		ug/Kg	U	YES	i	i	·'		' 						······		ا ا	!	
Endosulfan I	10.5	·····	ug/Kg	U	YES:	······i	i	 I	 		·							ا ا	! 	
Endosulfan II	10.5	:	ug/Kg	U	YES	<u>'</u>	·i	·····	·								······		! 	
Endosulfan sulfale	10.5	· · · · · · · · · · · · · · · · · · ·	ug/Kg	U :	YES	······		······	······									ا ا	·i	
Endrin	10.5	·	ug/Kg	U	YES		····¦	\ I	·······/		٠٠٠٠٠٠٠١					! 1		' 1	·····!	
Endrin aldehyde	10.5	······	ug/Kg	U	YES		······!·		ئ ا	! 			ئى۔۔۔۔۔۔ ا	!	<u> </u>	!ا ا		! !		
Endrin ketone	10.5	::	ug/Kg	U	YES		····!-		·!	<u>'</u>	<u>-</u>			! !		! I		! I	!! ]	
gan\ma-BHC (Lindane)	10.5		ug/Kg	U	YES		! 		! 1	1	! )	1		!۔۔۔۔۔ا ا		! !		! 	! 	
g	. 1								!		1			1	!	!	, , , ,			

Project Number and Name:

ADR 8.2

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

Page 120 of 353

4824

<sup>\*</sup> Overalt result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-122-S2

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/14/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879023

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr		Moist ToUDis		Tune	IC	ICV	CCV
Analysis Method : 8081	.,				Ditutio	n: 1														
gamma-Chlordane	10.5		ug/Kg	Ų	YES				[											1
Heptachlor	10.5		ug/Kg	U	YES						1			ļ					l	
Heptachlor epoxide	10.5		ug/Kg	U	YES		1			1	1			}					l	
Methoxychlor	10.5		ug/Kg	U	YES															1
Toxaphene	35.1		ug/Kg	U	YES															1
Analysis Method : 8151					Dilutio	n: 1	******						••••							
2,4,5-T	0.0175		mg/kg	ប	YES															1
2,4,5-TP (Silvex)	0.0175		mg/kg	U	YES									}					l	1
2,4'-D	0.0175		mg/kg	U	YES															1
2,4-DB	0.0175		mg/kg	U	YES														1	1
Dicamba	0.0175		mg/kg	U	YES												1			1
Analysis Method : 8260B					Dilutio	n: 1														
1,1,1,2-Tetrachloroethane	4.67		ug/Kg	U	YES :			f										~~****		1
1,1,1-Trichioroethane	4,67		ug/Kg	U	YES		1				]									l
1,1,2,2-Tetrachioroethane	4.67		ug/Kg	u ;	YES		ı								i		}			
1,1,2-Trichloroelhane	4.67		ug/Kg	U	YES		[	l		1							1			
1,1-Dichloroethane	4.67		ug/Kg	U	YES :											1				1
1,1-Dichloroethene	4.67	:	ug/Kg	U	YES		1	1			i	1		,		i				1
1,1-Dichtoropropene	4.67		ид/Кд	υ	YES	ļ	1	1				1			1	]				l
1,2,3-Trichlorobenzene	4.67		ug/Kg	U	YES :	i	1	ı				1				1	1			
1,2,3-Trichloropropane	4.67		ug/Kg	U	YES	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	1				1					1			
1,2,4-Trichlorobenzene	4.67		ug/Kg	U	YES		1					I	1			1				1
1,2,4-Trimethylbenzene	4.67		ug/Kg	υ	YES		1	1				i		I		I				1
1,2-Dibromo-3-chloropropane	28.0		ug/Kg	U	YES		1	1	1			1								1
1,2-Dibromoethane	4.67		ug/Kg	U	YES :	·i		Ī		<u>.</u>		Ì	1		1	1	1			1
1,2-Dichlorobenzene	4.67		ug/Kg	U	YES :		i		1	1		i		·····i	i- 	i	1	<u>'</u>	· · · · · · · ·	
, . , ,			ug/Kg	U	YES													<i>:</i>	?	

Project Number and Name:

ADR 8.2

11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Date: 9/6/2011 08:22

Page 121 of 353

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-122-S2

Lab Report Batch: 31101879

Analysis Type: RES

Lab ID: SGSW

Sample Matrix: SO

Sample Date : 07/14/2011 Lab Sample ID: 31101879023

Reviewed By / Date :

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Quai*	Тетр	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	icv	CV/
Analysis Method : 8260B				*****************	Dilutio	on: 1														
1,2-Dichloropropane	4.67	;	ug/Kg	U	YES			]	1	1	!			}		,	1		1	Ī
1,3,5-Trimethylbenzene	4,67		ид/Кд	U	YES								1						1	1
1,3-Dichlorobenzene	4.67		ug/Kg	υ	YES	1		1							1 i					1
1,3-Dichloropropane	4.67	1	ug/Kg	ប	YES				1					!	1					
1,4-Dichlorobenzene	4.67		ug/Kg	U	YES															ĺ
2,2-Dichloropropane	4.67		ug/Kg	Ų	YES				1								1			1
2-Bulanone	23.4		ug/Kg	U	YES	Ī			l						]				1	1
2-Chiorotoluene	4.67		ug/Kg	υ	YES	i								}					1	1
2-Hexanone	11.7		ug/Kg	U	YES	į														
4-Chlorotoiuene	4.67		ug/Kg	U	YES	1000									1 1					
4-isopropyltoluene	4.67		ug/Kg	U	YES										l i				1	
4-Methyl-2-penlanone	11.7		ug/Kg	Ų	YES		J								l i					1
Acetone	8.26		ug/Kg	j	YES	J					i		J		1		l			1
Benzene	4.67		ug/Kg	U	YES		1				}				1					
Bramabenzene	4.67		ug/Kg	U	YES		1													
Bromachloromethane	4.67		ug/Kg	υ	YES		1													
Bromodichloromethane	4.67		ug/Kg	U	YES	!	I			ļ	1									l
Bromoform	4.67		ug/Kg	U	YES	-	1		J			1			I I		1			1
Bromomethane	4.67		ug/Kg	V	YES		1				1	1			)					1
Carbon disulfide	4.67		ug/Kg	υ	YES	1	1				ļ	1			1					
Carbon tetrachloride	4.67	i	ug/Kg	U	YES		I		1						1					1
Chlorobenzene	4.67		ug/Kg	U	YES	Į	1	]	1	ļ	İ					ı	-			
Chloroethane	4.67		ug/Kg	U	YES	1	]	l	1		- 1									
Chloroform	4.67		ug/Kg	U	YES			J				1			1		1			
Chloromethane	4.67	:	ug/Kg	υ	YES		1		1			1	1			ı			ii	I
cis-1,2-Dichloroelhene	4.67		ug/Kg	U	YES		1		1	1		1				1	I	· · · · · · · · · · · · · · · · · · ·	1	

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

Page 122 of 353

<sup>•</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-122-S2

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/14/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101879023

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overali Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	icv	CCV
Analysis Method : 8260B					Dilutio	n: 1														
cis-1,3-Dichloropropene	4.67	;	ug/Kg	υ	YES						į								1	1
Dibromochloromethane	4.67		ug/Kg	U	YES	1				l			[						l	1
Dibromomelhane	4.67		ug/Kg	U	YES	1														F
Dichlorodifluoromethane	4.67		ug/Kg	U	YES :						İ								1	-
Ethyl Benzene	4.67		ug/Kg	U	YES															1
Hexachlorobuladiene	4.67	:	ug/Kg	Ų	YES															1
isopropylbenzene (Cumene)	4,67	;	ug/Kg	U	YES														1	1
m,p-Xylene	9,35		ug/Kg	U	YES	}	1					i			1	į			1	
Methyl iodide	4.67		ug/Kg	U	YES	-								.,	i		į		1	1
Methylene chloride	1.33		ug/Kg	J	YES	IJ			υ				J							
Naphthalene	4.67		ug/Kg	V	YES		1						ĺ		1				Ì	
n-Bulylbenzene	4.67		ug/Kg	U	YES	1	ļ								j j		į			l
n-Propylbenzene	4.67		ug/Kg	U	YES	ì	1									)	1			1
o-Xylene	4.67		ug/Kg	U	YES															
sec-Butylbenzene	4,67		ug/Kg	U	YES		1													1
Styrene	4.67		ug/Kg	ប	YES					1	[									
tert-Butyl methyl ether (MTBE)	4.67		ug/Kg	ប	YES	1	1	1								1				1
tert-Butylbenzene	4.67	1	ug/Kg	U	YES	4	1	1		ĺ					i i	1	1			i
Tetrachloroethene	4.67		ug/Kg	υ	YES :			1								1	1			i
Toluene	4.67		ug/Kg	υ	YES :		1	1			1		ļ			1	1			i
trans-1,2-Dichloroethene	4.67		ug/Kg	U	YES		1	1		1	1	i	1			1	1			
trans-1,3-Dichloropropene	4.67		ug/Kg	U	YES	1		}		1	}		1							 J
trans-1,4-Dichloro-2-butene	23.4		ug/Kg	U	YES			1	1	i	i					1				1
Trichloroethene	4.67		ug/Kg	Ų	YES :			1				1				1				 !
Trichforofluoromelhane	4.67		ug/Kg	U Ì	YES		1	1	1			Ī		1		ĺ	1			
Vinyl chloride	4.67		ug/Kg	U	YES		1	I	1	· · · · · · · · · · · · · · · · · · ·		1		· · · · · · · · · · · · · · · · · · ·		1	1			
Analysis Method : 8270D					Dilutio	n: 1														

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

Page 123 of 353

\* Overalt result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

4837

Client Sample ID : E11-122-S2

Lab Report Batch: 31101879

Sample Date: 07/14/2011

Analysis Type: RES

Lab ID: SGSW

Sample Matrix: SO

Lab Sample ID: 31101879023

Reviewed By / Date:

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Quai*	l Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	1C	ICV	CCV
Analysis Method : 8270D					Diluti	on: 1							5							
1,2,4-Trichlorobenzene	348		ug/Kg	U	YES				1		1			ì						
1,2-Dichlorobenzene	348		ug/Kg	υ	YES					 	ļ			!				*		1
1,3-Dichlorobenzene	348		ug/Kg	U	YES	: :					!			<u></u>						l
1,4-Dichlorobenzene	348		ug/Kg	U	YES		1						1		1				[	1
2,4,5-Trichlorophenol	348		ug/Kg	U	YES	:	ì			l				1	ı		[		[	
2,4,6-Trichlorophenol	348		ug/Kg	U	YES		[ [		1					 	l		i i			
2,4-Dichlorophenol	348		ug/Kg	υ	YES		i i			[					1					
2,4-Dimethylphenol	348	:	ug/Kg	U	YES				1						[ ]		l			 
2,4-Dinitrotoluene	348	;	ug/Kg	U	YES		Į <b>I</b>										1			1
2,6-Dinitrotoluene	348		ug/Kg	U	YES		į													
2-Chloronaphthalene	348		ug/Kg	Ų	YES									 }	i i		1			
2-Chlorophenol	348		ug/Kg	U	YES		i i								1					
2-Methylnaphthalene	348		ug/Kg	U	YES		1								]					
2-Methylphenol	348		ug/Kg	υ	YES		1								l		1			
2-Nilroaniline	348		ug/Kg	U	YES		1								l i		l i			
2-Nitrophenol	348		ug/Kg	υ	YES		i 1								1					
3 and/or 4-Methylphenol	348		ug/Kg	U	YES										1					
3-Nitroaniline	348		ug/Kg	U	YES			1							1 1					
4-Bromophenyi phenyi ether	348		ug/Kg	U	YES		i i				1						1			
4-Chloro-3-methylphenol	348		ug/Kg	U	YES										1 1		1			
4-Chloroaniline	348		ид/Кд	U	YES	I					i								1	
4-Chlorophenyl phenyl ether	348		ug/Kg	U	YES :	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·		1	Ï								
4-Nitroaniline	348		ug/Kg	U	YES			1		ì	1	I							I	
4-Nitrophenol	348		ug/Kg	U	YES			1												
Acenaphthene	348	:	ug/Kg	υ	YES		1	ì		i			· · · · · · · · · · · · · · · · · · ·		1	·····ì	1	i		
Acenaphthylene	348		ug/Kg	u	YES		1	·······				· · · · · · · · · · · · · · · · · · ·			i i	i				

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Date: 9/6/2011 08:22

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manualty for categories not assessed by automated data review

Page 124 of 353



Client Sample ID : E11-122-S2

Lab Report Batch: 31101879

Sample Date : 07/14/2011 Lab Sample ID: 31101879023 Analysis Type: RES

Lab ID : SGSW

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty I Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	НT	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV
Analysis Method : 8270D	.,,				Dilutio	n: 1			*****************											
Anthracene	348	;	ид/Кд	U	YES			l	1				İ		I				I	
Benzo(a)anthracene	348		ug/Kg	U	YES															ĺ
Benzo(a)pyrene	348		ug/Kg	U	YES					ł			[		1				1	1
Benzo(b)fluoranthene	348	;	ug/Kg	U	YES															1
Benzo(g,h,i)perylene	348	;	ug/Kg	U	YES	İ							1						1	
Benzo(k)fluoranthene	348		ug/Kg	U	YES									İ	1					
Bis(2-Chloroethoxy)methane	348		ug/Kg	υ	YES									]						1
Bis(2-Chloroethyl)ether	348		ug/Kg	U	YES	{									{					
Bis(2-Chloroisopropyl)ether	348		ug/Kg	U	YES	i								į .	1 1					1
8is(2-Ethylhexyl)phthalate	348		ug/Kg	U	YES										1 :					1
Butyl benzyl phthalate	348		ug/Kg	U	YES :		- 1								<b>!</b> i					1
Chrysene	348		ug/Kg	U ;	YES	. 1														
Dibenz(a,h)anlhracene	348	;	ug/Kg	U	YES	1									1					
Dibenzofuran	348		ug/Kg	U	YES :	į	1													
Diethyl phthalate	348		ug/Kg	U	YES		1													
Dimethyl phthalate	348		ug/Kg	U	YES		1													
Di-n-butyl phlhalate	348	i	ug/Kg	U	YES									1						
Di-n-octyl phthafals	348	i	ug/Kg	U	YES	1		1		ļ	1				[ [		ĺ			
Fluoranthene	348		ug/Kg	U	YES		1		1	1										1
Fluorene	348		ug/Kg	U	YES :		1		1	1								1		1
Hexachlorobenzene	348		ug/Kg	U	YES			1			1	I						1		l
Hexachlorobutadiene	348		ug/Kg	U	YES	1	1	1	1		1						1	1		I
Hexachforocyclopentadiene	348	1	ug/Kg	U	YES	1	1	1	1	1	1	1					!			ſ
Hexachloroethane	348	:	ug/Kg	U	YES			1		1					1		- 1			1
indeno(1,2,3-cd)pyrene	348	:	ug/Kg	U	YES :	i	1	1	1	1		1			l	· · · · i	1	1		
Isophorone	348		ug/Kg	U	YES		1	I	1	1	1	1					1	1		1

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

Page 125 of 353

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-122-S2

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/14/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101879023

Reviewed By / Date :

Approved By / Date :

Anatyte Name	Result	Uncertainty / Error	Result Units	Lab Quaf	Rep Res	Overall Qual*	Тетр	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	icv	CCV
Analysis Method : 8270D					Diluti	on: 1														
Naphthalene	348		ug/Kg	U	YES	:						1			l i				1	
Nitrobenzene	348	;	ug/Kg	U	YES	;			1			}								
n-Nitrosodi-n-propylamine	348		ug/Kg	U	YES	: 1					1				1		1	.,,		1
Pentachlorophenol	348	;	ug/Kg	U	YES	: 1		1	1		1				1		1		1	1
Phenanthrene	348		ug/Kg	U	YES										1					1
Phenoi	348		ug/Kg	U	YES					 					1		i			1
Pyrene	348		ug/Kg	U	YES					1	1	i					i		1	1

Project Number and Name:

ADR 8.2

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

Page 126 of 353

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-122-S3

Reviewed By / Date :

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date : 07/14/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879024

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overall Qual	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	ıc	icv	CCA
Analysis Method : 6010C			e		Dilutio	on: 1														********
Arsenic	3.06		mg/kg		YES				1						1				1	
Barium	89,6		mg/kg		YES				1	1			1	[			ì		1	1
Cadmium	0.567		mg/kg		YES	U			U				l							l
Chromium	2.06		mg/kg		YES															
Lead	5.11		mg/kg		YES	J						J			1		[		i	1
Selenium	2.00	]	mg/kg	U	YES								1		i				1	1
Silver	0.424		mg/kg	J	YES	U			υ						1		1		i I	1
Analysis Method : 7471B					Dilutio	n: 1													<i></i>	
Mercury	0.0189	: :	mg/kg	U	YES								1						<u> </u>	1
Analysis Method : 8081					Dilutio	ภา: 1							*						·	
4,4'-DDD	10.1		ug/Kg	U	YES								l .		1 i				1	ī —
4,4'-DDE	10.1		ug/Kg	U	YES		1												1	1
4,4° DDT	10.1		ug/Kg	U	YES										1					1
Aldrin	10.1		ид/Кд	U	YES	,	1				<u>-</u>									1
alpha-BHC	10.1		ug/Kg	U	YES		1								l :		······································			1
alpha-Chiordane	10.1		ug/Kg	U	YES			i			}				l					1
beta-BHC	10.1		ug/Kg	V	YES															1
Chlordane	33.6		ug/Kg	Ų	YES															
delta-BHC	10.1		ug/Kg	U	YES		1								1		ii		ii	i
Dieldrin	10.1		ug/Kg	U	YES		·····				1					i	·····			i
Endosulfan i	10.1		ug/Kg	Ų	YES						····	i					1		i i	i
Endosulfan II	10.1		ug/Kg	U	YES		l			i							i			l
Endosulfan sulfate	10.1		ug/Kg	υ	YES	i	i	Ì	··		· · · · · · · · · · · · · · · · · · ·				  i	: ]	i			
Endrin	10,1		ug/Kg	U	YES		·····i	 			i					i			·	
Endrin aldehyde	10.1		ug/Kg	U	YES	i	i. I	i	·	<u>'</u>	······i	·······!	· · · · · · · · · · · · · · · · · · ·	i		·ì	<del>-</del>		······!	
Endrin ketone	10,1		ug/Kg	U	YES	i İ	i	······				<u>`</u>				i	·····		·!	
gamma-8HC (Lindane)	10.1	************	ug/Kg		YES											!			!	

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

ADR 8.2

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 127 of 353

Client Sample ID: E11-122-S3

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/14/2011

Reviewed By / Date:

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879024

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overall Qual*		нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC.	ICV	CCV
Analysis Method : 8081					Ditutio															
gamma-Chlordane	10.1		ug/Kg	U	YES	•••				1									1	[
Heptachlor	10.1		ug/Kg	U	YES		]		` 				: 						í I	1
Heptachlor epoxide	10.1		ug/Kg	U	YES					[			1				1			İ
Methoxychlor	10.1		ug/Kg	U	YES															1
Toxaphene	33.6		ug/Kg	U	YES										1					1
Analysis Method : 8151					Dilutio	n: 1														
2,4,5·T	0.0169		mg/kg	U	YES		1								l i		-			
2,4,5-TP (Silvex)	0.0169		mg/kg	U	YES		1							**	i				1	
2,4'-D	0.0169		mg/kg	υ	YES												}			l
2,4-DB	0.0169		mg/kg	U	YES		l													
Dicamba	0.0169		mg/kg	U	YES										l .		İ			
Analysis Method : 8260B					Dilutio	n: 1														
1,1,1,2-Tetrachioroethane	1.60	;	ug/Kg	U	YES	Į														1
1,1,1-Trichloroethane	4.60		ug/Kg	U	YES				1					į						1
1,1,2,2-Tetrachloroethane	4.60		ug/Kg	U	YES						į									
1,1,2-Trichtoroethane	4.60		ug/Kg	U	YES		. 1				;	1	1			1				
1,1-Dichloroethane	4.60		ug/Kg	U	YES :		1				ŀ	1	į				1			
1,1-Dichloroethene	4.60		ug/Kg	U	YES								1				ĺ			
1,1-Dichloropropene	4.60	;	ug/Kg	U	YES	i			1	}										1
1,2,3-Trichlorobenzene	4.60		ug/Kg	U	YES						1									1
1,2,3-Trichioropropane	4.60		ug/Kg	U	YES		1				ĺ	1	1					1		i
1,2,4-Trichlorobenzene	4.60		ug/Kg	U	YES ;	1	1				}	1	1			1	į			
1,2,4-Trimethylbenzene	4.60		ug/Kg	U	YES	1	i		1			1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							1
1,2-Dibromo-3-chloropropane	27.6		ид/Кд	υ	YES	Ì		1	1					1	1	1				ĺ
1,2-Dibromoethane	4.60		ug/Kg	U	YES :		1	1							1	1		1		ĺ
1,2-Dichlorobenzene	4.60		ug/Kg	U	YES		1			I	1	1	]			1				·····
1,2-Dichtoroethane	4.60		ug/Kg	υ	YES:	1	1	1	ĺ							i	1		ii	

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

Page 128 of 353

4832

<sup>\*</sup> Overali result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-122-S3

Lab Report Batch: 31101879

Sample Date: 07/14/2011 Lab Sample ID: 31101879024 Analysis Type: RES

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist ToVDIs		Tune	IC	ICV	CCV
Analysis Method : 8260B					Diluti	on: 1														
1,2-Dichloropropane	4.60		ug/Kg	U	YES	.							1	!	1				1	
1,3,5-Trimethylbenzene	4.60		ug/Kg	υ	YES						}	į	1		1					1
1,3-Dichlorobenzene	4.60		ug/Kg	U	YES		1			}		•								
1,3-Dichloropropane	4.60		ug/Kg	U	YES							 								l
1,4-Dichlorobenzene	4.60		ug/Kg	Ų	YES							 		ļ	1	******				
2,2-Dichloropropane	4.60		ug/Kg	U	YES		1				{				1				 	ĺ
2-Butanone	23.0		ug/Kg	U	YES						ļ	ļ	l		1	-*			 	Ì
2-Chlorotoluene	4.60	[	ug/Kg	U	YES	1						· · · · · · · · · · · · · · · · · · ·			1					1
2-Hexanone	11.5		ug/Kg	V	YES	1														
4-Chlorotoluene	4.60		ug/Kg	U	YES	i i					i				]				i	1
4-Isopropylloluene	4.60		ид/Кд	υ	YES		Ĭ				j .									
4-Methyl-2-pentanone	11.5		ug/Kg	U	YES	į									1		;			
Acelone	6.63		ug/Kg	J	YES	J							j j		1					ĺ
Benzene	4.60		ug/Kg	U	YES		- 1	- 1							1				1	1
Bromobenzene	4,60		ug/Kg	Ų	YES	,		1							1					
Bromochloromethane	4,60		ug/Kg	υ	YES	,,,,,,,,									1					1
Bromodichloromethane	4.60	į	ug/Kg	U	YES										l i		1			1
Bromoform	4.60	;	ug/Kg	U	YES	1	1										 			1
Bromomethane	4.60		ug/Kg	U	YES	1	1	1					]		1					
Carbon disulfide	4.60		ug/Kg	U	YES	ì	1	1							l					
Carbon felrachloride	4.60	Ĭ	ug/Kg	U	YES	1	1	I		i			i		i i					 
Chlorobenzene	4.60		ug/Kg	U	YES :	1		1												
Chloroethane	4.60	1	ug/Kg	U	YES		1									· · · · · · · · ·				
Chloroform	4.60		ug/Kg	U	YES	]	1	Ì		i			······			i			·:	 !
Chloromethane	4.60		ug/Kg	υ	YES	i.		1	············			· · · · · · · · · · · · · · · · · · ·							· · · · · · · · · · · · · · · · · · ·	
cis-1,2-Dichloroethene	4.60	1	ug/Kg	U i	YES							· · · · · · · · · · · · · · · · · · ·	i	i	1	: ا	 Î			

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 129 of 353

Lab ID: SGSW

Sample Matrix: SO

Client Sample ID: E11-122-S3

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date : 07/14/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101879024

Reviewed By / Date :

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CV/
Analysis Method : 8260B					Dituti	on: 1														
cis-1,3-Dichloropropene	4.60	1 !	ug/Kg	Ų	YES	:			[		ì	l	1	1	1					Ī
Dibromochforomethane	4.60		ug/Kg	Ų	YES				1				1	 				- <i>-</i>		Ī
Dibromomethane	4.60		ug/Kg	U	YES						 	•	1				i i			ĺ
Dichlorodifluoromethane	4.60		ug/Kg	U :	YES					1	1	 		 			!	!	1	
Ethyl Benzene	4.60		ug/Kg	U	YES		1		1		į									1
Hexachlorobutadiene	4.60		ug/Kg	U	YES	1				}				i	1			.,	[	
Isopropylbenzene (Cumene)	4.60		ug/Kg	U	YES		-					{		1						1
m,p-Xylene	9.19		ug/Kg	U	YES										1				1	1
Melhyl iodide	4.60		ug/Kg	U	YES								[		1				1	
Methylene chloride	1.24		ug/Kg	J	YES	עט	1		U				J				]		1	
Naphihalene	4.60		ug/Kg	U	YES		1													
n-Butylbenzene	4.60		ug/Kg	U	YES												i		1	1
n-Propyibenzene	4.60		ug/Kg	U	YES		1												]	
o-Xylene	4.60		ug/Kg	U	YES	!									1					
sec-Butylbenzene	4.60		ug/Kg	U	YES	1			-											1
Styrene	4.60		ug/Kg	U	YES				1											1
terl-Butyl methyl ether (MTBE)	4.60		ug/Kg	υ	YES	1	1		Ì											ĺ
tert-Butylbenzene	4.60		ug/Kg	U	YES		1			1					İ					(
Tetrachloroethene	4.60	1	ид/Кд	U	YES		1										i			1
Toluene	4.60	i	ug/Kg	U	YES				·····			1	3							1
trans-1,2-Dichloroethene	4.60		ug/Kg	U	YES	,						1			l i	1	1			
trans-1,3-Dichloropropene	4.60		ug/Kg	U	YES		1		1		1	I				1				1
trans-1,4-Dichloro-2-butene	23.0	1	ug/Kg	U	YES			1		]		I				Ī				 }
Trichloroethene	4.60		ug/Kg	U	YES							1	<u>-</u>						 	
Trichlorofluoromethane	4.60		ug/Kg	U	YES		i	1	·····i	i		1				Ì				
Vinyl chloride	4.60	1	ug/Kg	U	YES		ĺ	1	1	ا					 	1	i			
Analysis Method : 8270D		***************************************			Dilutio	n: 1														

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

DR 8.2

Report Date: 9/6/2011 08:22

Page 130 of 353

Overell result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-122-S3

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/14/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879024

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Resuit Units	Lab Quai		Overali Qual*		нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	iC	ICV	CCV
Analysis Method : 8270D					Diluti	on: 1														
1,2,4-Trichlorobenzene	342		ug/Kg	υ	YES	j					Į .		1				]			
1,2-Dichlorobenzene	342		ug/Kg	U	YES					[					l					
1,3-Dichlorobenzene	342		ug/Kg	U	YES								i		[ [					1
1,4-Dichlorobenzene	342	;	ид/Кд	U	YES								l	!					l	
2,4,5-Trichlorophenol	342		ug/Kg	U	YES	-	i i					}	ĺ						1	
2,4,6-Trichlorophenol	342		ug/Kg	U	YES	,							 		1					 
2,4-Dichlorophenol	342		ug/Kg	U	YES															
2,4-Dimethylphenol	342		ug/Kg	U	YES										1				1	
2,4-Dinitrololuene	342		ug/Kg	U	YES							!							i	1
2,6-Dinitrotoluene	342		ug/Kg	U	YES		1								]				1	
2-Chloronaphthalene	342		ug/Kg	U ;	YES		1								]					
2-Chlorophenol	342		ug/Kg	U	YES								1							
2-Methylnaphthatene	342		ug/Kg	U	YES														!	
2-Methylphenol	342		ug/Kg	U	YES				1			ĺ								
2-Nitroaniline	342		ug/Kg	U	YES				1	····	i									
2-Nitrophenal	342		ug/Kg	U	YES	į														.,
3 and/or 4-Melhylphenol	342		ug/Kg	υ	YES	i		1	1	i					i		Ì			
3-Nitroaniline	342		ug/Kg	U	YES	1	1	1			į	ı			,				1	
4-Bromophenyl phenyl ether	342		ug/Kg	U	YES	1				· · · · · · · ·	I	[				1	i			
4-Chloro-3-methylphenol	342	}	ug/Kg	U	YES	İ		1	i				i				1			
4-Chloroaniline	342		ug/Kg	υ	YES												1		l 1	
4-Chlorophenyl phenyl ether	342		ug/Kg	υ	YES		1	1	ĺ		1	1	1				i			
4-Nitroaniline	342		ug/Kg	U	YES	1	1	1	1		į	1	}		1					
4-Nitrophenol	342		ug/Kg	U	YES	1		1			1							i		
Acenaphthene	342		ug/Kg	U	YES			1						i		······i	}			
Acenaphthylene	342		ug/Kg	U	YES			·····	1		········	1		· · · · · · · · · · · · · · · · · · ·		:1 1		· · · · · · · · · · · · · · · · · · ·		

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used: Ca

Report Date: 9/6/2011 08:22

CampCarroll

ADR 8.2

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 131 of 353

Client Sample ID: E11-122-S3

Lab Report Batch: 31101879

Sample Date: 07/14/2011

Analysis Type: RES

Lab ID : SGSW

Sample Matrix: SO

Lab Sample ID: 31101879024

Reviewed By / Date :

#### Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overali Qual*		нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	ıc	icv	CCV
Analysis Method : 8270D					Dituti	on: 1														
Anthracene	342		ug/Kg	U	YES				1	]	l			l					Ī	Ī
Benzo(a)anthracene	342		ug/Kg	Ų	YES					1				1			1			
Benzo(a)pyrene	342		ug/Kg	U	YES	:					}			}						1
Benzo(b)fluoranthene	342		ug/Kg	U	YES						 !		1	 	1		(			ĺ
Benzo(g,h,i)perylene	342		ug/Kg	υ	YES	:					İ	 	1					· · · · · · ·	1	Ì
Benzo(k)fluoranthene	342		ug/Kg	U	YES										1				1	1
Bis(2-Chloroethoxy)methane	342		ид/Кд	U	YES									······	1				1	1
Bis(2-Chloroethyl)ether	342		ug/Kg	U	YES										l i				1	
Bis(2-Chioroisopropyl)ether	342		ug/Kg	U	YES										i i					1
Bis(2-Ethylhexyl)phthalale	342		ug/Kg	υ	YES		· · · · · · · · · · · · · · · · · · ·						 		1				<u> </u>	
Bulyl benzyl phthalale	342		ug/Kg	U	YES										1				 I	
Chrysene	342		ug/Kg	U	YES		i								1					1
Dibenz(a,h)anthracene	342		ug/Kg	υ	YES		1		· · · · ·								i			i
Dibenzoluran	342		ug/Kg	U	YES		i		, <u>.</u>						1				1	i I
Diethyl phlhalate	342		ug/Kg	U	YES		i										i i			i
Dimethyl phthalate	342		ug/Kg	U	YES		·i								l i		i		· 	i
Di-n-butyl phthalate	342		ug/Kg	U	YES		i								i					1
Di-n-octyl phthalate	342		ug/Kg	U	YES		· · · · · i	 	}								1			: 
Fluoranthene	342	1	ug/Kg	U	YES		i	· · · · · · · · · · · · · · · · · · ·	1			······			,					i
Fluorene	342		ug/Kg	U	YES		1												i	: I
Hexachlorobenzene	342		ug/Kg	υ	YES			ا							l					
Hexachiorobuladiene	342		ug/Kg	U	YES :	1						Ì					1			1
Hexachlorocyclopentadiene	342		ug/Kg	υ	YES			·]	ĺ			i								i
Hexachloroethane	342		ug/Kg	U	YES				<u>/</u>	 	<u>-</u>	······				:				 }
Indeno(1,2,3-cd)pyrene	342	·····	ug/Kg	U	YES	·····i	i	i	i			·····i	······ ;			······				 
sophorone	342	····	ug/Kg	U	YES	i	····i							· · · · · · · · · · · · · · · · · · ·		········!		ا	`	

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

CampCarroll

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 132 of 353

Client Sample ID : E11-122-S3

Lab Report Batch: 31101879

Lab ID ; SGSW

Sample Date: 07/14/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101879024

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Ffeld QC	Tune	IC	ICV	CV/
Analysis Method : 8270D					Diluti	on: 1	,		·		************			or comments of		· /			./	
Naphthalene	342		ug/Kg	U	YES			1		]					1				1	
Nitrobenzene	342		ug/Kg	Ų	YES	:				1	!				1			l	ŀ	1
n-Nitrosodi-n-propylamine	342		ug/Kg	U	YES	:			1	i	-	2	1				į	į	l	1
Pentachiorophenol	342		ug/Kg	U	YES	:			1	1			1		[			ł	1	1
Phenanthrene	342		ug/Kg	Ų	YES				1	1			l		]		1		1	1
Phenol	342		ug/Kg	U	YES					1					1				1	1
Pyrene	342		ug/Kg	U	YES					1										

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

CampCarroll

ADR 8.2

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 133 of 353

Client Sample ID : E11-122-S4

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date : 07/14/2011 Lab Sample ID: 31101879025 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Łab Qual	Rep Res	Overali Qual*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist ToUDis		Tune	IC	ícv	CC/
Analysis Method : 6010C		/A/A/A/A/A/A/A			Ditutio	n: 1														
Arsenic	5.37		mg/kg		YES		]							ļ			1			ī
Badum	92,4		mg/kg		YES														1	1
Cadmium	0.624		mg/kg		YES	U			U						1				i	l
Chromium	2.62		mg/kg		YES														i	
Lead	7.60		mg/kg		YES	J						J								1
Selenium	1.91	;	mg/kg	U	YES										]				[	1
Silver	0.362		mg/kg	J	YES	U			U			********			i i					
Analysis Method : 7471B					Dilutio	ก: 1														
Mercury	0.0209		mg/kg	υ	YES						i !				1 :					1
Analysis Method : 8081					Dilutio	n:1														
4,4'-DDD	10.6	;	ug/Kg	U	YES		ļ				i				}		Ĭ			1
4,4'-DDE	10.6		ug/Kg	U	YES							1			i					
4,4-001	10.6		ug/Kg	V	YES															j
Aldrin	10.6	į	ug/Kg	U	YES	ì	i								l :					1
alpha-BHC	10.6	į	ug/Kg	U	YES		Ì													
alpha-Chiordane	10.6		ug/Kg	υ	YES :							i			i					
beta-BHC	10.6		ид/Кд	υ	YES:	}				,		1							.,,	
Chlordane	35.4		ug/Kg	U	YES						(	1			1					1
delta-BHC	10.6		ug/Kg	U	YES		1		·····								i			1
Dieldrin	10.6	;	ug/Kg	U	YES :		1					1				I	1			 
Endosulfan I	10.6		ug/Kg	U	YES		1		1	1		1	۱۱				}			 
Endosulfan II	10.6	1	ug/Kg	U	YES			1		1		1								
Endosulian sulfate	10.6		ug/Kg	υ	YES :			1			,	Ì				1				
Endrin	10.6		ug/Kg	U	YES :	······	·····i	ı	1	 		········ ]		· · · · · · · ·	1	i	······		·i	 
Endrin aldehyde	10.6	*********************	ug/Kg	U	YES	·······			1	<i></i>	 		1	· · · · · · · · · · · · · · · · · · ·	}	<u>`</u>	······	·í		
Endrin ketone	10.6		ug/Kg	U	YES			Ì	<u>:</u>			i i		i		: 	·····	i		
gamma-BHC (Lindane)	10.6		ug/Kg	U	YES	·i	······i	1		·	·i	······		····-i			···	i		

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

Page 134 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-122-S4

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/14/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101879025

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	мв	LCS	MS	Łab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	icv	CCV
Analysis Method : 8081	***************************************				Diluti	on: 1									*************					
gamma-Chlordane	10.6		ug/Kg	U	YES				[		ļ	Į	İ	í			1			
Heptachlor	10.6		ug/Kg	υ	YES					1	)									
Heptachlor epoxide	10.6		ug/Kg	U	YES						i .						[		]	
Methoxychlor	10.6		ug/Kg	U	YES								1	]			1		1	i
Toxaphene	35.4		ug/Kg	U	YES		١						ĺ						1	
Analysis Method : 8161					Diluti	on: 1														
2,4,5-T	0.0172		mg/kg	Ų	YES															1
2,4,5-TP (Silvex)	0.0172		mg/kg	U	YES							i	i							1
2,4'-D	0.0172		mg/kg	U	YES		1		1			i							]	
2,4-DB	0.0172		mg/kg	U	YES												,		1	[
Dicamba	0.0172		mg/kg	V	YES		1							(	l i					1
Analysis Method : 8260B					Dilutio	on: 1														
1,1,1,2-Telrachioroethane	4.80		иу/Ку	U	YES								i i				i			
1,1,1-Trichloroethane	4.80		ug/Kg	U	YES															
1,1,2,2-Yetrachloroethane	4.80	į	ug/Kg	U	YES											1				1
1,1,2-Trichloroethane	4.80	;	ug/Kg	U	YES	İ	1													1
1,1-Dichloroethane	4.80	į	ug/Kg	U	YES		l						į		j					i
1,1-Dichloroelhene	4.80		ug/Kg	U	YES	i											1			1
1,1-Dichloropropene	4,80		ug/Kg	U	YES	,	1			}										1
1,2,3-Trichlorobenzene	4.80	}	ug/Kg	υ	YES	(	1	1												1
1,2,3-Trichloropropane	4.80	;	ug/Kg	U	YES	i	1													i
1.2,4-Trichlorobenzene	4.80	;	ug/Kg	U	YES	IJ	1	l			UJ					Ï				1
1,2,4-Trimethylbenzene	4.80		ug/Kg	U	YES :	ชม			1	ļ	UJ					1	1			1
1,2-Dibromo-3-chloropropane	28,8		ug/Kg	U	YES			1		1		1				Ï				
1,2-Dibromoethane	4.80	;	ug/Kg	υ	YES		1	Ī						1	i	Ì	1			
1,2-Dichlorobenzene	4.80		ug/Kg	U	YES			1	1				1			1				
1,2-Dichloroethane	4.80		ug/Kg	U	YES				i		1	i	1	······		······i		i		

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

t Overell consist a

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for calegories not assessed by automated data review

Page 135 of 353

Client Sample ID : E11-122-S4

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date : 07/14/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879025

Reviewed By / Date:

#### Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Quai*		нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	icv	CCV
Analysis Method : 8260B					Dilutie	on: 1														
1,2-Dichloropropane	4,80		ug/Kg	U	YES					1									1	
1,3,5-Trimethylbenzene	4.80		ug/Kg	U	YES															Ī
1,3-Dichlorobenzene	4.80		ug/Kg	U	YES				1											ĺ
1,3-Dichloropropane	4.80		ug/Kg	U	YES				1										1	1
1,4-Dichlorobenzene	4.80		ug/Kg	U	YES															1
2,2-Dichloropropane	4.80		ug/Kg	U	YES		i I								l i					1
2-Butanone	24.0	i	ug/Kg	υ	YES		ı													i
2-Chlorotoluene	4.80		ug/Kg	U	YES				1										İ	
2-Hexanone	12.0		ug/Kg	U	YES									· · · · · · · · · · · · · · · · · · ·						1
4-Chlorotoluene	4.80		ug/Kg	U	YES															į
4-Isopropylloluene	4.80		ug/Kg	υ	YES				· · · · · ·											1
4-Methyl-2-pentanone	12.0		ug/Kg	U	YES		1										1			
Acetone	6,54		ug/Kg	J	YES	j	1		1		J }		J							1
Benzene	4.80		ug/Kg	υ	YES		1													1
Bromobenzene	4.80		ug/Kg	U	YES	, - ,	1						I							1
Bromochloromethane	4.80		ug/Kg	U	YES							1								1
Bromodichloromethane	4.80		ug/Kg	U	YES				1		j	1			}		,,			i
Bromoform	4.80		ug/Kg	U	YES		i		1		í	1								i
Bromomethane	4.80		ug/Kg	U	YES		1				i	1								i
Carbon disulfide	4.80	1	ug/Kg	U	YES		1	1												 I
Carbon tetrachloride	4.80		ид/Кд	U	YES	· · · · · · · · · · · · · · · · · · ·					········									1
Chlorobenzene	4.80		ug/Kg	U	YES		1					1	/	   	·····	· · · · · · · · · · · · · · · · · · ·				·
Chloroethane	4.80		ug/Kg	U	YES	·····i	1	1	 			······`	i	· · · · · · · · · i		i	······		·······	 
Chloroform	4.80		ug/Kg	U	YES	i	i.	<u>:</u>		ا ا		i	<u>'</u>		i	·i	i			
Chloromethane	4.80		ug/Kg	υ	YES	· · · · · · · · · · · · · · · · · · ·	·····i	ì	·······		······i	······:					·········			
cis-1,2-Dichloroethene	4.80	1	ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		······:	·····	i	·		1	·····	· · · · · · · · · · · i	!	

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

ADR 8.2

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 136 of 353

Client Sample ID: E11-122-S4

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date : 07/14/2011 Lab Sample ID: 31101879025 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overal Qual*	l Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	ic	icv	CCV
Analysis Method : 8260B					Dilutio	on: 1			/											
cis-1,3-Dichloropropene	4.80		ug/Kg	U	YES		1		[	1									1	
Dibromochloromelhane	4.80		ид/Кд	U	YES									i						1
Dibromomethane	4.80		ug/Kg	υ	YES				1											1
Dichlorodifluoromethane	4.80		ug/Kg	U	YES									!					1	
Ethyl Benzene	4.80		ug/Kg	U	YES		1				,									
Hexachlorobutadiene	4.80	i	ug/Kg	U	YES		ì I										1		l	1
Isapropylbenzene (Cumene)	4.80		ug/Kg	U	YES		i [								į į	-	1		[	1
m.p-Xylene	9.61		ug/Kg	U	YES															1
Melhyl iodide	4.80		ид/Кр	U	YES													****	l	ĺ
Methylene chloride	1.80		ug/Kg	J	YES	ĐĴ	1		u		j		J							
Naphthalene	4.80		ug/Kg	U	YES	UJ	[ ]				UJ									
n-Butylbenzene	4.80		ug/Kg	υ	YES		i I													
n Propylbenzene	4.80		ug/Kg	U	YES	**	i i	I								1				
o-Xylene	4.80		ug/Kg	υ	YES	*****	i						· · · · · · · · ·			1	i			
sec-Bulyibenzene	4.80		ug/Kg	U	YES															1
Slyrene	4.80		ug/Kg	U	YES	IJ	į				UJ					· · · · · · · · · · · · · · · · · · ·				l
lert-Bulyl methyl ether (MTSE)	4.80		ug/Kg	U	YES		1	]			]					Ì				i
lert-Bulylbenzene	4.80		ug/Kg	U	YES						1			· · · · · ·	j	ì	i			I
Tetrachloroelhene	4.80	:	ug/Kg	Ų	YES		1	1				1	· · · · · · · i		Í	1	1			
Toluene	4.80	;	ug/Kg	U	YES			ı		· · · · · · · · · · · · · · · · · · ·		i		1			}	 		
rans-1,2-Dichloroethene	4.80	:	ug/Kg	U	YES			1	1								1	············		i
rans-1,3-Dichloropropene	4.80		ug/Kg	υ	YES				l		i	1				i	1			
rans-1,4-Dichloro-2-butene	24.0	1	ug/Kg	Ų	YES			Ì			· · · · · · · · · · · · · · · · · · ·				j	i			· · · · · · · ·	
Trichtoroethene	4.80		ug/Kg	U	YES			Ì								1	1			
Trichlorofluoromethane	4.80	1	ug/Kg	U	YES	IJ		Ì	1		UJ	   		i	i			· 1	· · · · · · · · · · · · · · · · · · ·	
/inyl chloride	4.80	1	ug/Kg	u :	YES :		1	 				· · · · · · · ·		······	i				! 	

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used: Report Date: 9/6/2011 08:22

CampCarroll

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 137 of 353

Client Sample ID : E11-122-S4

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/14/2011 Lab Sample ID: 31101879025 Analysis Type: RES

Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

***************************************													***************************************							
Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Quaf*		нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	ıc	icv	CCV
Analysis Method : 8270D					Dlluti	on: 1														
1,2,4-Trichlorobenzene	357		ug/Kg	Ų	YES	<i>}</i>			1				1		1				1	l
1,2-Dichlorobenzene	357		ug/Kg	U	YES					1	1								l	
1,3-Dichlorobenzene	357		ug/Kg	U	YES						}									
1,4-Dichlorobenzene	357		ug/Kg	U	YES	:			1						1				1	
2,4,5-Trichlorophenol	357		ug/Kg	U	YES				1		. <u></u>				1				1	1
2,4,6-Trichlerophenol	357		ug/Kg	U	YES										1				1	1
2,4-Dichlorophenol	357		ug/Kg	U	YES	:								İ						1
2,4-Dimethylphenol	357	:	ug/Kg	U	YES							 		1	[ [				1	[
2,4-Dinitrotoluene	357		ug/Kg	U	YES					f										1
2,6-Dinitrololuene	357		ug/Kg	U	YES										1					1
2-Chloronaphthalene	357	l	ug/Kg	U	YES															[
2-Chiorophenol	357		ug/Kg	U	YES										i i					
2-Melhyhaphthalene	357		ug/Kg	U	YES															
2-Methylphenol	357		ug/Kg	U	YES										1		,			
2-Nitroaniline	357		ug/Kg	U	YES															
2-Nitrophenol	357		ug/Kg	U	YES										1					
3 and/or 4-Methylphenol	357		ug/Kg	U	YES															
3-Nitroaniline	357		ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·								l					
4-Bromophenyi phenyi elher	357		ug/Kg	U	YES	i	1		I								j			
4-Chloro-3-melhyiphenol	357		ug/Kg	U	YES												1		i i	
4-Chloroaniline	357		ug/Kg	U	YES					.,		1					ii			
4-Chlorophenyl phenyl ether	357		ug/Kg	U	YES						1	1								
4-Nitroaniline	357		ug/Kg	U	YES		1		 ا											
4-Nitrophenol	357		ug/Kg	U	YES	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	········	·······	······i				············			· · · · · · · · · · · · · · · · · · ·	
Acenaphthene	357	i	ug/Kg	U	YES	· · · · · · · · · · · · · · · · · · ·	i	,, 	! I			·······	: ا			:i	······		···········	
Acenaphthylene	357		ug/Kg	U	YES	:i			········	· · · · · · · · · · · · · · · · · · ·	·······	i i	<i>:</i>			:i			······i	

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Date: 9/6/2011 08:22

Page 138 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-122-S4

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/14/2011 Lab Sample ID: 31101879025 Analysis Type: RES

Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Result	Uncertainty / Error	Result Units	Lab Qual				нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit		Field QC	Tune	IC	ICV	CCA
				Diluti	on: 1														
357		ug/Kg	U	YES						:			İ	1				1	
357		ug/Kg	U	YES									1						1
357		ug/Kg	U	YES									1	1				[	1
357		ug/Kg	U	YES															
357		ug/Kg	U	YES		I								;					Ī
357		ug/Kg	U	YES														i	1
357		ug/Kg	U	YES									1					1	1
357		ug/Kg	U	YES														/ 	i
357		ug/Kg	U	YES														 	1
357		ug/Kg	U	YES										i				1	
357	[	ид/Кд	U	YES		1								}				i I	
357		ug/Kg	U	YES		1		j										: 	i
357		ug/Kg	U	YES		1												 	: [
357		ug/Kg	U	YES		i i								1					
357	************	ug/Kg	U	YES		i		 		······						ì			i I
357		ug/Kg	υ	YES		i	·······	·····											! 
357		ug/Kg	U	YES		1	Ì	í		: 1	······							' 	:
357		ug/Kg	U	YES			ì	· · · · · · · · · · · · · · · · · · ·		·····				·i		i			: 
357		ug/Kg	U	YES		i	i	······	 I		ì			1	: 			'	! 
357		ug/Kg	U	YES		i							· · · · · · · · · · · · · · · · · · ·						!
357	)	ug/Kg	U	YES		i		1			· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·					!
357	ì	ug/Kg	U	YES		i	Î	1	نــــــــــــــــــــــــــــــــــــ		······				···· ···· ·				! [
357		ug/Kg	U	YES			ì	1					······· :	i.	:i	i		· · · · · · · · · · · · · · · · · · ·	
357		ug/Kg	U	YES		i- 	······	·		ن ا	 		· <u>:</u>						 
357		ug/Kg	υ	YES	i	i.	<u>/</u>		······· '	·····i	i	i	· · · · · · · · · · · · · · · · · · ·		٠				············
357		ug/Kg	U	YES		·····-i-													
	357 357 357 357 357 357 357 357 357 357	Result Error  357 357 357 357 357 357 357 357 357 35	Result         Error         Unlits           357         ug/Kg	Result         Error         Units         Qual           357         ug/Kg         U           357         ug/Kg	Result	Result	Result	Result	Result	Result	Result	Result	New York   See   County   Temp   HT   MB   LCS   MS   Dup   Surr	Result	Result   Error   Units   Qual   Res   Qual   Temp   HT   MB   LCS   MS   Dup   Surr   Limit   Tot/Dis	Result   Error   Units   Qual   Res   Qual   Temp   HT   MB   LCS   MS   Dup   Surr   Limit   Tot/Dis   QC	Result   Error   Units   Qual   Res   Qual   Temp   HT   MB   LCS   MS   Dup   Surr   Limit   Tot/Dis   QC   Tune	Result   Error   Units   Qual   Res   Qual   Temp   HT   MB   LCS   MS   Dup   Surr   Limit   Tet/Dis   QC   Tune   C   C   C   C   C   C   C   C   C	Result   Error   Units   Qual   Res   Qual   Temp   HT   MB   LCS   MS   Dup   Surr   Limit   Tet/Dis   QC   Tune   C   ICV

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Date: 9/6/2011 08:22

Page 139 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-122-S4

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/14/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101879025

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty I Error	Result Units	Lab Qual	Rep Res	Overall Quai*	Temp	нт	мв	LCS	MS	Lab Đup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CCV
Analysis Method : 8270D					Diluti	on: 1														
Naphthalene	357		ug/Kg	U	YES							!	1							
Nitrobenzene	357		ug/Kg	U	YES	:			[	1			1	į					l	ĺ
n-Nitrosodi-n-propylamine	357		ug/Kg	U	YES				1	1	į		 		l				1	ĺ
Pentachlorophenol	357		ug/Kg	U	YES				1		}		1						t	]
Phenanthrene	357		ug/Kg	υ	YES															1
Phenol	357		ug/Kg	U	YES								1						1	1
Pyrene	357		ug/Kg	U	YES														i	1

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

Page 140 of 353

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-123-S1

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/15/2011 Lab Sample ID: 31101879032 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :							App	rovec	By /	Date										
Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overail Qual*	Temp	нт	мв	LCS	мѕ	Lab Dup	Surr		Moist Tot/Dis		Tune	IC	ICV	CV /
Analysis Method : 6010C					Diluti	on: 1													·/····································	
Arsenic	3.83		mg/kg		YES	:					i		]	1				ļ	l	I
Barium	67.3		mg/kg		YES				1	i		]		[	1		1			F
Cadmium	0.647		mg/kg		YES	U			U	l		[	l		1			1	1	Ī
Chromium	5.37		mg/kg		YES						 		1	1	1	******		1	1	Ī
Lead	16.9		mg/kg		YES	J					<u> </u>	J	1	į			ì		l	Ī
Selenium	2.22		mg/kg	U	YES			**		1		 	1	}			i		i	i
Silver	0.273		mg/kg	J	YES	U	· · · · · · · · · · · · · · · · · · ·		U		1	 			1		` 		i 	ĺ
Analysis Method : 7471B				•••••	Diluti	on: 1														
Mercury	0.00248		mg/kg	J	YES		1				}			<u> </u>				Í	1	
Analysis Method : 8081					Dlluti	on: 1														
4,4'-DDD	10.9	,	ug/Kg	U	YES		1								] j					1
4,4'-DDD	10.9	j	ug/Kg	U	YES		1						l							[
4,4'-DDE	10.9		ug/Kg	U	YES	- 1	1								i l					I
4,4'-DDE	10.9	;	ug/Kg	ย	YES										i i					ĺ
4,4'-DDT	10.9		ug/Kg	U	YES										1					
4,4'-DDT	10.9		ug/Kg	U	YES										i					
Aldrin	10.9		ug/Kg	υ	YES	į									i i					
Aldrin	10.9		ug/Kg	U	YES		Ĭ	·····												i
alpha-BHC	10.9	1	ug/Kg	U	YES			ĺ		,,,,,,,,,,										1
alpha-BHC	10.9		ug/Kg	V	YES	ļ											1	• • • • • • • •		Ì
alpha-Chiordane	10.9	i	ug/Kg	U	YES														' 	: 
alpha-Chlordane	10.9		ug/Kg	U	YES	1	1	]										•••••		i
beta-BHC	10.9		ug/Kg	U	YES			Ì			}				1		·······			i
bela-BHC	10.9	1	ug/Kg	U	YES			1								·······				 I
Chlordane	36.3		ug/Kg	υ	YES		······					 		<u>:</u>			· · · · · · · ·			: 
Chlordane	36.3		ug/Kg	U	YES		i.	i			<del>-</del>			·i				• • • • • • • • • • • • • • • • • • • •		i I
della-BHC	10.9	·····	ug/Kg	U	YES :			1		ا				!						

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

Page 141 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-123-S1

Lab Report Batch: 31101879

Sample Date: 07/15/2011 Lab Sample ID: 31101879032 Analysis Type: RES

Lab ID: SGSW

Sample Matrix : SO

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*		нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	icv	CCV
Analysis Method : 8081					Dilutio	on: 1														***************************************
delta-BHC	10.9		ug/Kg	U	YES	:	f 1				l								1	1
Dieldrin	10.9		ug/Kg	U	YES														1	1
Dieldrin	10.9		ug/Kg	υ	YES						1			1		******				
Endosulfan i	10.9		ug/Kg	U	YES									}						
Endosulfan I	10.9		ug/Kg	U	YES		1												1	1
Endosulfan II	10.9		ug/Kg	U	YES								[						1	1
Endosulfan II	10.9		ug/Kg	U	YES										1		[		1	
Endosulfan sulfale	10.9		ug/Kg	υ	YES									}						1
Endosulfan sullale	10.9		ug/Kg	U	YES		İ							}	[	• • • • • • • •	i			1
Endrin	10.9		ug/Kg	U	YES		1								1					1
Endrin	10.9		ug/Kg	υ	YES	**	I													1
Endrin aldehyde	10.9		ug/Kg	ឋ	YES				·····											1
Endrin aldehyde	10.9	i	ug/Kg	U	YES															i 
Endrin kelone	10.9		ug/Kg	U	YES															i
Endrin kelone	10.9		ug/Kg	U	YES															i I
gamma-BHC (Lindane)	10.9		ug/Kg	U	YES		1	· · · · · · · · · · · · · · · · · · ·	1								i			: 
gamma-BHC (Lindane)	10.9		ug/Kg	U	YES		1		i	i		1								i
gamma-Chlordane	10.9		ug/Kg	Ų	YES	I	1				(		i		1		1			! 
gamma-Chiordane	10.9		ug/Kg	U	YES		1	ì												!
Heptachior	10.9		ug/Kg	U	YES				· · · · · · · · · · · · · · · · · · ·	 !										¦
Heptachtor	10,9		ug/Kg	U	YES		1		· · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		i	:			·······				 
Heptachlor epoxide	10.9		ug/Kg	U	YES		1		1						i	······				: I
Heptachlor epoxide	10.9	1	ug/Kg	υ	YES		i					i		······	i.	<u>'</u>				:
Methoxychlor	10.9	·	ug/Kg	U	YES	······	<u>:</u> .				۱ ا	! 	<i>:</i>					'۔۔۔۔۔ا		: <i>'</i> 
Methoxychlor	10.9		ug/Kg	Ü	YES			ì			· · · · · · · · · · · · · · · · · · ·				i	······		لِــــــــــــــــــــــــــــــــــــ		' , , , , , , ' 
Toxaphene	36.3	·····	ug/Kg	U	YES :	;	····i		·······		· · · · · · · · · · · · · · · · · · ·					! 		! I		

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

Page 142 of 353

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-123-S1 Sample Date: 07/15/2011

Lab Report Batch: 31101879

Analysis Type: RES

Lab ID: SGSW

Lab Sample ID: 31101879032

Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual* Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Fleid QC	Tune	IC	łCV	CCV
Analysis Method : 8081					Dilutio	on: 1		//////////////////////////////////////	***********										
Toxaphene	36.3		ug/Kg	ប	YES	1	1			}			i						Ī
Analysis Method : 8151					Dllutio	on: 1													
2,4,5-T	0.0183	;	mg/kg	U	YES	ł		ı	1				!						
2,4,5-T	0.0183		mg/kg	U	YES	1		l											
2,4,5-TP (Silvex)	0.0183		mg/kg	U	YES		1	1		ĺ				1					1
2,4,5-TP (Silvex)	0.0183		mg/kg	U	YES		1				1			1					ĺ
2,4'-D	0.0183	,	mg/kg	U	YES	1	1						į	1 1					1
2,4'-D	0.0183		mg/kg	U	YES			1					<u> </u>	1					1
2,4-DB	0.0183	[	mg/kg	υ	YES		1	1					}	i i					1
2,4-DB	0.0183		mg/kg	υ	YES	i	1												[
Dicamba	0.0183		mg/kg	U	YES														]
Dicamba	0.0183		mg/kg	Ų	YES			]			1								1
Analysis Method : 8260B					Dilutio	n: 1													
1,1,1,2-Tetrachloroelhane	4.86		ug/Kg	U	YES :	ı	1									;			
1,1,1-Trichloroelhane	4.86		ug/Kg	υ	YES :						·····								1
1,1,2,2-Tetrachloroethane	4.86		ug/Kg	υ	YES						1								
1,1,2-Trichloroethane	4.86		ug/Kg	U	YES:	1					·····i						1		1
1,1-Dichloroethane	4.86		ug/Kg	υ	YES		i										1		
1,1-Dichloroethene	4.86		ug/Kg	U	YES		i		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							1	********		[
1,1-Dichloropropene	4.86	i	ug/Kg	U	YES		 				i			1		1		,	
1,2,3-Trichlorobenzene	4.86		ug/Kg	U	YES	1					1								1
1,2,3-Trichloropropane	4.86	:	ug/Kg	U	YES ?														
1,2,4-Trichlorobenzene	4.86		ug/Kg	U	YES			í			i	i				······	· · · · · · · · · · · · · · · · · · ·		1
1,2,4-Trimethylbenzene	4.86		ug/Kg	U	YES		l	 	 }		i	 			<u>`</u>	<i>:</i>	<u>-</u> I		1
1,2-Dibromo-3-chloropropane	29.2		ug/Kg	U	YES :						   	: ا				<u>:</u>	<u>-</u> 1	· · · · · · · · · · · · · · · · · · ·	 I
1,2-Dibromoethane	4.86		ug/Kg	υ	YES		:		i	 	<u>-</u>	'۔۔۔۔۔۔ ا	i	i			·······	 	 
1,2-Dichlorobenzene	4.86	····	ug/Kg	v	YES:	1	:			<u>:</u>	<del>:</del>	'۔۔۔۔۔۔ا							

Project Number and Name:

ADR 8.2

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

Page 143 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-123-S1

Lab Report Batch: 31101879

Lab ID: SGSW

Page 144 of 353

Sample Date: 07/15/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101879032

Reviewed By / Date:

Approved By / Date :

	***************************************	11	Deside			0					***************************************			D	Malas	FLIA				-011
Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*		нт	MB	LCS	MS	Lab Dup	Surr		Moist Tot/Dis		Tune	IC	łCV	CCV
Analysis Method : 8260B					Diluti	on: 1														
1,2-Dichloroethane	4.86		ug/Kg	U :	YES	:			l			i								
1,2-Dichloropropane	4.86		ug/Kg	U	YES		{		1	1			l						1	1
1,3,5-Trimethylbenzene	4.86		ug/Kg	U	YES									!					1	
1,3-Dichlorobenzene	4.86		ug/Kg	U	YES		1					!			1					
1,3-Dichloropropane	4.86		ug/Kg	U	YES															ĺ
1,4-Dichlorobenzene	4.86		ug/Kg	υ	YES								1							
2,2-Dichloropropane	4.86		ug/Kg	U	YES						_,,,,,,								1	
2-Butanone	7.47		ug/Kg	J	YES	j					_,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	J						1	
2-Chlorotoluene	4.86		ид/Кд	U	YES				 				[							1
2-Hexanone	12.1		ug/Kg	U	YES		l		· · · · · · · · · · · · · · · · · · ·						1		1			
4-Chlorotoluene	4.88	;	ug/Kg	U	YES		i i		· · · · · · · · · · · · · · · · · · ·				<u> </u>		l		[ [			
4-isopropytoluene	4.86		ug/Kg	U	YES										ĺ					i
4-Methyl-2-pentanone	12.1		ug/Kg	U	YES		1													1
Acetone	53.4		ug/Kg		YES	J							J		ĺ					1
Benzene	4.86		ug/Kg	υ	YES					1					i		· · · · · · · · ·			1
Bromobenzene	4.86		ug/Kg	ป	YES										i i					ĺ
Bromochloromelhane	4.86		ug/Kg	U	YES		1				I				l i					1
Bromodichloromethane	4.86		ug/Kg	U	YES		i								j					[
Bromoform	4.86		ид/Кд	U	YES		1	 							i		1			(
Bromomelhane	4.86		ug/Kg	U	YES		1	i		1	I	1	i			i				
Carbon disulfide	4.86		ug/Kg	U	YES	į	1	1		f		1					1			
Carbon Letrachloride	4.86		ug/Kg	U	YES		1	1	1			1							·	
Chlorobenzene	4.86		ug/Kg	U	YES		1								l				ii	
Chloroethane	4.86		ug/Kg	U	YES		<u>-</u> -					· · · · · · · ·			1				i i	 
Chloroform	4.86		ug/Kg	U	YES	   	·······!		'ا	······		· · · · · · · · · · · · · · · · · · ·			<u>.</u>		i		!	
Chloromethane	4.86	·····	ug/Kg	u i	YES		········		1			 ا			i	·······				

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used:

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-123-S1

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/15/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879032

Reviewed By / Date :

# Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overali Qual*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	icv	CCV
Analysis Method : 8260B					Dilutio	n: 1							** *** ** *****************************							
cis-1,2-Dichloroethene	4.86		ug/Kg	U	YES	-	- 1			:				1						
cis-1,3-Dichtoropropene	4.86		ug/Kg	U	YES	1					}		1					• • • • • • • • • • • • • • • • • • • •	1	i i
Dibromochloromethane	4.86		ug/Kg	U	YES	í	1								1					
Dibromomelhane	4.86	Ì	ug/Kg	U	YES		1							!	l i					
Dichlorodifluoromethane	4.86		ug/Kg	U	YES		·····													
Elhyl Benzene	4.86		ug/Kg	υ	YES	1	·····i							1						
Hexachlorobutadiene	4.86		ug/Kg	υ	YES	)								1	1	,,				l
Isopropylbenzene (Cumene)	4.86		ug/Kg	U	YES		Ī										1			1
m,p-Xylene	9.72		ug/Kg	บ	YES		·····i												1	1
Melhyl iodide	1.34		ug/Kg	J	YES	J							j	ļ			}			
Methylene chloride	1.70		ug/Kg	J	YES	UJ ]			U				J		i				i	
Naphthalene	4.86		ug/Kg	U	YES	1	1	1												
n-Bulylbenzene	4.86		ug/Kg	U	YES :			[		· · · · · · ·										
n-Propylbenzene	4.86		ug/Kg	U	YES						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									
o-Xylene	4.86		ug/Kg	U ;	YES		l	1	1											
sec-Bulyibenzene	4.86		ug/Kg	U	YES		1	1	l	·····										
Styrene	4.86	-	ug/Kg	U	YES	i	ı	ı		······	 I	1			í		1	1		i i
tert-Sutyl methyl ether (MTBE)	4.86		ug/Kg	U	YES	]					· · · · · · · · · · · · · · · · · · ·	I					1	1		ĺ
tert-Butylbenzene	4.86		ug/Kg	υ	YES	)	1		1	1		1					· · · · · · · · ·			1
Tetrachioroethene	4.86		ug/Kg	U	YES	i	Ï	1	1			1			1		Î			1
Toluene	4.86		ug/Kg	U	YES		1	1	1			1	i	· · · · · ·	1		1			
trans-1,2-Dichloroethene	4.86		ug/Kg	U	YES	·····	1	ı	I						[		1			
trans-1,3-Dichloropropene	4.86		ug/Kg	υ	YES :		1	1									1	1		
trans-1,4-Dichloro-2-butene	24.3		ug/Kg	υ	YES			1			·····		!		·····	······i		i		<del>-</del>
Trichtoroethene	4.86		ug/Kg	U	YES		1		1			i		i	i.	i	î	!		i
Trichlorofluoromethane	4.86	·····	ug/Kg	U	YES		i	1						· · · · · ·		······ì		) 		

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

Page 145 of 353

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-123-S1

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date : 07/15/2011 Lab Sample ID: 31101879032 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	i.ab Qual	Rep Res	Overal Qual*	l Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CCV
Analysis Method : 8260B					Diluti	on: 1														
Vinyl chloride	4.86		ug/Kg	U	YES				]	-		1	]	ļ	l				l	
Analysis Method : 8270D					Diluti	on: 1									.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
1,2,4-Trichlorobenzene	363		ug/Kg	Ų	YES	:	i 1		1		į				1 1					
1,2-Dichlorobenzene	363		ид/Кд	U	YES				1					İ						
1,3-Dichlorobenzene	363	)	ug/Kg	U	YES														1	
1,4-Dichlorobenzene	363		ug/Kg	υ	YES								1		l				1	
2,4,5-Trichlorophenol	363		ug/Kg	υ	YES		1												}	
2,4,6-Trichlorophenol	363		ug/Kg	U	YES	;	1						1						1	
2,4-Dichlorophenol	363		ug/Kg	U	YES		[ ]						1		1					
2,4-Dimethylphenol	363	}	ug/Kg	V	YES															
2,4-Dinitrolotuene	363		ug/Kg	υ	YES		1						i							
2,6-Dinitrotoluene	363		ug/Kg	U	YES		1								i		İ			
2-Chloronaphthalene	363		ug/Kg	U	YES								1							
2-Chlorophenol	363		ug/Kg	υ	YES															1 1
2-Methylnaphthalene	363		ug/Kg	U	YES		}								ı		1			l f
2-Methylphenol	363		ug/Kg	υ	YES		1					,			İ					
2-Nitroaniline	363		ug/Kg	U	YES		1													
2-Nitrophenol	363		ug/Kg	υ	YES										}					
3 and/or 4-Methylphenol	363		ug/Kg	U	YES		! !													1
3-Nitroaniline	363		ид/Кд	U	YES		Į								1					1
4-Bromophenyl phenyl ether	363	i	ug/Kg	U	YES		]									I				1
4-Chloro-3-methylphenol	363		ug/Kg	U	YES		1													1
4-Chtoroaniline	363	Ì	ug/Kg	U	YES											1	1	 		 
4-Chlorophenyl phenyl ether	363	Ì	ug/Kg	U	YES				1							Ì	1	j		
4-Nitroaniline	363	!	ug/Kg	ប	YES		I		1	<u>:</u>				i	1	· · · · · · · · · · · · · · · · · · ·		i		: 
4-Nitrophenol	363		ug/Kg	U	YES			<u>.</u> 		· · · · · · · · · · · · · · · · · · ·	<u>`</u>			<u>-</u>	i	······				
Acenaphthene	363		ug/Kg		YES		i	·'		<del>-</del>			·	! 1		·······		را ا		· · · · · · · · · · · · · · · · · · ·

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 146 of 353



Client Sample ID : E11-123-S1

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date : 07/15/2011 Lab Sample ID: 31101879032 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quat	Rep Res	Overall Quai*		нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Tune	IC	icv	CCV
Analysis Method : 8270D					Dilutio											 			
Acenaphthylene	363		ug/Kg	U	YES				1	]		ì	l						Ī
Anthracene	363		ug/Kg	U	YES					i	;				i i	 			i
Benzo(a)anthracene	363		ug/Kg	υ	YES	:				i	 			1	1	 		1	1
Benzo(a)pyrene	363		ug/Kg	U	YES		i i			i 	i 			 !	1	 1 1		1	1
Benzo(b)fluoranthene	363	i i	ug/Kg	U	YES						·		 	i	İ i	 1		!	1
Benzo(g,h,i)perylene	363		ug/Kg	U	YES						: ]		: 	i 	i i	 		1	1
Benzo(k)fluoranthene	363	!	ug/Kg	U	YES		1				i		;	! !	i i	 		( <i></i>	1
Bis(2-Chloroelhoxy)methane	363		ид/Ко	U	YES						 [	: 	:	: 	i i	 		i	İ
Bis(2-Chloroelhyl)elher	363		ug/Kg	U	YES	•••••			 				i		1	 			i
Bis(2-Chloroisopropyl)ether	363		ug/Kg	U	YES	• • • • • • • • • • • • • • • • • • • •				, 					i :i	 ! 		1	i
Bis(2-Elhylhexyl)phthalate	363		ug/Kg	U	YES										i i	 ì		 	i
Butyl benzyl phthalate	363		ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·								1	 i		 	
Chrysene	383		ug/Kg	U	YES		i		· · · · · · · ·						ii	 			i
Dibenz(a,h)anthracene	363		ug/Kg	U	YES				· · · · · · · · · · · · · · · · · · ·						1	 			i
Dibenzofuran	363		ug/Kg	U	YES										ii	 			i
Diethyl phthalate	363		ug/Kg	υ	YES	 						· · · · · · · · · · · · · · · · · · ·			ii	 			; 
Dimethyl phthalate	363		ug/Kg	U	YES		i								1				
Di-n-bulyl phihalate	363	;	ug/Kg	U	YES		·····i								1	 · · · · · · · · · · · · · · · · · · ·			l
Di-n-octyl phthalate	363		ug/Kg	U	YES		·····i			·					 I	   			1
Fluoranthene	363		ug/Kg	υ	YES :	······	i.			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·				i i	 :		' 	1
Fluorene	363	· · · · · · · · · · · · · · · · · · ·	ug/Kg	υ	YES		······································			/						 !			1
Hexachiorobenzene	363	1	ug/Kg	U	YES	·i		·······'			· · · · · · · · · · · · · · · · · · ·				/ 	 i' I			1
Hexachlorobuladiene	363		ug/Kg	U	YES	l	!. [			:ا ا		······				 :			1
Hexachlorocyclopentadiene	363	·····	ug/Kg	U	YES:	<u>'</u>	1	 		· · · · · · · · · · · · · · · · · · ·					i	 : \ 			
Hexachloroethane	363	·····	ug/Kg	υ	YES :	!		······				···········			i	 			
Indeno(1,2,3-cd)pyrene	363	······	ug/Kg	U	YES	í	· · · · · · · · · · · · · · · · · · ·	۱ ا								 			

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

ampCarroll

ADR 8.2

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 147 of 353

Client Sample ID : E11-123-S1

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/15/2011 Lab Sample ID: 31101879032 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	£ab Qual	Rep Res	Overail Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	(CV	CCV
Analysis Method : 8270D					Diluti	on: 1												.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Isophorone	363		ug/Kg	υ	YES	:				1	ì	1		1	1			ì	1	Ī
Naphthalene	363		ug/Kg	U	YES	:						}							1	I
Nitrobenzene	363		ug/Kg	U	YES									 	1					
n-Nitrosodi-n-propylamine	363		ид/Кд	U	YES	:	,,,,,,,,,				1			 	1					
Pentachiorophenoi	363		ug/Kg	U	YES	:				1	1			}				}		1
Phenanthrene	363		ug/Kg	ឋ	YES					1		1					i			1
Phenol	363		ug/Kg	U	YES					1							ì Ì			1
Pyrene	363		ug/Kg	U	YES				1			 							i	1

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

ADR 8.2

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 148 of 353

Client Sample ID: E11-123-S2

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/15/2011 Lab Sample ID: 31101879033 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Quai*		нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	ic	ICV	CCV
Analysis Method : 6010C	••••••				Diluti	on: 1														
Arsenic	3.37		mg/kg		YES		,								1 1				1	1
Barium	111		mg/kg		YES	:									1				1	
Cadmium	0.753		mg/kg		YES	:								1	İ i					
Chromium	3.75	[	mg/kg		YES				1		}			5						
Lead	13.4		mg/kg		YES	J	}					J								1
Selenium	0,671		mg/kg	J	YES		}			1					]		[			ĺ
Silver	0.335		mg/kg	J	YES	U			U										i	
Analysis Method : 7471B					Diluti	on: 1														
Mercury	0.0207		mg/kg	U	YES						1								[	
Analysis Method : 8081					Diluti	on: 1														
4,4'-DDD	10.6	:	ug/Kg	U	YES					1									1	
4,4'-DDE	10.6		ug/Kg	U	YES										1					i
4,4 DDT	10.6		ug/Kg	U	YES										1		i			[
Aldrin	10.6	Ì	ug/Kg	U	YES															
alpha-BHC	10.6	Ì	ug/Kg	U	YES		1													
alpha-Chlordane	10.6		ug/Kg	U	YES										1					
beta-BHC	10.6		ug/Kg	υ	YES							]					i			l
Chlordane	35.2	:	ug/Kg	U	YES														, ,	
delta-BHC	10.6		ug/Kg	υ	YES		· · · · · · · · · · · · · · · · · · ·													
Dieldrin	10.6		ug/Kg	υ	YES						i	]								
Endosulfan I	10.6		ug/Kg	υ	YES		I	1							1					
Endosulfan li	10.6		ug/Kg	υ	YES							i	1		1					]
Endosulfan sulfate	10.6		ug/Kg	U	YES	 		i		<u>-</u>	i	i	i							 I
Endrin	10.6		ug/Kg	U	YES			i	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	i								: [
Endrin aldehyde	10.6		ug/Kg	U	YES		i	 j		f		·······	 ا	i			 			 
Endrin ketone	10.6		ug/Kg	υ	YES	· · · · · · · · · · · · · · · · · · ·		·······					i I	<u>'</u>						
gamma-BHC (Lindane)	10.6		ug/Kg	U	YES:	i			' ا		٠١	i	<u>-</u>	<u>-</u>						 

Project Number and Name:

ADR 8.2

11-032E - 11-032E Carroll Agent Orange

Library Used: C

CampCarroll

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 149 of 353

Report Date: 9/6/2011 08:22

Client Sample ID : E11-123-S2

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date : 07/15/2011 Lab Sample ID: 31101879033 Analysis Type: RES

Sample Matrix : SO

Reviewed By / Date :

Approved By / Date:

And the Name		Uncertainty /	Result	Lab		Overall					мо	Lab		Rep	Moist		T	′0	(0)	CVI
Analyte Name	Result	Error	Units	Qual		Quai*	lemp	HT	МВ	LCS	MS	Dup	Surr	Limit	Tot/Dis	ЦC	Tune	(C	(CV	CCV
Analysis Method : 8081	<del> </del>				Diluti	on: 1														
gamma-Chlordane	10.6	{······	ug/Kg	U	YES	ļ	l		<u> </u>	<u>!</u>			<u> </u>	İ	ļ		ļ		<u> </u>	
Heptachior	10.6	<u> </u>	ug/Kg		YES		<u> [</u>	l	<u> </u>	<u>!</u> .	<u> </u>	l	<u> </u>	l	<u> </u>		<u> </u>		<u> </u>	<u> </u>
Heptachlor epoxide	10.6	ļ	ug/Kg	U	YES	<u> </u>	<u> </u>	l	<u> </u>	<u> </u>		!	<u> </u>		<u> </u>		l			Í
Methoxychlor	10.6	<u> </u>	ug/Kg	U	YES	<u> </u>	<u>                                       </u>			<u> </u>	<u> </u>		l				l			<u> </u>
Toxaphene	35.2		ug/Kg	υ	YES				1	1			<u> </u>		1		<u> </u>			1
Analysis Method : 8151			de-2000 en 1		Diluti	on: 1														
2,4,5-T	0.0177		mg/kg	U	YES				1	1	l		[		L					i
2,4,5-TP (Silvex)	0,0177		mg/kg	U	YES															1
2,4°-D	0.0177		mg/kg	U	YES															į
2,4-DB	0.0177		mg/kg	U	YES															1
Dicamba	0.0177		mg/kg	U	YES										1 !					1
Analysis Method : 8260B					Dilutio	on: 1														
1,1,1,2-Tetrachloroethane	4.75		ug/Kg	U	YES	: 1														
1,1,1-Trichloroethane	4.75		ug/Kg	U	YES										ļ					
1,1,2,2-Tetrachloroelhane	4,75		ug/Kg	U	YES		1		l					*****	1					
1,1,2-Trichloroethane	4.75		ug/Kg	U	YES										1		i i	1		
1,1-Dichloroethane	4.75		ug/Kg	υ	YES	· · · · · · · · · · · · · · · · · · ·				i i					<b>i</b> ;		i i			
1,1-Dichloraethene	4.75		ug/Kg	υ	YES										i			1		
1,1-Dichloropropene	4.75		ug/Kg	U	YES					· · · · · · · · · · · · · · · · · · ·							i			
1,2,3-Trichlorobenzene	4.75		ug/Kg	U	YES												· · · · · · · · · · · · · · · · · · ·	' ا	· · · · · · · · · · · · · · · · · · ·	
1,2,3-Trichloropropane	4.75		ug/Kg	U	YES		i	······				:ن ا			1	······i		 ا	i	
1,2,4-Trichlorobenzene	4.75	•	ug/Kg	U	YES											: ا	· · · · · · · ·	 I	<u>'</u>	
1.2.4-Trimethylbenzene	4.75		ug/Kg	U	YES		!.		·	i		i	· · · · · · · · · · · · · · · · · · ·			!ا ا		' 1		
1,2-Dibromo-3-chloropropane	28.5	<del>-</del>	ug/Kg	u ;	YES		! 	اا ا	<i>!</i>	! !			ا. ا			! 	 ;	!	!	
1,2-Dibromoethane	4.75		ug/Kg	U	YES	!		اا	! !		ئــــــــــــــــــــــــــــــــــــ	1	! 1		!! !	! 1				
1,2-Dichlorobenzene	4.75		ug/Kg	U	YES	i		· <u>'</u>	! I	<u>?</u>						!	·····	!		• • • • • • • • • • • • • • • • • • • •
1,2-Dichloroethane	4,75		ug/Kg	U	YES							!					<u>.</u>			••
1,2-Dichioroethalle	: 4.75;		nawd :		16.5		l l	ı	Į	1	- 1					!	i			

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used: Report Date: 9/6/2011 08:22

CampCarroll

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 150 of 353

Client Sample ID : E11-123-S2

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/15/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879033

Reviewed By / Date :

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*		нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CCV
Analysis Method : 8260B					Diluti	on: 1														
1,2-Dichloropropane	4.75		ug/Kg	U	YES									1	1					ī
1,3,5-Trimethylbenzene	4.75		ug/Kg	U	YES			**				]	l				1			l
1,3-Dichlorobenzene	4.75		ug/Kg	υ	YES						1	ĺ			1					
1,3-Dichloropropane	4.75		ug/Kg	U	YES		1			l	1		f		1		[		]	
1,4-Dichlorobenzene	4.75		ug/Kg	U	YES		1							!					1	Ĭ.
2,2-Dichloropropane	4.75		ug/Kg	U	YES					[	 		i	}					[	
2-Butanone	2.92		ug/Kg	J	YES	j	1						J		į J		i i		 	1
2-Chlorotoluene	4.75	;	ug/Kg	U	YES		ĺ						ĺ		i i					
2-Hexanone	11.9		ug/Kg	U	YES		ì				Í		 		i i					
4-Chiorololuene	4.75		ug/Kg	U	YES														İ	
4-isopropylloluene	4.75		ug/Kg	U ;	YES							i							Ì	1
4-Methyl-2-pentanone	11.9	;	ид/Кд	U	YES		1			)										1
Acetone	17.0		ug/Kg	J	YES	J							J		<b>i</b> i		1			
Benzene	4.75		ug/Kg	U ;	YES		····													
Bromobenzene	4.75		ug/Kg	U	YES	1		1							1					
Bromochloromethane	4.75		ug/Kg	U	YES		·····	1							1					1
Bromodichloromethane	4.75		ug/Kg	U	YES			1						.,	1		i			•
Bromoform	4.75		ug/Kg	υ	YES	1	1					1			1	i				1
Bromomethane	4.75	:	ug/Kg	U	YES		ĺ	1			i					1				1
Carbon disulfide	4.75		ug/Kg	U	YES			1		3	Ï	· · · · · · · · · · · · · · · · · · ·			1					· · · · · · · · · · · · · · · · · · ·
Carbon tetrachloride	4.75		ug/Kg	υ	YES			1								1				
Chlorobenzene	4.75		ug/Kg	U	YES	1						1				I	Į			Į
Chloroethane	4.75	:	ug/Kg	U	YES	1	ı	Ī		· · · · · · · · · · · · · · · · · · ·	-	1							 	
Chloroform	4.75		ug/Kg	U	YES :			1	1			1	ì			Ì				
Chloromelhane	4.75		ug/Kg	U	YES		1	I	1							· · · · · · · · · · · · · · · · · · ·				
cis-1,2-Dichloroethene	4.75		ug/Kg	υ	YES:		i	1									·····			

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used: C

CampCarroll

ADR 8.2

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 151 of 353

Client Sample ID : E11-123-S2

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/15/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879033

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overati Qual*		нт	MB	LCS	мs	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Fleid QC	Tune	IC	ICV	GV / GGV
Analysis Method : 8260B					Dilutio	n: 1									****************		***************************************			
cis-1,3-Dichloropropene	4.75		ug/Kg	U	YES					1	-	ļ		İ					1	
Dibromochloromethane	4.75		ug/Kg	U	YES															
Dibromomethane	4.75		ug/Kg	U	YES															i
Dichlorodilluoromethane	4.75		ug/Kg	U	YES	••••													1	1
Ethyl Benzene	4.75		ug/Kg	U	YES					]									l	1
Hexachlorobutadiene	4.75		ug/Kg	U	YES						1									
Isopropylbenzene (Cumene)	4,75		ug/Kg	U	YES					1										
m,p-Xylene	9,51		ug/Kg	U	YES			I												
Methyl iodide	4.75		ug/Kg	U	YES		I													
Methylene chloride	1.72		ug/Kg	J	YES	IJ			U				J						1	
Naphthalene	4.75		ug/Kg	U	YES			]												
n-Butylbenzene	4.75		ug/Kg	U	YES		1	1		1					i i		i i			
n-Propylbenzene	4.75		ug/Kg	U	YES					[					1		]			
o-Xylene	4.75		ug/Kg	U	YES		ĺ	ļ												
sec-Bulylbenzene	4.75		ug/Kg	U	YE5		Ì	1												
Slyrene	4.75		ug/Kg	U	YES															
tert-Bulyi methyl ether (MTBE)	4.75		ug/Kg	U	YES		1	Ì												
tert-Bulyibenzene	4.75	:	ug/Kg	U	YES												1			
Tetrachloroethene	4,75		ug/Kg	U	YES :		1	Ī					]							
Toluene	4.75		ug/Kg	U	YES	· · · · · · · · · · · · · · · · · · ·	1	1			· · · · · · · · · · · ·	·····i				· · · · · · · · · · · · · · · · · · ·				
trans-1,2-Dichloroethene	4.75	}	ug/Kg	U	YES			1				i	i		····i	······				
trans-1,3-Dichloropropene	4.75		ид/Кд	V	YES										1					
trans-1,4-Dichloro-2-butene	23.8	1	ug/Kg	U	YES														· · · · · · · · · ·	
Trichloroethene	4.75		ug/Kg	U	YES		i	Î	· · · · · · · · · · · · · · · · · · ·			······	i	· · · · · · · · · · · · · · · · · · ·	i		i			
Trichlorofluoromethane	4.75		ug/Kg	U	YES	i		ï	 I	: 		·····			·····i	·····i			·!	
Vinyl chloride	4.75		ug/Kg	U	YES	 ا	<u>.</u> .	ï	 j		i	·····ì		·······	····i	······ì	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · i	
Analysis Method : 8270D					Difutio	n: 1			/					!						

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

CampCarroll

ADR 8.2

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 152 of 353

Client Sample ID: E11-123-S2 Sample Date: 07/15/2011

Lab Report Batch: 31101879

Analysis Type: RES

Lab ID : SGSW

Sample Matrix: SO

Lab Sample ID: 31101879033

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual		нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CCV
Analysis Method : 8270D					Dilutio	n: 1							********							
1,2,4-Trichlorobenzene	360	:	ug/Kg	V	YES					]				1	}		1			
1,2-Dichlorobenzene	360		ug/Kg	U	YES															1
1,3-Dichlorobenzene	360		ug/Kg	U	YES				1											1
1,4-Dichlorobenzene	360		ug/Kg	U	YES				1										1	
2,4,5-Trichlorophenol	360		ug/Kg	U	YES												1		i	
2,4,6-Trichtorophenol	360		ug/Kg	υ	YES									[	1		[			ļ
2,4-Dichlorophenol	360		ug/Kg	U	YES					1				İ					1	
2,4-Dimethylphenol	360		ug/Kg	U	YES													• • • • • • • • • • • • • • • • • • • •		
2,4-Dinitrotoluene	360		ug/Kg	U	YES															1
2,6-Dinitrotoluene	360		ug/Kg	U	YES														 	i
2-Chloronaphthalene	360		ид/Кд	Ų	YES												1			}
2-Chlorophenol	360		ug/Kg	U	YES							i								i
2-Methylnaphthalene	380		иу/Ку	U	YES	1					}									
2-Methylphenol	360		ug/Kg	U	YES		i										1			i
2-Nitroaniline	360		ug/Kg	U	YES	· · · · · · · · · · · · · · · · · · ·	·····i				······	i					i		i	: }
2-Nitrophenol	360		ug/Kg	U	YES	· · · · · · · · · · · · · · · · · · ·	i	······		······i		·····					!			: 
3 and/or 4-Methylphenol	360		ug/Kg	U	YES							1	 		1		i i			 
3-Nitroaniline	360		ug/Kg	υ	YES	i	]					······	· · · · · · · · · · · · · · · · · · ·				i			i
4-Bromophenyi phenyi ether	360		ug/Kg	U	YES	1	1	 									i			
4-Chioro-3-methylphenol	360		ug/Kg	U	YES			i												: }
4-Chloroaniline	360		ug/Kg	U	YES		i		 											
4-Chlorophenyl phenyl ether	360		ug/Kg	U	YES			 							1		i			
4-Nitroaniline	360		ug/Kg	U	YES :		i 						i			i			·	
4-Nitrophenol	360	······	ug/Kg	U	YES	i 	1			ئــــــــــــــــــــــــــــــــــــ	i			! !		'	`^.   }			
Acenaphihene	360	·····	ug/Kg	U	YES :		··· · · · i			· · · · · · · · · · · · · · · · · · ·	:			i	i		 		·	
Acenaphthylene	360		ug/Kg	U :	YES :				!											

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used:

ADR 8.2

Report Date: 9/6/2011 08:22

Page 153 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-123-S2

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/15/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879033

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV
Analysis Method : 8270D					Diluti						.,									
Anthracene	360	ì	ид/Кд	U	YES	i i	- 1			1	l		1	i	i		1		Ī	Ī
Benzo(a)anthracene	360		ug/Kg	U	YES					1		į			1		i		1	1
Benzo(a)pyrene	360		ug/Kg	U	YES					1	1						i I		1	
Benzo(b)fluoranthene	360		ug/Kg	U	YES		1				}				i i		[		1	
Benzo(g,h,i)perylene	360		บg/Kg	U	YES		i			1	 				l					1
Benzo(k)fluoranthene	360		ug/Kg	U	YES						 	}	i		Í		:		1	1
Bis(2-Chloroethoxy)methane	360	i	ug/Kg	U	YES	1				l		1					` 		1	1
Bis(2-Chloroethyl)ether	360		ug/Kg	U	YES		·i			/ 	!		1				:		i I	i
Bis(2-Chlorolsopropyl)ether	360		ug/Kg	U	YES	]	Ì				· · · · · · · · · · · · · · · · · · ·		i					!	1	i
Bis(2-Ethylhexyl)phthatate	360		ug/Kg	U	YES	<u>;</u>	1				 		İ		i					
Butyl benzyl phthalate	360		ug/Kg	Ų	YES					1	 	ļ			i i				1	1
Chrysene	360		ug/Kg	Ų	YES		1				]				į				1	i
Dibenz(e,h)anthracene	360		ug/i(g	U	YES						: <i>-</i>	!			i				í Í	i
Dibenzofuran	360		ug/Kg	Ų	YES	1						ļ			1					1
Diethyl phthalate	360		ug/Kg	υ	YES		1	1				}								i
Dimethyl phthalate	360		ug/Kg	U	YES		1	1						• • • • • • • • •	1					
Di-n-butyl phihalate	360		ug/Kg	บ	YES														i	i
Di-n-octyl phihalate	360		ug/Kg	U	YES					.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			i							
Fluoranthene	360		ug/Kg	υ	YES		ĺ								i				l	
Fluorene	360		ug/Kg	U	YES		1	1												i
Hexachiorobenzene	360		ug/Kg	U	YES		1	1					1				i		l	1
Hexachlorobutadiene	360		ug/Kg	U	YES	1		Ì							ĺ					
Hexachlorocyclopenladiene	360	1	ug/Kg	U	YES	1	···· i							,		   				
Hexachloroethane	360		ug/Kg	υ	YES		j	1								i				
ndeno(1,2,3-cd)pyrene	360		ид/Кд	U	YES	i	<u>i</u> -	i	 								············	• • • • • • • • •		
sophorone	360	·····	ug/Kg	U	YES								3			·······			·	

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

Page 154 of 353

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-123-S2

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/15/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879033

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Resuit Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Fleid QC	Tune	IC	ICV	CCA
Analysis Method : 8270D					Diluti	on: 1														
Naphlhalene	360		ug/Kg	U	YES	)			1				1				1	ļ		1
Nitrobenzene	360		ug/Kg	U	YES	:					1	!	1	į				(		1
n-Nitrosodi-n-propylamine	360		ug/Kg	U	YES	: 1			[	1	i i	1	1	1	1		1			
Pentachlorophenol	360	,	ug/Kg	U	YES				1	l	1	}	1				i		1	1
Phenanthrene	360		ug/Kg	U	YES	:			l								l		-	1
Phenol	360		ug/Kg	U	YES												}		1	1
Pyrene	360		ug/Kg	Ų	YES					1			 				 	}		l

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 155 of 353



Client Sample ID: E11-123-S3

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date : 07/15/2011 Lab Sample ID: 31101879034 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep	Moist Tot/Dis		Tune	IC	íCV	CV/
Analysis Method : 6010C					Ditutie		101119					- ~ ~ P			.00018		1 1146			
Arsenic	4.12	i :	mg/kg	:	YES	:	i i		1	1					1		í		1	T
Arsenic	4.12		mg/kg		YES	,,, <b>,</b>	!: 		· · · · · · · · · · · · · · · · · · ·	 I					ii		i		 I	
Barium	107		mg/kg		YES		:: j		 		 [				ii		: 		 	i
Barium	107		mg/kg		YES				1						ii		i		i	
Cadmiun	0.389		mg/kg	J	YES				` 						İ				: Î	1
Cadmium	0.389		mg/kg	J	YES														<i>:.</i> 	1
Chromium	1.83		mg/kg		YES		1								i				 	i
Chromium	1.83	;	mg/kg		YES										i i					
Lead	7.72		mg/kg		YES														1	1
Lead	7.72		mg/kg		YES														 	1
Selenium	2.12		mg/kg	υ	YES										[ ]			,,,,,,,,,,		1
Selenium	2.12		mg/kg	U	YES										1					
Silver	0.443		mg/kg	J	YES	Ü			U											ľ
Silver	0.443		mg/kg	J	YES	U			U				1							1
Analysis Method : 7471B					Dilutio	n: 1														• • • • • • • • • • • • • • • • • • • •
Mercury	0.0204		mg/kg	U	YES			1			İ									
Analysis Method : 8081					Dilutio	n:1														**********
4,4'-DDD	9.99	<u>.</u>	ug/Kg	U į	YES							[	]		i		ì			1
4,4'-DDE	9.99		ug/Kg	U	YES :			1			į	1	}							1
4,4'-DDT	9,99		ug/Kg	υ	YES			I			į	1			1					
Aldrin	9.99	j	ug/Kg	U ;	YES			ļ	I		ĺ			1	1					
alpha-BHC	9.99	į	ug/Kg	U	YES				1								1			1
alpha-Chlordane	9.99	į	ug/Kg	υţ	YES ?		- 1	1			)	1	ļ							1
oela-BHC	9.99	<u> </u>	ug/Kg	V	YES		1	l	i	}		1	(	1						ĺ
Chlordane	33.3	į	ug/Kg	U	YES		1	1	1	1				1	1					i
ielta-BHC	9.99	Ĭ	ug/Kg	Ų	YES	Į			Ì		i						)		i	
Dieldrin	9.99		ug/Kg	U	YES :															

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

Page 156 of 353

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-123-S3

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/15/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879034

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	ic	ICV	CC/
Analysis Method : 8081					Ditutio	on: 1														
Endosulfan I	9.99	:	ug/Kg	U	YES						!								ì	Ī
Endosulfan II	9.99	,	ug/Kg	U	YES						i :									1
Endosulfan sulfate	9.99		ug/Kg	U	YES					· · · · · · · · · · · · · · · · · · ·										
Endrin	9.99	:	ug/Kg	U	YES						!			!		*******				
Endrin aldehyde	9.99		ug/Kg	U	YES															1
Endrin ketone	9.99		ug/Kg	U	YES															
gamma-BHC (Lindane)	9,99		ug/Kg	υ	YES		1						]		,		į			
gamma-Chlordane	9.99		ug/Kg	U	YES											*******				[
Heplachior	9,99		ug/Kg	v	YES															
Heplachlor epoxide	9.99		ug/Kg	υ	YES										İ				 	
Melhoxychlor	9.99		ug/Kg	υ	YES		1				,									1
Toxaphene	33.3		ug/Kg	U	YES		1										1			
Analysis Method : 8151					Dilutic	n: 1														
2,4,5-T	0.0169	į	mg/kg	U	YES ;	1		1			ļ	1	ĺ		1	i	i	i		1
2,4,5-T	0.0169		mg/kg	U	YES		1	ĺ		· · · · · · i	3	]			1					i
2,4,5-TP (Silvex)	0.0169		mg/kg	U	YES					i										İ
2,4,5-TP (Silvex)	0.0169	Ì	mg/kg	U	YES		}		1								1			1
2,4'-D	0.0169	-	mg/kg	U	YES			1				1					i			
2,4'-D	0.0169		mg/kg	U	YES			1			į	1			4			]		1
2,4-DB	0.0169		mg/kg	U	YES						}			1	1					1
2,4-DB	0.0169	-	mg/kg	U	YES			1	1	Į			Ì				1			1
Dicamba	0.0169		mg/kg	u	YES :	1			1	(			1				1			i
Dicamba	0.0169	}	mg/kg	U	YES		1	-			İ	1						1	ĺ	
Analysis Method : 8260B					Dilutio	n: 1			-*				*********							•••••
1,1,1,2-Tetrachloroethane	4.40	į	ug/Kg	υ;	YES			1	- 1	:		l		- 1	1			ı		
1,1,1-Trichloroethane	4.40	ĺ	ug/Kg	U	YES			Ī	1	ì	ĺ	Ï	1	l						
1,1,2,2-Tetrachloroelhane	4.40		ug/Kg	υ	YES		· · · · · · · · · · · · · · · · · · ·		1	1			1							

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Date: 9/6/2011 08:22

Page 157 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-123-S3

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/15/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101879034

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Łab Qual	Rep Res	Overail Qual*		нт	МВ	LCS	MS	Lab Dup	Surr		Moist Tot/Dis		Tune	IC	ICV	CV/ CCV
Analysis Method : 8260B		***************************************			Dilutio	on: 1						······								
1,1,2-Trichloroethane	4.40		ug/Kg	U	YES						}	!	1	1			i :		1	
1,1-Dichloroethane	4.40		ug/Kg	υ	YES	ບມ				เม	ļ				i i				1	
1,1-Dichloroethene	4.40		ug/Kg	U	YES	IJ			1	UJ	 				1					
1,1-Dichloropropene	4.40		ug/Kg	U	YES				1			ļ	i		i i					
1,2,3-Trichlorobenzene	4.40		ug/Kg	υ	YES				ĺ	1		<u> </u>	l					• • • • • • • • • • • • • • • • • • • •	1	1
1,2,3-Trichtoropropane	4.40		ug/Kg	U	YES			******		1				· · · · · · · · · ·					1	1
1,2,4-Trichlorobenzene	4.40		ид/Кд	u	YES	IJ	·····				υJ		 						· · · · · · · · · · · · · · · · · · ·	1
1,2,4-Trimethylbenzene	4.40		ид/Кд	Ų	YES	UJ	· · · · · · · · · · · · · · · · · · ·		1		UJ	 	1		1					1
1,2-Dibromo-3-chloropropane	26.4		ug/Kg	V	YES						}				i i		,			
1,2-Dibromoethane	4.40		ug/Kg	U	YES		-			[					l i		}			
1,2-Dichlorobenzene	4.40		ug/Kg	U	YES	ı	i													
1,2-Dichloroethane	4.40		ug/Kg	U	YES					1							ļ			
I,2-Dichloropropane	4.40		ug/Kg	U	YES		·····													
1,3,5-Trimethylbenzene	4.40		ug/Kg	U	YES			·····							1		· · · · · · · · ·			
1,3-Dichlorobenzene	4.40		ug/Kg	υ	YES										ĺ		i			*******
1,3-Dichloropropane	4.40		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.40		ug/Kg	u	YES		1								I .		1			
2,2-Dichloropropane	4.40		ug/Kg	V	YES	1	1										1			
2-Bulanone	22.0		ug/Kg	υ	YES			1				1								
2-Chiorotoluene	4.40		ug/Kg	U	YES			1		į		1				· · · · · · · · · · · · · · · · · · ·			i i	
2-Hexanone	11.0	;	ug/Kg	U	YES :	1	1			ì			í			i	Î		· · · · · · · · · · · · · · · · · · ·	
4-Chlorotoluene	4.40		ug/Kg	U	YES	i	I	1				l			· · · · · · · · · · · · · · · · · · ·	1	1			
4-Isopropylloluene	4.40		ug/Kg	υ	YES			1				1		·····i	j	i	i		i	
4-Methyl-2-pentanone	11.0	1	ug/Kg	U	YES			·`	I			······		·i		<u>:</u> 			······i	
Acetone	10.0		ug/Kg	J	YES	j i	ì	·······		J (	ئىسىدىد. ا	······i		·····i		·····!	······	······'		
Benzene	4.40	********	ug/Kg	υ	YES		· · · · · i ·	· · · · · · · · · · · · · · · · · · ·	ا		i			i	· · · · · · · i					

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Date: 9/6/2011 08:22

Page 158 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-123-S3 Sample Date : 07/15/2011 Lab Report Batch: 31101879

Analysis Type: RES

Lab ID : SGSW

Sample Matrix : SO

Lab Sample ID: 31101879034

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	£ab Qual		Overall Qual*		HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	ic	ICV	CCV
Analysis Method : 8260B					Dilutio	n: 1														
Bromobenzene	4,40		ид/Кд	U	YES									!	1					I
Bromochloromelhane	4.40		ug/Kg	U	YES										ļ i		1			1
Bromodichloromethane	4.40		ug/Kg	ឋ	YES										[					1
Bromoform	4.40		ug/Kg	U	YES						1									I
Bromomalhane	4.40		ug/Kg	U	YES										1		[			1
Carbon disultide	4.40		ug/Kg	Ų	YES	ŲJ	<u> </u>		i	UJ					i				 	1
Carbon tetrachloride	4.40		ug/Kg	υ	YES					 					i				i	1
Chlorobenzene	4.40		ug/Kg	U	YES		i i			İ	}								1	ĺ
Chloroethane	4.40		ug/Kg	U	YES		}			1										Ī
Chloroform	4.40		ug/Kg	U	YES					1										
Chloromethane	4.40	1	ug/Kg	U	YES											***				I
cis-1,2-Dichloroethene	4.40		ug/Kg	U	YES														1	1
cis-1,3-Dichloropropene	4.40		ug/Kg	U	YES										i i		l			
Dibromochioromethane	4.40		ug/Kg	U	YES															
Dibromomethane	4.40		ug/Kg	υ	YES							]			1					1
Dichlorodifluoromethane	4.40		ug/Kg	U	YES		1						i							ĺ
Ethyl Benzene	4.40	i i	ug/Kg	U	YES		1								l		ĺ			1
Hexachlorobutadiene	4.40		ug/Kg	U	YES			i			1						i			i
isopropylbenzene (Cumene)	4.40	i i	ug/Kg	U	YES			1						· · · · · · · · · · · · · · · · · · ·						
m,p-Xylene	8.81	l i	ug/Kg	U	YES	 		1			i i		I				1			
Methyl lodide	4.40	1	ug/Kg	υ	YES		1		 ا			Ì					i			
Methylene chloride	1.22	i i	ug/Kg	J	YES :	j	1		1	J	ì	1			5		i			1
Naphthalene	4.40		ug/Kg	U	YES	IJ	1		1		UJ :	1								1
n-Butylbenzene	4.40		ug/Kg	U	YES		- · · · · · · · · · · · · · · · · · · ·	Ì	·			<u>`</u>		i						! 
n-Propylbenzene	4.40	Î	ug/Kg	U	YES			Ì	· · · · · · · · · · · · · · · · · · ·		······	i		 	,	,, ,,,,,,,				i
o-Xylene	4.40	1	ug/Kg	U	YES :		1		i			······		·····i						i

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

Page 159 of 353

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-123-S3

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/15/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101879034

Reviewed By / Date :							App	roved	By /	Date										
Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overail Qual*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	ıc	icv	CV.
Analysis Method : 8260B					Diluti	on: 1														
sec-Bulylbenzene	4.40		ug/Kg	Ų	YES				į	1			1	ļ		}	1		1	ī
Styrene	4.40		ug/Kg	Ų	YES	UJ				1	UJ	 	1		l				1	1
tert-Butyl methyl ether (MTBE)	4,40		ug/Kg	U	YES	UJ				UJ		i		;	1		1	· · · · · · · · · · · · · · · · · · ·		1
tert-Butylbenzene	4.40		ug/Kg	U	YES				l		<u> </u>	ļ					1	 }		Ī
Tetrachloroethene	4.40		ug/Kg	U	YES					1	:	/ 		\	1			}		Ī
Toluene	4.40		ug/Kg	U	YES				1	1		 	1		1		[			1
trans-1,2-Dichloroethene	4.40		ug/Kg	U	YES	UJ			1	UJ	 	 	1	i	i i			i	 	1
trans-1,3-Dichloropropene	4.40	i	ug/Kg	Ü	YES		1		1		 	 					1	i	1	
trans-1,4-Dichloro-2-butene	22.0		ug/Kg	U	YES		1					 ]					i		1	i
Trichloroelhene	4.40		ug/Kg	U	YES				[	Î	 }		[		į		1			i
Trichlorofluoromethane	4.40		ug/Kg	U	YES		]		]	1	 [		Ì				i			]
Vinyl chloride	4.40		ug/Kg	U	YES		i		1		i	i	1		1				i	1
Analysis Method : 8270D					Dilutio	n: 1														
1,2,4-Trichlorobenzene	342		ug/Kg	V	YES					1							[	}	1	
1,2-Dichlorobenzene	342		ug/Kg	U	YES					1					1					1
1,3-Dichlorobenzene	342		ug/Kg	U	YES		1			1	i				l			ì		1
1,4-Dichlorobenzene	342		ug/Kg	U	YES					<u> </u>					l i		[			i
2,4,5-Trichlorophenol	342		ug/Kg	U	YES		[			1				******					 	1
2,4,6-Trichlorophenol	342		ug/Kg	υ	YES					1									l	
2,4-Dichlorophenol	342		ug/Kg	U	YES			1		l				,,	1				1	
2,4-Dimethylphenol	342	ì	ug/Kg	U	YES			1							1				 	
2,4-Dinitrotoluene	342		ug/Kg	U	YES			1	.,										 	i
2,6-Dinitrotoluene	342		ug/Kg	U	YES														 	 
2-Chloronaphthalene	342		ug/Kg	U	YES		········			1		····								! 
2-Chlorophenol	342		ug/Kg	U	YES		<del>:</del>	Ì		 										: 
2-Methylnaphthalene	342	······	ug/Kg	U	YES	1	· · · · · · · · · · · · · · · · · · ·	ì		 										i 
2-Methylphenol	342		ug/Kg	U	YES :		·····i	·i		: }			i							: I

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 160 of 353

Client Sample ID: E11-123-S3

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/15/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879034

Reviewed By / Date :

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overall Quai*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Flekt QC	Tune	IC	ICV	CCV
Analysis Method : 8270D					Diluti	on: 1							,,		,					
2-Nitroaniline	342		ug/Kg	U	YES						1			1	1		I I			ī
2-Nitrophenol	342		ug/Kg	U	YES								1	!						
3 and/or 4-Methylphenol	342		ug/Kg	U	YES								1	}	i i					
3-Nitroaniline	342		ug/Kg	υ	YES								1	[					1	
4-Bromophenyl phenyl ether	342		ug/Kg	U	YES										1				Ì	
4-Chloro-3-methylphenol	342		ug/Kg	U	YES		ı													
4-Chloroanlline	342		ug/Kg	U	YES	•••					}			1					[	
4-Chlorophenyl phenyl ether	342		ug/Kg	U	YES								i							1
4-Nitroaniline	342		ug/Kg	U	YES								[							1
4-Nitrophenol	342		ug/Kg	U	YES		ı								]					1
Acenaphlhene	342		ug/Kg	U	YES		1						]		1		,		1	1
Acenaphlhylene	342		ид/Кд	U	YES				i						i i					i
Anthracene	342		ug/Kg	U	YES		1								i i					1
Benzo(a)anthracene	342		ug/Kg	U	YES		I		]						1					ĺ
Benzo(a)pyrene	342		ug/Kg	U	YES				l	}							·····			1
Benzo(b)fluoranthene	342		ug/Kg	U	YES					······										
Benzo(g,h,i)perylene	342	į	ug/Kg	ប	YES	1	İ	1	i	· · · · · · · · · · · · · · · · · · ·	i				l i		1			
Benzo(k)fluoranthene	342	ì	ug/Kg	U	YES	}	1	1	1								i			
Bis(2-Chloroelhoxy)methane	342		ug/Kg	υ	YES	· · · · · · · · · · · · · · · · · · ·	1				]				1					
Bis(2-Chloroethyl)ether	342	;	ug/Kg	U	YES		Ī		1	······	· · · · · · · · · · · · · · · · · · ·						î	1		1
Bis(2-Chlorolsopropyl)elher	342		ug/Kg	U	YES		i	1	1	I					(		1			1
Bis(2-Ethylhexyl)phthalate	342		ug/Kg	U	YES	,	1	1	1								1			1
Bulyi benzyi phihalale	342	1	ug/Kg	U	YES	}	1	1	]			]					1			1
Chrysene	342		ug/Kg	υ	YES		i.			j	 ]	i	 							 
Dibenz(a,h)anthracene	342	1	ug/Kg	U	YES			1	1	1		· · · · · · ·				i	·····	·······		1
Dibenzofuran	342	1	ug/Kg	U	YES:		i	1	1	į		1			1		i	1		1

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

Page 161 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-123-S3

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/15/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101879034

Reviewed By / Date :							Арр	rovec	By/	Date:										
Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Тетр	нт	MB	LCS	MS	Lab Dup	Surr		Moist Tot/Dis	Fiefd QC	Tune	IC	ICV	CV/
Analysis Method : 8270D					Diluti	on: 1					***********		A to trade transaction		*	A 4 Par 174*7.				
Diethyl phthalate	342		ug/Kg	U	YES		-			F	!	]	]				1	1		1
Dimethyl phthalate	342		ug/Kg	U	YES						· · · · · · · · · · · · · · · · · · ·		1					}		I
Oi-n-bulyl phthalale	342		ug/Kg	U	YES				[	1										1
Di-n-octyl phthalate	342		ug/Kg	U	YES		······	******		1	i					******			1	[
Fluoranthene	342		ug/Kg	U	YES					[	ļ	į	i		i		j	Į	i	1
Fluorene	342		ug/Kg	IJ	YES		·····				i						 	}		1
Hexachiorobenzene	342		ug/Kg	U	YES						•				f i			ì	1	1
Hexachlorobuladiene	342		ug/Kg	U	YES		i					 							1	1
Hexachlorocyclopentadiene	342		ug/Kg	U	YES		1			1							 		1	ĺ
Hexachloroethane	342		ug/Kg	U	YES		i					 							i	
Indeno(1,2,3-cd)pyrene	342		ug/Kg	U	YES	1	1		,,,		}		1					 [		1
Isophorone	342		ug/Kg	U	YES						 				ĺ			 [		1
Naphthalene	342		ug/Kg	U	YES															
Nitrobenzene	342		ug/Kg	U	YES	1	·····													i
n-Nitrosodi-n-propylamine	342		ug/Kg	υ	YES															1
Pentachtorophenol	342		ug/Kg	U	YES		1													I
Phenanthrene	342		ug/Kg	U	YES	· · · · · · · · · · · · · · · · · · ·														: 
Phenol	342		ug/Kg	U	YES	· · · · · · · · · · · · · · · · · · ·	j								 					i
Pyrene	342		ug/Kg	υ	YES		1						:							1

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

CampCarroll

Report Date: 9/6/2011 08:22 Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review Page 162 of 353

Client Sample ID: E11-123-S4

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/15/2011 Lab Sample ID: 31101879037 Analysis Type: RES

Sample Matrix : SO

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overalf Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCA
Analysis Method : 6010C					Dilutio	on: 1														***********
Arsenic	2.23	ì	mg/kg		YES				1	[		İ		!			1		Ī	T
Barium	87.4		mg/kg		YES							[							1	1
Cadmium	0.522		mg/kg		YES	IJ			U				1		1				1	1
Chromium	3.71		mg/kg		YES									ļ	1		· · · · · · · · · · · · · · · · · · ·			I
Lead	7.57		mg/kg		YES	J						J	1				1			1
Selenium	1.82		mg/kg	Ų	YES								1						1	1
Silver	0.314		mg/kg	j	YES	U			υ								[			[
Analysis Method : 7471B					Dilutio	on: 1														
Mercury	0.0203		mg/kg	U	YES		[				Í				1				1	1
Analysis Method : 8081					Ditutio	n: 1														
4,4'-DD0	9.95		ug/Kg	U	YES						<u> </u>	<u> </u>			]		Ì			
4,4'-DDD	9.95		ug/Kg	U	YES			ļ					1		l f				1	1
4,4'-DDE	9.95		ug/Kg	U	YES	ļ							[ ]		1					1
4,4'-DDE	9.95		ug/Kg	Ų	YES	Ì									]					Ì
4,4'-DDT	9.95		ug/Kg	υ	YES	l	Ì								] ]					[
4,4'-DDT	9.95		ug/Kg	υ	YES								<b>I</b>		1				1	
Aldrin	9.95		ug/Kg	U	YES										1				1	1
Aldrin	9,95		ug/Kg	U	YES	1	1	1							1					1
alpha-BHC	9.95		ug/Kg	U	YES		1	1												l
alpha-BHC	9.95		ug/Kg	U	YES		1								]				1	
alpha-Chlordane	9.95		ug/Kg	U	YES	1		1							ì					
alpha-Chlordane	9.95		ug/Kg	U	YES	1	1	1											1	1
beta-BHC	9.95		ug/Kg	U	YES		1	1									}			i
bela-BHC	9.95		ug/Kg	U	YES				1										i	ĺ
Chlordane	33.1		ug/Kg	υ	YES				1								1		 ]	i
Chlordane	33.1	1	ug/Kg	U	YES			ì	i				·······					****	1	: 
della-BHC	9.95	:	ug/Kg	U	YES				i	·							·		 I	i

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

CampCarroll

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 163 of 353

4867

Report Date: 9/6/2011 08:22

Client Sample ID : E11-123-S4

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/15/2011 Lab Sample ID: 31101879037 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*		нт	мв	LCS	MS	Lab Dup	Surr		Moist Tot/Dis		Tune	1C	icv	CV/ CCV
Analysis Method : 8081			**************		Diluti	on: 1				************										
detta-BHC	9.95		ug/Kg	U	YES		i	***********	]			(	1						1	T
Dieldrin	9.95		ug/Kg	U	YES						( <u>-</u>	` 		 	i i		!			- <del>!</del>
Dieldrin	9.95		ug/Kg	U	YES					1	( }	 	` 		ii		:		1	- <del></del>
Endosullan I	9.95		ug/Kg	υ	YES				 		<b>···</b>		:		i		[ [		<u>-</u>	· <del>!</del> ····-
Endosulfan I	9.95		ug/Kg	U	YES								` 		ii		l		<del>(</del>	· <del> </del>
Endosulfan II	9.95		ug/Kg	U	YES								` 				i		<del>/</del>	· <del>!</del>
Endosulfan II	9.95		ug/Kg	υ	YES		i					 	:	<b></b>	i		:		: 	i
Endosulfan sulfato	9.95		ug/Kg	U	YES		1								i i		!! 		 	<del> </del>
Endosulfan sulfate	9,95		ug/Kg	U	YES		1								ii				 	†
Endrin	9.95		ug/Kg	U	YES		ĺ				• • • • • • • • • • • • • • • • • • • •				i i				/ 	¦
Endrin	9.95		ug/Kg	U	YES										i i		ii	• • • • • • • • • • • • • • • • • • • •	 1	i
Endrin aldehyde	9.95		ug/Kg	U	YES		i	·······	······	- <i></i> <u>-</u>	· · · · · · · · · · · · · · · · · · ·								/ ]	
Endrin aldehyde	9.95		ug/Kg	ŧŧ.	YES			·····	· · · · · · · · · · · · · · · · · · ·		: ļ								: I	1
Endrin ketone	9.95		ug/Kg	U	YES		·····i	·····	 	j		· <u>:</u>	i						 f	!
Endrin kelone	9.95		ug/Kg	U	YES		·····i	· · · · · · · · · · · · · · · · · · ·	·'	'' ا		i							! 	!
gamma-BHC (Lindane)	9.95		ug/Kg	U	YES		<i>i-</i>	·····	i			·			::: :	!	٠٠٠٠٠٠٠٠		! 	1
gamma-BHC (Lindane)	9.95		ug/Kg	U	YES		i	······	·····				·····/	······		:,! ]			! [	! !
gamma-Chlordane	9.95		ug/Kg	Ų	YES		·i-	ì								!!			!	!
gamma-Chlordane	9.95		ид/Кд	U	YES			·····	······		······i	·······							' 	!
deplachlor	9.95		ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·	i	1		 ا									! !
teptachlor	9.95	· · · · · · · · · · · · · · · · · · ·	ид/Кд	U	YES			i				······:		!	····					! !
deplachtor epoxide	9.95		ug/Kg	U	YES :	· · · · · · · · · · · · · · · · · · ·		······i	· · · · · · · · · · · · · · · · · · ·					······!	'.			ر	 	!
deptachtor epoxide	9.95		ug/Kg	υ	YES	· · · · · · · · · · · · · · · · · · ·		·······	····· :	· · · · · · · · · · · · · · · · · · ·	······································	·	i	······	·····!.	!		!! ا	'	! !
Methoxychlor	9.95		ug/Kg	U	YES	i	·!,		<u>'</u> -		ئ ا	! 	!. 	···!		!	٠	اا		! I
Methoxychior	9.95		ug/Kg	U	YES	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	····	<u>\</u>		! I		!. !	!	!.		·····	! ا		! !
l'oxaphene	33.1		ug/Kg	· · · · · · · · · · · · · · · · · · ·	YES			<u>t</u>				!		!		!		اا		<u> </u>

Project Number and Name:

ADR 8.2

11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Date: 9/6/2011 08:22

Page 164 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-123-S4

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/15/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879037

Reviewed By / Date :							App	rovec	By /	Date :										
Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep	Overail Qual*	Temp	HT	MB	LCS	MS	£ab Sup	Surr	Rep Limit	Molst Tot/Dis		Tune	1C	lcv	CC /
Analysis Method : 8081					Dilu	tion: 1														
Toxaphene	33.1	-	ug/Kg	U	YES				]		}		1							1
Analysis Method : 8151					Dilu	ion: 1														
2,4,5-T	0.0168		mg/kg	U	YES	1			1	1	Ī	Ī	1	l	1 .		}		1	
2,4,5-T	0.0168		mg/kg	U	YES	1							1							
2,4,5-TP (Silvex)	0.0168		mg/kg	U	YES		1		1	1	1	}	1		f I				[	
2,4,5-TP (Silvex)	0.0168		mg/kg	U	YES		· · · · · · · · ·		1		 [	<u> </u>			l i					1
2,4'-D	0.0168		mg/kg	U	YES				1	1	i				[ [		l		]	1
2,4'-D	0.0168		mg/kg	U	YES		1		l	i									1	1
2,4-DB	0.0168		mg/kg	U	YES	1	I			]							1		1	l
2,4-D8	0.0168		mg/kg	U	YES				ſ	ļ		]								1
Dicamba	0.0168	,	mg/kg	U	YES	1				]		í	l		l					
Dicamba	0.0168		mg/kg	U	YES	: 1	1		1	l							1		Ĭ	
Analysis Method : 8260B					Ditut	ion: 1														111 77
1,1,1,2-Tetrachloroethane	4.89		ug/Kg	υ	YES				ĺ.				1				- 1		[	
1,1,1-Trichloroethane	4,89		ug/Kg	U	YES		1													
1,1,2,2-Tetrachioroethane	4.89		ug/Kg	U	YES		1													
1,1,2-Trichloroelhane	4.89		ug/Kg	U	YES		1		i				 		,					]
1,1-Dichloroethane	4.89		ug/Kg	υ	YES	]											}		1	1
1,1-Dichloroethene	4.89		ug/Kg	U	YES			1									1			1
1,1-Dichloropropene	4.89		ug/Kg	U	YES	1	1													1
1,2,3-Trichlorobenzene	4.89		ug/Kg	U	YES		1												1	i
1,2,3-Trichloropropane	4.89		ug/Kg	U	YES								[		1		·····			i
1,2,4-Trichlorobenzene	4.89	1	ug/Kg	U	YES		1													1
1,2,4-Trimethylbenzene	4.89		ид/Ко	U	YES								i i	· · · · · · ·		i	<del>-</del>			1
1,2-Dibromo-3-chloropropane	29.3		ид/Кд	U	YES	<u> </u>	1	········ [	 [						i	: 		• • • • • • • • • • • • • • • • • • • •		
1,2-Dibromoelhane	4.89		ug/Kg	U	YES	Ti	i	· <u>·</u>	······		i					 				
1,2-Dichlorobenzene	4.89		ug/Kg	U	YES	†·····i	<u>-</u>	`` 	· · · · · · · · · · · · · · · · · · ·						i			**		

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

ADR 8.2

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 165 of 353

Client Sample ID: E11-123-S4

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/15/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101879037

Reviewed By / Date :							App	rovec	By /	Date:	:									
Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist To!/Dis		Tune	IC	icv	CCV CCV
Analysis Method : 8260B				TAN PERSON VALUE AND	Diluti	on: 1			*************	www.	V\/									
1,2-Dichloroethane	4.89		ид/Кд	Ų	YES				ĺ		1	<u> </u>		i						
1,2-Dichloropropane	4,89	; ;	ug/Kg	U	YES	i				i	1	}		1	ĺ					
1,3,5-Trimethylbenzene	4.89		ug/Kg	U	YES	1				 	ļ		1		[					Ī
1,3-Dichlorobenzene	4.89		ug/Kg	U	YES	:			·	Ī										1
1,3-Dichloropropane	4.89		ug/Kg	Ü	YES					1								•••••		1
1,4-Dichlorobenzene	4.89		ug/Kg	U	YES						!	·······	ĺ		i	*******			i	Ī
2,2-Dichloropropane	4.89		ug/Kg	U	YES					i	}		1		i				Ì	1
2-Bulanone	24.5		ug/Kg	U	YES						 		i		i i				i	1
2-Chlorololuene	4.89		ug/Kg	U	YES							i			1 1				1	i
2-Hexanone	12.2		ug/Kg	υ	YES		·····i					i			1					1
4-Chlorotoluene	4.89		ug/Kg	U	YES					1		]	 							
4-Isopropylloluene	4.89		ug/Kg	U	YES	1	1				 f	(			l				1	i
4-Methyl-2-pentanone	12.2		ug/Kg	U	YES		1				i									1
Acelone	48.9		ug/Kg	U	YES							]								
Benzene	4.89		ug/Kg	U	YES		]				]	·····								
Bromobenzene	4.89		ug/Kg	U	YES										l					
Bromochloromethane	4.89	i	ug/Kg	U	YES	ı										······	I			1
Bromodichloromethane	4.89		ug/Kg	U	YES															! 
Bromoform	4.89	;	ug/Kg	U	YES		1										1			
Bromomethane	4.89		ug/Kg	U	YES	1											1			1
Carbon disulfide	4.89		ug/Kg	U	YES			1												1
Carbon tetrachloride	4.89		ug/Kg	U	YES		1	1	1				1							1
Chlorobenzene	4.89	;	ug/Kg	U	YES		1	]	1		i I				1					1
Chloroethane	4.89		ug/Kg	U	YES		1		<u>:</u>				i			······· 	i		i	[
Dhloroform	4.89		ug/Kg	U	YES										,	i	······		j	1
Chloromethane	4.89		ug/Kg	U	YES		i	1								· · · · · · · · · · · · · · · · · · ·				1

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 166 of 353

Client Sample ID: E11-123-S4

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/15/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101879037

Reviewed By / Date :																				
Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Quai*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Yot/Dis		Tune	IC	ICV	CC/
Analysis Method : 8260B		*****************	~		Diluti	on: 1														
cis-1,2-Dichloroethene	4.89		ug/Kg	U	YES	: 1	1			1	ļ			ļ			1			
cis-1,3-Dichloropropene	4.89		ug/Kg	U	YES		1			1		(								
Dibromochloromethane	4.89		ug/Kg	U	YES															Ī
Dibromomethane	4.89		ug/Kg	U	YES	1	1													1
Dichlorodifluoromelhane	4.89		ug/Kg	U	YES	:	1					ļ								i
Ethyl Benzene	4.89		ug/Kg	U	YES	: 1	1					: :								
Hexachlorobutadiene	4.89		ug/Kg	υ	YES		i					}			ì				1	
Isopropylbenzene (Cumene)	4.89		ug/Kg	U	YES		·····i			1									1	
m,p-Xylene	9.78		ug/Kg	U	YES				 										Ĭ	Í
Methyl iodide	4.89		ug/Kg	U	YES	. I													l	1
Methylene chloride	1.46		ug/Kg	j	YES		ĺ				!	Į							[	l
Naphthalene	4.89		ug/Kg	υ	YES							 Í	]						1	1
n-Butylbenzene	4.89		ug/Kg	U	YES	: 1													1	
n-Propylbenzene	4.89		ug/Kg	υ	YES		1		.,,,,,,,,,								,			1
o-Xylene	4.89		ug/Kg	υ	YES											1				1
sec-Bulyibenzene	4.89		ug/Kg	U	YES			1												1
Styrene	4.89		ug/Kg	U	YES	1		1							1					1
tert-Bulyl methyl ether (MTSE)	4.89		ug/Kg	U	YES		1								}					i
lert-Butylbenzene	4.89		ug/Kg	U	YES	1	1										.,			l
Tetrachloroethene	4.89		ug/Kg	U	YES	1		1								1				1
Toluene	4.89		ug/Kg	IJ	YES		1	1								ı				1
trans-1,2-Dichloroethene	4.89	ì	ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·	1									Ì			
trans-1,3-Dichloropropene	4.89		ug/Kg	U	YES			1	1											
trans-1,4-Dichloro-2-butene	24.5		ug/Kg	U	YES		Ì	Ì	 	· · · · · · · · · · · · · · · · · · ·		 	i		1	· · · · · · · · · · · · · · · · · · ·	·i			
Trichloroethene	4.89		ug/Kg	U	YES	1	· · · · · · · · · · · · · · · · · · ·	Î	ii	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · ·				i	1		· · · · · i	
Trichlorofluoromethane	4.89		ug/Kg	ช	YES				· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·			i					

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

CampCarroll

Report Date: 9/6/2011 08:22

Page 167 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-123-S4

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/15/2011 Lab Sample ID: 31101879037 Analysis Type: RES

Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overal Quai*		нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CV/ CCV
Analysis Method : 8260B					Dilut	lon: 1				***************************************										
Vinyl chloride	4.89		ug/Kg	U	YES	:				1	}		ŀ		]		1		1	Ī
Analysis Method : 8270D					Diluti	on: 1			,,	*********										
1,2,4-Trichlorobenzene	327	i	ug/Kg	U	YES				1			Add	1							Ī
1,2-Dichlorobenzene	327		ug/Kg	Ų	YES					1	}				]				1	1
1,3-Dichlorobenzene	327		ug/Kg	U	YES					}	i				1 1				1	i
1,4-Dichlorobenzene	327		ug/Kg	U	YES							}			l i				ļ	
2,4,5-Trichlorophenol	327		ug/Kg	U	YES										i i		ii		1	i
2,4,6-Trichlorophenol	327		ug/Kg	U	YES	;		**						*******			· · · · · · · · · · · ·		i	!··
2,4-Dichlorophenol	327		ug/Kg	U	YES	:									1		1		i	i
2,4-Dimethylphenol	327		ug/Kg	U	YES										i i				: 	!
2,4-Dinitrotoluene	327		ug/Kg	υ	YES	:	! ]								i				1	
2,6-Dinitrotoluene	327		ug/Kg	U	YES	[										· · · · · · · · · · · · · · · · · · ·			: I	
2-Chioronaphthalene	327		ua/Ka	U	YES	:	i												 I	
2-Chlorophenol	327	į	ug/Kg	U ;	YES		1		I						1		······			i
2-Methylnaphthalene	327		ug/Kg	Ų	YES								1			· · · · · · · · · · · · · · · · · · ·			·	
2-Methylphenol	327		ug/Kg	U	YES		1						· · · · · · · · · · · · · · · · · · ·			· · · · · · i				
2-Nitroaniline	327		ug/Kg	U	YES		1								j		······			
2-Nitrophenol	327		ид/Кд	U	YES					i	····;	·····								<u>'</u>
3 and/or 4-Methylphenol	327		ug/Kg	υ	YES				··	· · · · · · · · · · · · · · · · · · ·	······					·i	····			
3-Nitroaniline	327		ug/Kg	U	YES		1		······	·i		i		·		·····i			'! 	
4-Bromophenyl phenyl ether	327		ug/Kg	U	YES				ì			i		·:		·			! 	!
4-Chioro-3-methylphenol	327		ug/Kg	U	YES		ii		1			·····i		· · · · · · · · · · · · · · · · · · ·		1				! 
4-Chloroanitine	327		ug/Kg	U	YES		i	· · · · · · · · · · · · · · · · · · ·	·			········	·	·		¦			!	
4-Chlorophenyl phenyl ether	327		ug/Kg	U	YES		i				٠٠٠٠٠٠١	' أ	i			·¹			! 	اا
4-Nitroaniline	327		ug/Kg	U	YES	·			/		اِ۔۔۔۔۔۔ آ	l 1	ا ا	!	!-	 1	۸۸			<u>.</u>
4-Nitrophenol	327		ug/Kg	U	YES		··i	<u>'</u>	<u>'</u> .	·	ن ا		<i>i</i> ,		·;-	! 		! ا	!	
Acenaphthene	327		ug/Kg	U	YES	······i			<u>/</u> ,	······································			<del></del> -	!			••••• <del>•</del>	اا		

Project Number and Name:

ADR 8.2

11-032E · 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Date: 9/6/2011 08:22

Page 168 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-123-S4

Sample Date : 07/15/2011 Lab Sample ID: 31101879037 Lab Report Batch: 31101879

Analysis Type: RES

Lab ID : SGSW

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*		нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	3CV	CCV
Analysis Method : 8270D		***************************************		***************************************	Dilutio	on: 1														
Acenaphthylene	327		ug/Kg	U	YES				[		}				1	~~~~			1	
Anthracene	327		и9/К9	U	YES									}					l	
Benzo(a)anthracene	327		ug/Kg	U	YES															ľ
Benzo(a)pyrene	327		ug/Kg	U	YES						ļ		 		1					l
Benzo(b)fluoranthene	327		ug/Kg	U	YES						·····		 		1					1
Benzo(g,h,i)perylene	327		ug/Kg	U	YES														1	
Benzo(k)fluoranthene	327		ug/Kg	Ų	YES										1					
Bis(2-Chloroelhoxy)methane	327		ug/Kg	U	YES															1
Bis(2-Chloroelhyl)ether	327	i i	ug/Kg	U	YES										i i					Ī
Bis(2-Chloroisopropyl)elher	327	;	ид/Кд	U	YES								i		1		1			l
Bis(2-Ethylhexyl)phthalate	327	i i	ug/Kg	υ	YES										1				1	
Bulyl benzyl phthalate	327		ug/Kg	U	YES	į				i					ļ				1	
Chrysene	327		ug/Kg	υ	YES		ı													1
Dibenz(a,h)anIhracene	327		ug/Kg	U	YES										1					1
Dibenzofuran	327		ug/Kg	U	YES :										1			7		1
Diethyl phthalate	327		ug/Kg	U	YES	j														
Dimethyl phthalate	327	ì	ug/Kg	U	YES		1	1					i		l		i		1	i
Di-n-butyl phthalate	327	Ĭ	ug/Kg	U	YES	I						1			1			1	1	1
Di-n-octyl phthalate	327		ид/Кд	U	YES	· · · · · · · · · · · · · · · · · · ·			i	i		1			1				· · · · · · · · · · · · · · · · · · ·	1
Fluoranthene	327		ug/Kg	U	YES	i		1	1	· · · · · · · · · · · · · · · · · · ·							4		 	i
Fluorene	327		ug/Kg	U	YES		·····i	1									1			i
Hexachlorobenzene	327		ug/Kg	U	YES		1	ĺ	1			Ì						1	 	i 
Hexachiorobuladiene	327		ug/Kg	U :	YES			I				 I	: 	i					i	 
Hexachlorocyclopentadiene	327		ид/Кд	U	YES	·i			 			······ì		 [	į			<u>-</u>		1
Hexachloroethane	327		ид/Кд	Ų	YES	·····				· · · · · · · · · · · · · · · · · · ·		······i	<i>i</i>				· · · · · · · · · · · · · · · · · · ·	·······		1
Indeno(1,2,3-cd)pyrene	327		ug/Kg	υ	YES :		· · · · · · · · · · · · · · · · · · ·	1								 I	·······	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

Page 169 of 353

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-123-S4

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/15/2011 Lab Sample ID: 31101879037 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :							Арр	rove	By /	Date :										
Analyte Name	Result	Uncertainty I	Result Units	Lab Qual	Rep Res	Overall Quai*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8270D					Diluti	on: 1														*/#///**
Isophorone	327		ug/Kg	U	YES			]	-		l	Į		[	1				1	1
Naphthalene	327		ug/Kg	U	YES	:	i		1				l	i	1					[
Nitrobenzene	327		ug/Kg	υ	YES			l			<u> </u>			]		*******			]	
n-Nitrosodi-n-propylamine	327		ug/Kg	U	YES	:		i						 !						1
Pentachlorophenol	327		ug/Kg	U	YES	:	i i			[		i	1		1					1
Phenanthrene	327		ug/Kg	IJ	YES								1		1				1	i
Phenoi	327		ug/Kg	υ	YES				i		: 	 [	i	i 	1		i		: 	i
Pyrene	327		ug/Kg	U	YES								 	/ <i></i>	i					i

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

CampCarroll

Report Date: 9/6/2011 08:22

Page 170 of 353

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-125-S1

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/14/2011 Lab Sample ID: 31101879006 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :							Арр	rovec	By /	Date:	:									
Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*		нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CV/
Analysis Method : 6010C					Dilutio	n: 1														
Arsenic	2.37	;	mg/kg		YES	J				1	(	J	ĺ	***************************************			1	[		T
8arium	95.0		mg/kg		YES	j	/					J						/ 	i	i
Cadmium	0.600		mg/kg		YES	θJ			U		ļ	J		 	1	. ,	1	/ 	 [	ĺ
Chromium	1.71		mg/kg		YES			•••••		1		!	1	i		i	1	}	/ 	1
Lead	5.30		mg/kg		YES	J				1		J	1	[		·	: 		; 	1
Selenium	1.92	ĺ	mg/kg	U	YES									i	1		: 		 	i
Silver	0.254		mg/kg	j	YES	บ			U		]		1	 	1			: 	<u>;</u> İ	1
Analysis Method : 7471B	***************************************	•••••			Dilutio	n: 1									i		1		·····	
Mercury	0.0179	;	mg/kg	U	YES	}							I	!	1		!	}	I	
Analysis Method : 8081					Dilutio	ก: 1														
4,4'-DDD	9.88		ug/Kg	υ	YES :				***************************************		į į				1 1		!		1	1
4,4'-DDD	9,88	į	ug/Kg	U	YES		I								i				i	1
4,4'-DDE	9.88		ug/Kg	υ	YES			1			i									
4,4'-DDE	9.88		ug/Kg	U	YES :		1	1							l i					1
4,4'-DDT	1.51	İ	ug/Kg	JP	YES	U	1	1	Ų											i
4,4'-DDT	1.51	į	ug/Kg	JP	YES	U		1	U						ii					: 
Aldrin	9.88		ug/Kg	U	YES															i
Aldrin	9.88		ug/Kg	Ų	YES		i										 			: 
alpha-BHC	9.88		ug/Kg	U	YES			1												i
alpha-BHC	9.88	:	ug/Kg	U	YES		i	1												
alpha-Chlordane	9.88		ug/Kg	U	YES	1	·····i	·····	·i				i				i			: <i></i>
a pha-Chlordane	9.88		ug/Kg	Ų	YES		i	1	i			i				······				i
bela-BHC	9.88		ug/Kg	Ų	YES	·····i		ì	<u>'</u>	i	·····:	·'	· <i>:</i>			·····-!				i
beta-BHC	9.88		ug/Kg	U	YES	· · · · · · · · · · · · · · · · · · ·		····-i	;   				i		·····	·······!				 
Chlordane	32.9		ug/Kg	Ų	YES		i.	1	1			···	/	 						[
Chlordane	32.9	·	ug/Kg	U	YES		·····i	Ť	······'		·	<u>'</u>		! 					اا	
della-BHC	9.88	:	ug/Kg	U	YES	•••••••• i	·! 	<u>:</u>			<del>'</del>		1	······!		!	اا		· 1	: I

Project Number and Name:

ADR 8.2

11-032E - 11-032E Carroll Agent Orange

Library Used:

CampCarroll

Page 171 of 353

Report Date: 9/6/2011 08:22 \* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-125-S1

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/14/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101879006

		***************************************																************		
Analyte Name	Resutt	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overall Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCA
Analysis Method : 8081					Diluti	on:1							**********	fahafaan faankanin .	^					
delta-BHC	9.88		ug/Kg	U	YES	:					i	i	ſ	1	[		1			ŀ
Dieldrin	9.88		ug/Kg	U	YES													}		
Dieldrin	9.88		ug/Kg	U	YES	:		[		<u> </u>	}	1	]		1				1	
Endosulfan I	9.88		ug/Kg	υ	YES				1	1			ĺ		l i		 		}	i
Endosulfan I	9.88		ug/Kg	U	YES												·			
Endosulfan II	9.88		ug/Kg	U	YES															
Endosulfan li	9.88		ug/Kg	U	YES									]	1				1	
Endosulfan sulfate	9.88		ug/Kg	Ų	YES					[	· · · · · · · · · · · · · · · · · · ·	<u> </u>			i i				l	
Endosulfan sulfate	9.88		ug/Kg	Ų	YES		1			[					i i					
Endrin	9.88		ug/Kg	U	YES		Ī		1		i									
Endrin	9,88		ug/Kg	U	YES	)				1	]	ļ		j	] ]			[		
Endrin aldehyde	9.88		ug/Kg	U	YES		]				i		1		l i					
Endrin aldehyde	9.88		ug/Kg	U	YŁS		Ī						<u> </u>	********	[ ]					
Endrin ketone	9.88		ug/Kg	U	YES							,								******
Endrin ketone	9.88		ug/Kg	U	YES										1				1	*******
gamma-BHC (Lindane)	9.88		ug/Kg	U	YES		·····								ĺ					
gamma-BHC (Lindane)	9.88		ug/Kg	U	YES	: 1									l i					
gamma-Chlordane	9.88		ug/Kg	U	YES											1				
gamma-Chlordane	9.88		ug/Kg	Ų	YES															
Heptachior	9.88		ug/Kg	Ų	YES										1				i i	
Heptachior	9.88	;	ug/Kg	υ	YES		1										.,,			
Heptachtor epoxide	9.88		ug/Kg	U	YES		1									· · · · · · · · ·				
Heptachlor epoxide	9.88		ug/Kg	U	YES											I				
Methoxychlor	9.88		ug/Kg	U	YES								1			i			i	
Methoxychlor	9.88		ug/Kg	υ	YES		1								1	······i				
Toxaphene	32.9	:	ug/Kg	U	YES			1							l	·····i				

11-032E - 11-032E Carroll Agent Orange

Library Used:

CampCarroll

Report Date: 9/6/2011 08:22

Page 172 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-125-S1

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/14/2011 Lab Sample ID: 31101879006 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date:

Approved By / Date :

		Uncertainty /	Result	Lab	Rep	Overa	II				************	Lab		Rep	Moist	Ciold				CVI
Analyte Name	Result	Error	Units	Quai	Res	Quai*	Temp	HT	MB	LCS	MS	Dup	Surr		Tot/Dis		Tune	IC	icv	CCV
Analysis Method : 8081				***************************************	Difutio	on: 1												·····		
Toxaphene	32.9		ug/Kg	U	YES				l	ĺ			1	1					1	1
Analysis Method : 8151					Dilutio	วก: 1														÷
2,4,5-T	0.0167		mg/kg	Ų	YES		j j				}	İ			l i				1	Ι
2,4,5-T	0.0167		mg/kg	Н	YES		1		1		j		1		1 1				; 	1
2,4,5-TP (Silvex)	0.0167		mg/kg	U	YES	UJ	í				UJ		1	]	1				/ 	
2,4,5-TP (Silvex)	0.0167	i	mg/kg	υ	YES	UJ					UJ		1		ii		:	• • • • • • • • • • • • • • • • • • • •	 1	! [
2,4'-D	0.0167		mg/kg	U	YES	υJ	1 1				ΟĴ		l		i i		i		' ]	i
2,4'-D	0.0167		mg/kg	U	YES	ยูม					UJ	: 	! 	}	1				 	i I
2,4-DB	0.0167		mg/kg	U	YES		1					: . <i>,</i>	: 				l		¦	! !
2,4-D8	0.0167	Ī	mg/kg	U	YES								i						/ 	<u>.</u>
Dicamba	0.0167		mg/kg	U	YES								1						i I	¦ 
Dicamba	0.0167		mg/kg	υ	YES		i i						i		i		i			<u> </u>
Analysis Method : 8260B					Dilutio	ก: 1				•••••			1							
1,1,1,2-Telrachioroethane	4.52	į	ug/Kg	U	YES			]					i i		1		Ī			
1,1,1-Trichloroethane	4.52		ug/Kg	U	YES					i		********					······································			
1,1,2,2-Tetrachioroethane	4.52		ug/Kg	U	YES			1	1					i			······			i
1,1,2-Trichloroelhane	4.52		ug/Kg	υ	YES :			1	1		· · · · · · · · · · · · · · · · · · ·						******			••••
1,1-Dichloroethane	4.52		ug/Kg	U	YES	IJ		1	1	UJ										
1,1-Dichloroethene	4.52		ug/Kg	U	YES :				1					i						
1,1-Dichloropropene	4.52		ug/Kg	υ	YES		1	1	1		·i			i I		·······	i	<i>;</i> '	••••••	
1,2,3-Trichlorobenzene	4.52		ug/Kg	U	YES		1	1	· · · · · · · · · · · · · · · · · · ·				<u>:</u> 	······i		·····i		···/	!	
1,2,3-Trichleropropane	4.52		ug/Kg	U	YES		1	ì	1				· · · · · · · · · · · · · · · · · · ·	·······i		·:				
1,2,4-Trichloropenzene	4.52		ug/Kg	υ	YES		i		i				· · · · · · · · · · · · · · · · · ·	! 				ر		
1,2,4-Trimelhylbenzene	4.52	· · · · · · · · · · · · · · · · · · ·	ug/Kg	U	YES		i	ì	·····i	· · · · · · · · · · · · · · · · · · ·		 		······	••••• <u>•</u>	······i			!	
1,2-Dibromo-3-chloropropane	27.1		ug/Kg	U	YES		i	·····	······			· · · · · · · · · · · · · · · · · · ·		·······	·			·!	<u>!</u>	
1,2-Dibromoethane	4.52		ug/Kg	υ	YES		····i	·····			· · · · · · · · · · · · · · · · · · ·			·······		اا		·!		!
1,2-Dichlorobenzene	4.52		ug/Kg	u Ì	YES :		i.	····		h				!	;.	1				

Project Number and Name:

ADR 8.2

11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Date: 9/6/2011 08:22

Page 173 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-125-S1

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/14/2011 Lab Sample ID: 31101879006 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date:

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	ÇV/
Analysis Method : 8260B			***************************************	**********	Dilutio	on: 1														
1,2-Dichloroethane	4.52		ug/Kg	U	YES					1	]			}					ı	1
1,2-Dichloropropane	4.52	;	ид/Кд	V	YES						Ī					 				1
1,3,5-Trimethylbenzene	4.52		ug/Kg	Ų	YES		i -		1	1	 	;		 	1	 				1
1,3-Dichlorobenzene	4.52		ug/Kg	U ;	YES		1		1	I	Į		1	i	l					1
1,3-Dichloropropane	4.52		ug/Kg	U	YES		i							·····	1				1	1
1,4-Dichlorobenzene	4.52		ug/Kg	V ;	YES									ļ	]	******				1
2,2-Dichloropropane	4.52		ug/Kg	υ	YES									i						ĺ
2-Butanone	22.6	· · · · · · · · · · · · · · · · · · ·	ug/Kg	U	YES		1					Į	i							
2-Chloroloiuene	4.52		ug/Kg	U	YES					1			1		1					i
2-Нехалоле	11.3	;	ug/Kg	U	YES		1			l	i		l		1		]			
4-Chlorotoluene	4.52	ĺ	ug/Kg	υ	YES	!									i 1				1	1
4-isopropyltoluene	4.52		ug/Kg	U	YES	}														1
4-Methyl-2-pentanone	11.3		ug/Kg	υ	YES		1					· · · · · · · · · · · · · · · · · · ·			1					
Acetone	14.3		ug/Kg	J	YES		1													
Benzene	4.52		ug/Kg	U	YES	1	1													
Bromobenzene	4.52		ug/Kg	U	YES :	:	1													1
Bromochloromelhane	4.52		ug/Kg	U	YES		1													1
Bromodichloromethane	4.52	i	ug/Kg	U	YES		1													: 
Bromoform	4.52	j	ug/Kg	U	YES	· · · · · · · · i														: 
Bromomethane	4.52	1	ug/Kg	U	YES ;												·····			l
Carbon disulfide	4.52		ug/Kg	U	YES	1	1				1			<u> </u>	i I		Ï			
Carbon letrachloride	4.52	Ĭ	ug/Kg	υ	YES	1	1	I	· · · · · · · · · · · · · · · · · · ·											
Chlorobenzene	4.52		ug/Kg	U	YES		I		1						1		·	:		
Chioroethane	4.52	;	ug/Kg	U	YES			<u>-</u>	i		······		· · · · · · · · · · · · · · · · · · ·		1	 	1			
Chloroform	4.52		ид/Кд	U	YES		i i	1			 	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	i		······	ì			
Chloromethane	4.52	1	ug/Kg	U	YES :							·····i	· · · · · · · · · · · · · · · · · · ·	·····i	·····i					

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

CampCarroll

Report Date: 9/6/2011 08:22 Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review Page 174 of 353



Client Sample ID : E11-125-S1

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date : 07/14/2011 Lab Sample ID: 31101879006 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date:

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overati Qual*		нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Tune	IC	ICV	CCV
Analysis Method : 8260B					Dilutio	on: 1										 			
cis-1,2-Dichloroethene	4.52		ug/Kg	U	YES		!		1	1	,							1	Ī
cis-1,3-Dichloropropene	4.52		ug/Kg	U	YES	:	!			l						 		l	
Dibromochloromethane	4.52		ug/Kg	U	YES	:				ŀ		1	1		1	 			
Dibromomelhane	4.52		ug/Kg	U	YES	:			1	1			1	!	1 1	 		†	1
Dichlorodifluoromethane	4.52		ug/Kg	U	YES						1		1	 [	1	 			
Ethyl Benzene	4.52		ug/Kg	U	YES				1		······		[	}					1
Hexachiorobuladiene	4.52		ug/Kg	U	YES					1	 }					 ĺ		1	]
Isopropylbenzene (Cumene)	4.52		ug/Kg	U	YES		<u> </u>					 			] !	 		i	i
m,p-Xylene	9.03		ug/Kg	U	YES								1			 			1
Melhyl iodide	4.52		ug/Kg	U	YES									 {	l i	 		[	
Methylene chloride	0.632		ug/Kg	J	YES	υ			U		]				1				
Naphihalene	4.52		ug/Kg	Ų	YES		· · · · · · · ·								1				
n-Butylbenzene	4.52		ug/Kg	Ų	YES		i i						 		i	 			1
n-Propylbenzene	4.52		ug/Kg	U	YES		1								l i	 i i			1
o-Xylene	4.52		ug/Kg	U	YES										[ [	 			
sec-Butylbenzene	4.52		ug/Kg	U	YES										l i	 			
Styrene	4.52		ug/Kg	U	YES										i i	 			]
tert-Butyl methyl ether (MTBE)	4.52		ug/Kg	U	YES		i									 			l
lart-Butylbenzene	4.52		ug/Kg	U	YES		1								1	 			1
Tetrachloroethene	4.52	i	ug/Kg	U	YES										1				i
Toluene	3.33		ug/Kg	J	YES	ļ													i
trans-1,2-Dichloroethene	4.52		ug/Kg	U	YES:	ŊĴ	1			UJ						 			 
trans-1,3-Dichloropropene	4.52		ug/Kg	U	YES				· · · · · · · ·		1		i			 			 
Irans-1,4-Dichloro-2-butene	22.6	Î	ug/Kg	υ	YES		1					i				 			 
Trichloroelhene	4.52		ug/Kg	U	YES	i	i		1							 i			
Trichlorofluoromethane	4.52	7	ug/Kg	U	YES							· · · · · · · · · · · · · · · · · · ·			i	 		** * * * * * *	

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

ADR 8.2

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 175 of 353

Client Sample ID : E11-125-S1

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/14/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879006

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overail Qual*		нт	мв	LCS	MS	Łab Dup	Surr	Rep Limit	Molst Tot/Dis		Tune	IC	ICV	CV/
Analysis Method : 8260B					Diluti	on: 1														
Vinyl chloride	4.52		ug/Kg ;	U	YES	;				1		1	I	{	;				1	1
Analysis Method : 8270D					Diluti	on: 1														
1,2,4-Trichlorobenzene	331		ug/Kg	U	YES	:						l I	[		1				ī	1
1,2-Dichlorobenzene	331		ug/Kg	U	YES								1		1		!		1	!
1,3-Dichlorobenzene	331		ug/Kg	U	YES	i	1					1	l		i		!		i	
1,4-Dichlorobenzene	331		ug/Kg	U	YES	[ ]	1					· · · · · · · · · · · · · · · · · · ·			1 1		1		/ [	······
2,4,5-Trichlorophenol	331		ug/Kg	U	YES	: 1	i			[		: 	i		l		i		/ 	·····
2,4,6-Trichlorophenol	331		ug/Kg	U	YES	1						i Į	1		ii				 I	!! 
2,4-Dichlorophenol	331		ug/Kg	U	YES	[		i				:	!		!i				 [	:
2,4-Dimethylphenol	331		ug/Kg	U	YES							: 	· 		i :				 	i
2,4-Dinitrotoluene	331		ид/Ко	U	YES		1					:							!! 	
2,6-Dinitrotoluene	331	:	ug/Kg	U	YES			i							j				·	i!
2-Chloronaphthalene	331		ug/Kg	U	YES	1	1	1	1	j					: 					
2-Chlorophenol	331		ug/Kg	U	YES	(		1							[				?! }	
2-Methylnaphthalene	331		ug/Kg	U	YES		1	1					i			· · · · · · · · · · · · · · · · · · ·			i i	
2-Methylphenol	331		ug/Kg	U	YES		1	1	1				)			···:			<u>:</u>	
2-Nitroaniline	331		ug/Kg	υ	YES	1	Ì		1				i			·\				
2-Nitrophenol	331		ug/Kg	ย	YES			1	1				· · · · · · · · · · · · · · · · · · ·	 		·i	······		: [	
3 and/or 4-Methylphenol	331		ug/Kg	U	YES		1	· · · · · · · · · · · · · · · · · · ·	Ì	i	ii				i	·:		•••••		····¦
3-Nitroaniline	331		ug/Kg	U	YES				1						ii	· · · · · · · · · · · · · · · · · · ·			'! 	
4-Bromophenyl phenyl ether	331		ug/Kg	U	YES		i	1	ì					···········		i			'! !	!
4-Chioro-3-methylphenol	331		ug/Kg	U	YES	i	1	1						i						
4-Chloroaniline	331		ug/Kg	υ	YES		1	1	i										'! 	
4-Chlorophenyl phenyl ether	331		ug/Kg	U	YES			î	·;. I		·i	ا		·!					· · · · · · · · · · · · · · · · · · ·	!
4-Nitroaniline	331		ug/Kg	U	YES		i	<del>-</del>	<u>-</u> -	i					i		\\. 			
4-Nitrophenol	331	1	ug/Kg	U	YES		<u>i</u> -	······	······			 I	···	!		<u>!</u>			!	l
Acenaphlhene	331		ug/Kg	ű	YES	·			· ! -	<u>'</u> .	ئــــــــــــــــــــــــــــــــــــ	!		!						

Project Number and Name:

ADR 8.2

11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Date: 9/6/2011 08:22

Page 176 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-125-S1

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date : 07/14/2011 Lab Sample ID: 31101879006 Analysis Type: RES

Sample Matrix : SO

Reviewed By / Date :

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overati Qual*		нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV
Analysis Method : 8270D		***************************************		• • • • • • • • • • • • • • • • • • • •	Dilutio	on: 1												./		
Acenaphthylene	331		ug/Kg	U	YES		i								1 :					Ī
Anthracene	331		ug/Kg	υ	YES							· · · · · · · · · · · · · · · · · · ·								l
Benzo(a)anlhracene	331		ug/Kg	υ	YES		1									•••••				Ī
Benzo(a)pyrene	331		ug/Kg	U	YES	i i	i 1			1					1		1			1
Benzo(b)fluoranthene	331		ug/Kg	U	YES										1 1					i
Benzo(g,h,i)perylene	331		ug/Kg	U	YES										i i				1	1
Benzo(k)fluoranthene	331		ug/Kg	U	YES		ĺ		·										1	1
Bis(2-Chloroethoxy)methane	331		ug/Kg	U	YES		1								1				1	ì
Bis(2-Chloroethyl)ether	331		ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·													1
Bis(2-Chloroisapropyl)ether	331		ug/Kg	U	YES		i i								1					Í
Bis(2-Ethylhexyl)phthalate	331		ug/Kg	U	YES				-						i				1	
Bulyl benzyl phthalate	331		ug/Kg	U	YES	· · · · · · · · · · · · · · · · · · ·	Ī			i							1		 	
Chrysene	331	ĺ	ug/Kg	υ	YES		1						į		l i			*******		
Dibenz(a,h)anthracene	331	:	ug/Kg	U	YES		1					1								
Dibenzoluran	331		ug/Kg	U	YES		1			·····			i							1
Diethyl phthalale	331	:	ug/Kg	U	YES		1	1					i		[				}	1
Dimethyl phthalate	331		ug/Kg	U	YES		1	1		· · · · · · · i					1		į			1
Di-n-bulyl phthalate	331		ug/Kg	U	YES		1				i	1			1 (					
Di-n-octyl phthalate	331		ug/Kg	υ	YES	1			1	,		1	1		1	1				1
Fluoranthene	331		ug/Kg	U	YES :	(	1	1				j	1		l	1	1			ĺ
Fluorene	331		ид/Кд	U	YES		1	1			}	1	1		1	I				i
Hexachlorobenzene	331	<u> </u>	ug/Kg	U	YES		1	1	1			1					1			
Hexachlorobuladiene	331		ug/Kg	U	YES		1						1			Ì	1			
Hexachiorocyclopenladiene	331		ug/Kg	U	YES	}	]	1	1	1		1	1			· · · · · · · · · · · · · · · · · · ·			i	
Hexachloroethane	331		ug/Kg	U	YES		1	1	1							i				
indeno(1,2,3-cd)pyrene	331	1	ug/Kg	υ	YES	i	· · · · · · · · · · · · · · · · · · ·	1	1			ŀ			1					

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

ADR 8.2

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categorias not assessed by automated data review

Page 177 of 353

Client Sample ID : E11-125-S1

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date : 07/14/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101879006

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	мв	L.CS	MS	Lab Dup	Surr	Rep Limit	Molst Tot/Dis	Field QC	Tune	IC	ICV	CCV
Analysis Method : 8270D					Diluti	on: 1								************		***************************************				
Isophorone	331		ug/Kg	U	YES	:		l	1										1	1
Naphthalene	331		ug/Kg	υ	YES	:		[			1			!					1	
Nitrobenzene	331		ug/Kg	U	YES	:				1	-	·					[			
n-Nitrosodi-n-propylamine	331		ug/Kg	U	YES					1					l I		1			j
Pentachlorophenol	331		ug/Kg	U	YES				1	1	İ				i i				1	1
Phenanthrene	331		ид/Кд	U	YES	:			1						i i				) 	1
Phenol	331		ug/Kg	U	YES		********		1					İ	1		i I		1	ı
Pyrene	331	1	ug/Kg	U	YES				· 	: 	1				i				/ 	: I

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

ADR 8.2 Report Date: 9/6/2011 08:22
\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 178 of 353



Client Sample ID : E11-125-S2

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date : 07/14/2011 Lab Sample ID: 31101879007 Analysis Type: RES

Sample Matrix : SO

Reviewed By / Date :

Approved By / Date:

Analyte Name	Result	Uncertainty I Error	Result Units	Lab Quai	Rep Res	Overall Qual*	Temp	нт	МВ	LCS	MS	£ab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	<b>ICV</b>	CCV
Analysis Method : 6010C					Dilutio	on: 1	,													
Arsenic	1.72		mg/kg	•	YES	J			]			J		Į						
Barium	96.7		mg/kg		YES	J					Ì	J	1		[					1
Cadmium	0.572		mg/kg	,	YES	UJ			U	l		J			l i				1	I
Chromium	2.48		mg/kg		YES				[								1		1	1
Lead	5.26		mg/kg		YES	J						J	1		1 1				1	1
Selenium	2.06		mg/kg	U	YES								1	1	1				1	1
Silver	0.272		mg/kg	J	YES	U			U				İ		İ					1
Analysis Method : 7471B					Dilutio	n: 1														4
Mercury	0.0185		mg/kg	บ	YES									!	1 :		Į		1	1
Analysis Method : 8081					Dilutio	n: 1														
4,4'-DDD	10.2		ug/Kg	U	YES						i				1	-			1	1
4.4'-DDD	10.2		ид/Кд	U	YES										1			•		
4,4'-DDE	10.2		ug/Kg	U	YES														ì	]
4,4*-DDE	10.2		ug/Kg	U	YES											]				1
4,4'-DDT	1.53		ug/Kg	JР	YES	U	1		U							1				1
4,4'-DDT	1.53		ug/Kg	JP	YES	U	1		U	)									1	1
Aldrin	10.2		ug/Kg	U	YES	}													1	
Aldrin	10.2		ug/Kg	U	YES					·····i					į	I	}			1
alpha-BHC	10.2	;	ug/Kg	U	YES		i								1	i	1		i i	1
alpha-BHC	10.2		ug/Kg	U	YES											1				i
alpha-Chlordane	10.2		ug/Kg	U	YES	}		i	1		·····						······			i
alpha-Chlordane	10.2		ug/Kg	U	YES			1	I		?				i		1		1	i
bela-BHC	10,2		ug/Kg	υ	YES		1					·····		· · · · · · · ·		·i				1
beta-BHC	10.2		ug/Kg	U	YES			1	1	· · · · · · · · · · · · · · · · · · ·		i		i		······				1
Chlordane	33.9	1	ug/Kg	U	YES	;	 	1	1			i	<u>/</u> 	·i	·····i	·······	······			: f
Chlordane	33.9		ug/Kg	υ	YES	i	i	]	1		·i	·······	· · · · · · · · · · · · · · · · · · ·		1		i		i	 I
delta-BHC	10.2		ug/Kg	U	YES :		·····i			i	اا ا	ا ا								i

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used: Can Report Date: 9/6/2011 08:22

CampCarroll

Page 179 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-125-S2

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/14/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879007

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	НT	мв	LCS	MS	Նահ Dup	Surr	Rep Limit	Moist Tot/Dis		Тиле	ic	icv	CV/
Analysis Method : 8081					Dilutio															
delta-BHC	10.2		ug/Kg	U	YES						1		<u> </u>	ī	1		1		Ī	
Dieldrin	10.2		ug/Kg	U	YES	1			` 		: 	:	1	1					i	i
Dieldrin	10.2		ug/Kg	U	YES	1					 	:	1						i	i
Endosulian I	10.2		ug/Kg	U	YES								1	i	<u> </u>				İ	i
Endosulfan I	10.2		ug/Kg	U	YES	1		1			·	: 	Ì	i	İ		Ì		i i	i
Endosulfan II	10.2	1	ug/Kg	Ų	YEŞ			1			, ,	 	i		<u> </u>				ì Ì	i
Endosulfan il	10.2		ug/Kg	U	YES		1												i	i
Endosulfan sulfate	10.2		ug/Kg	U	YES	1	1	1				 			i				i	i
Endosulfan sulfate	10,2		ug/Kg	U	YES			1							1		1		/ 	1
Endrin	10.2		ug/Kg	U	YES	i I	· · · · · i	1							i		1		<u> </u>	Ì
Endrin	10.2	;	ug/Kg	U	YES		1	1									· ·		l	1
Endrin aldehyde	10.2		ug/Kg	U	YES	:		1							1					1
Endrin aldehyde	10.2		ug/Kg	υ	YES			1							1	1				1
Endrin kelone	10.2	i	ug/Kg	U	YES			1		i							1		1	
Endrin ketone	10.2	Ĭ	ug/Kg	U	YES											1			1	
gamma-BHC (Lindane)	10.2		ug/Kg	U	YES	[			1					į l					1	
gamma-BHC (Lindane)	10.2	1	ug/Kg	U	YES		1		1		1		1	<i>i</i> 1		· · · · · · · · · · · · · · · · · · ·				1
gamma-Chlordane	10.2		ug/Kg	U	YES	. 1	1	1								1			/	1
gamma-Chlordane	10.2		ug/Kg	υ	YES				]	}					1					1
Heptachlor	10.2		ug/Kg	U	YES		1	1	1						1	I		1		]
Heptachlor	10.2		ug/Kg	U	YES	.	1	1	1				1		1			1		
Heptachlor epoxide	10.2		ug/Kg	υ	YES	.	1	1	1		1				1	1				1
Heptachlor epoxide	10.2		ug/Kg	U	YES		1	1	1	,		-		. 1	1	ĺ		1	[ ]	1
Methoxychlor	10.2	1	ug/Kg	U	YES			1	-	i				.	<i> </i>	1		1		
Melhoxychlor	10.2		ug/Kg	U	YES		1	1	1				1	1	( )			1		[
Foxaphene	33.9		ug/Kg	U	YES	1	1	1				1	1			1	· · · · · · · · · · · · · · · · · · ·		1	i

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Date: 9/6/2011 08:22

Page 180 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-125-S2

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date : 07/14/2011 Lab Sample ID: 31101879007 Analysis Type: RES

Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overall Qual*	Тетр	нт	MB	LCS	MS	Lab Dup	Surr		Moist Tot/Dis		Tune	ıc	ICV	CCV
Analysis Method : 8081	***************************************	//			Dilutio	n: 1														
Toxaphene	33,9	;	ug/Kg	U	YES	-				]	i				1					Ī
Analysis Method : 8151					Dilutio	n: 1														
2,4,5-T	0.0165	<u>i</u>	mg/kg	U	YES					l			l	1			1		1	1
2.4.5-TP (Silvex)	0.0185		mg/kg	U	YES	UJ					UJ	1		}	1		1	• • • • • • • • • • • • • • • • • • • •		
2,4'-D	0.0165		mg/kg	υ	YES	UJ	1				UJ			!	1					1
2,4-D8	0.0165		mg/kg	U	YES		ı								1 1		}		1	1
Dicamba	0.0165		mg/kg	บ	YES	į				1	i			 	1		1		1	
Analysis Method : 8260B					Dilutio	n: 1													***********	·
1,1,1,2-Tetrachloroethane	4.68		ug/Kg	U	YES :	Į					i		1	,	1 1			***********		Ī
1,1,1-Trichloroethane	4.68		ug/Kg	U	YES (								[		1					
1,1,2,2-Telrachloroethane	4.68		ug/Kg	U	YES		1								1				]	1
1,1,2-Trichloroethane	4.68		ug/Kg	U	YES	į	]			(									1	
1,1-Dichloroethane	4.68		ид/Кд	Ų	YES :	UJ	1			UJ					1					i
1,1-Dichloroethene	4.68		ug/Kg	U	YES										1				 	i
1,1-Dichloropropene	4.68		ug/Kg	U	YES :														1	i
1,2,3-Trichlorobenzene	4.68		ug/Kg	U	YES :	1									[				i	! !
1,2,3-Trichloropropane	4.68	;	ug/Kg	υ	YES	······									i i				1	i
1,2,4-Trichlorobenzene	4.68		ug/Kg	υ	YES	i	1							:	1				: 	
1,2,4-Trimethylbenzene	4.68		ug/Kg	U	YES :								i		1				/ 	1
1,2-Dibromo-3-chloropropane	28.1	i i	ug/Kg	U	YES		i				i	1	i		i		i			
1,2-Dibromoethane	4.68		ug/Kg	υ	YES		· · · · · · · · · · · · · · · · · · ·	. 1				··			i					! <i></i> . !
1,2-Dichiarobenzene	4,68		ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·	1				·····i	· )		ii				i	
1,2-Dichloroethane	4.68		ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·		1	i	i	·: 							: <i>,</i> , , ,	:
1,2-Dichloropropane	4.68	1	ug/Kg	U	YES				<u>}</u>	i	···	ii	: 		i		1		),,, 	
1,3,5-Trimethylbenzene	4.68		ug/Kg	υ	YES :			ì	·i	<i>:</i> 	<del>-</del>	 I		: 	i	 1	(			
1,3-Dichlorobenzene	4.68		ug/Kg	υ	YES	i. 	··········			 أ	<del>-</del>	········			: <i>i</i> ,	اا			! I	
1,3-Dichloropropane	4.68		ug/Kg	u	YES		······.	·\	·······	••••••••••••••••••••••••••••••••••••••				!	!	!				

Project Number and Name:

ADR 8.2

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

Page 181 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-125-S2

Reviewed By / Date:

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/14/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101879007

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	МВ	LCS	MS	Łab Dup	Surr		Moist Tot/Dis		Tune	íC	ICV	CCV
Analysis Method : 8260B					Dilutle	on; 1									*************					
1,4-Dichlorobenzene	4.68	:	ug/Kg	U	YES		-						1	1	1					
2,2-Dichloropropane	4.68		ug/Kg	U	YES								j		1					
2-Bulanone	23.4		ug/Kg	U	YES															]
2-Chlorotoluene	4.68		ug/Kg	U	YES		1										1		1	1
2-Hexanone	11.7		ug/Kg	υ	YES		·								1					
4-Chlorololuene	4.68		ug/Kg	υ	YES															l
4-Isopropylloluene	4.68		ug/Kg	U	YES											.,	ļ			
4-Methyl-2-penlanone	11.7	į i	ug/Kg	U	YES		1				.,,,,,,,,						]			
Acetone	9.78		ug/Kg	J	YES	1	1													1
Benzene	4.68		ug/Kg	υ	YES										j j		ì			
Bromobenzene	4.68		ug/Kg	U	YES								,							
Bromochloromethane	4.68		ug/Kg	U	YES	}	1	]	į			ļ			l i					
Bromodichloromethane	4.68		ug/Kg	U	YES		1	1		j		ı					ì			
Bromoform	4.68		ug/Kg	U	YES	i	1	1				1								1
Bromomethane	4.68		ug/Kg	U	YES				1	·····i										
Carbon disulfide	4.68	,	ug/Kg	U	YES				1	·····	· · · · · · · i		1		l					1
Carbon tetrachloride	4.68	,	ug/Kg	U	YES ;	1	1					[								
Chlorobenzene	4.68		ug/Kg	υ	YES		1	1				]					1			}
Chloroethane	4.68		ug/Kg	U	YES	i	ı	i		1	1		i				1			
Chloroform	4.68	ĺ	ug/Kg	U	YES			1		}	1	I				1	[			
Chloromethane	4.68	;	ug/Kg	U	YES	}					1	1	1			ı				
cis-1,2-Dichloroethene	4,68		ug/Kg	U	YES		1		1		i		1			1		i		
cis-1,3-Dichloropropene	4.68		ug/Kg	U	YES		1	Î	1	1		1					1			: :
Dibromochloromethane	4.68		บg/Kg	U	YES			1	]		1	Ì				1	1			
Dibromomethane	4.68		ug/Kg	U	YES				· · · · · · · · · · · · · · · · · · ·			i			İ	ì		i	· · · · · · · · ·	
Dichlorodifluoromethane	4.68	Ť	ug/Kg	U	YES :		1					··· · · · · · · · · · · · · · · · · ·				·······	i	· · · · · · · · · · · · · · · · · · ·	·······	

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

ADR 8,2

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 182 of 353



Client Sample ID: E11-125-S2

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/14/2011

Analysis Type: RES

Lab Sample ID: 31101879007

Sample Matrix : SO

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty I Error	Result Units	Lab Qual	Rep Res	Overati Quai*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	ıc	ICV	CCV
Analysis Method : 8260B					Dilutio	on: 1														
Ethyl Benzene	4.68		ug/Kg	U	YES		1		1		1		1	1					]	
Hexachlorobutadiene	4.68		ug/Kg	υ	YES							!	l							
(Sopropylbenzene (Cumene)	4.68		ug/Kg	U	YES		-		1	1		]	1							1
m,p-Xylene	9.36		ug/Kg	U	Y⊵S	ĺ	}			1					!				1	1
Methyl lodide	4.68		ид/Кд	U	YES		ĺ					ĺ								Ï
Methylene chloride	18.7		ug/Kg	U	YES										i i		]		1	l
Naphthalene	4.68		ug/Kg	U	YES								i						 	
n-Bulylbenzene	4.68		ug/Kg	U	YES	1	· · · · · · · · · · · · · · · · · · ·					!								
n-Propylbenzene	4.68		ug/Kg	U	YES	· · · · · · · i	1												[	
o-Xylene	4,68		ug/Kg	U.	YES		1		· · · · · ·										]	
sec-Bulyibanzane	4.68		ug/Kg	U	YES		1			;									i	1
Styrene	4.68		ug/Kg	U	YES										1				i	
tert-Butyl methyl ether (MTBE)	4.68		иу/Ку	U	YES				· · · · · ·											
lerl-Butylbenzene	4,68		ug/Kg	U	YES		1													
Tetrachloroethene	4.68		ug/Kg	U	YES						.,				[				1	1
Toluene	3.35		ug/Kg	J	YES	į	1													1
trans-1,2-Dichtoroethene	4.68		ug/Kg	U	YES	ÛΊ				IJ										1
trans-1,3-Dichloropropene	4.68		ug/Kg	U	YES		1		1								1			i
trans-1,4-Dichloro-2-butene	23.4		ug/Kg	U	YES		1								i		-			i
Trichloroelhene	4.68		ug/Kg	U	YES		1								1		i			1
Trichtorofluoromethane	4,68		ug/Kg	U	YES	1				}			1	į	)	i				i
Vinyl chloride	4.68		ug/Kg	U	YES		1		1	İ		ı	]							
Analysis Method : 8270D					Dilutio	n: 1														
1,2,4-Trichlorobenzene	334		ug/Kg	υ	YES	1	I	I		- 1						1	ì			
1,2-Dichlorobenzene	334		ug/Kg	U	YES :	1					I	I				ĺ				
1,3-Dichlorobenzene	334		ug/Kg	U	YES :		1		1	,	1	ı	1	1		I				
1,4-Dichlorobenzene	334		ug/Kg	U	YES:		1		1		1	1	;							

Project Number and Name:

ADR 8.2

11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Date: 9/6/2011 08:22

Page 183 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-125-S2 Sample Date: 07/14/2011

Lab Report Batch: 31101879

Analysis Type: RES

Lab ID: SGSW

Sample Matrix: SO

Lab Sample ID: 31101879007

Reviewed By / Date:

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV
Analysis Method : 8270D					Dilutio	n: 1														
2,4,5-Trichlorophenol	334		ug/Kg	U	YES				1	1				1	1			~~~~		Ī
2,4,6-Trichlorophenol	334		ug/Kg	υ	YES						{			!						I
2,4-Dichlorophenol	334		ug/Kg	U	YES						{								1	1
2,4-Dimethylphenol	334		ug/Kg	U	YES				l			!			I I					Ī
2,4-Dinitrotoluene	334		ug/Kg	U	YES				1				[		1					
2,6-Dinitrotoluene	334		ug/Kg	U	YES										l i					
2-Chloronaphthalene	334		ид/Кд	U	YES															i
2-Chiorophenol	334		ид/Кд	U	YES		· · · · · · · ·			1		·······			j				· • • · · · · · ·	i
2-Methylnaphthalene	334		ug/Kg	U	YES		Ì								ii					i
2-Methylphenol	334		ug/Kg	Ų	YES		1								i					i
2-Nitroaniline	334		ug/Kg	υ	YES		1								1					: 
2-Nilrophenol	334		ug/Kg	U	YES										   }		;			i
3 and/or 4-Mothylphenol	334		ug/Kg	U	YEG :		····													
3-Nitroaniline	334		ug/Kg	U	YES		1								i					
4-Bromophenyl phenyl ether	334		ug/Kg	U	YES	i	· · · · · · · · i								i i		ii			i
4-Chloro-3-methylphenol	334		ug/Kg	υ	YES															i
4-Chloroaniline	334		ug/Kg	U	YES		i								ii		1			1
4-Chlorophenyl phenyl elher	334	· · · · · · · · · · · · · · · · · · ·	ug/Kg	V	YES	ì	·····													1
4-Nitroaniline	334		ug/Kg	U	YES	i					········i		i							1
4-Nitrophenal	334		ug/Kg	υ	YES	· · · · · · · · · · · · · · · · · · ·	······i											/ 		
Acenaphthene	334	1	ug/Kg	U	YES	· · · · · · · · · · · · · · · · · · ·		1	/			! 								1
Acenaphlhylene	334		ug/Kg	U	YES	· · · · · · · · i	i	1	 	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	······				·······	 ا		 
Anthracene	334		ug/Kg	υ	YES	i 	· · · · · · · · · · · · · · · · · · ·									:ا ا		ا		
Benzo(a)anthracene	334		ug/Kg	U	YES	i 				،	·	i	<i>-</i>	: ا		! 				
Benzo(a)pyrene	334		ug/Kg	U	YES							:ا					 ا	/	! ا	
Benzo(b)fluoranthene	334	*******	ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·					: ا					!	

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Date: 9/6/2011 08:22

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 184 of 353

Client Sample ID : E11-125-S2

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date : 07/14/2011 Lab Sample ID: 31101879007

Analysis Type: RES

Sample Matrix : SO

Reviewed By / Date :

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overal! Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCA
Analysis Method : 8270D				************	Dilutie	n: 1	************		. 1. 7. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.											
Benzo(g,h,i)perylene	334		ug/Kg	U	YES					1				ļ	1					
Senzo(k)fluoranthene	334		ид/Кд	U	YES							ļ	1				1			
Bis(2-Chloroethoxy)methane	334		ug/Kg	U	YES		1													1
Bis(2-Chloroethyl)ether	334		ug/Kg	U	YES		1										(			
Bis(2-Chloroisopropyl)ether	334		ug/Kg	U	YES														1	ĺ
Bis(2-Ethylhexyl)phlhalale	334		ug/Kg	U	YES														 	
Bulyi benzyl phthalate	334		ug/Kg	U	YES		1										1		 	
Chrysena	334	:	ug/Kg	U	YES														1	
Dibenz(a,h)an(hracene	334	:	ug/Kg	υ	YES		1									1				1
Dibenzoluran	334		ug/Kg	U	YES		1													i
Diethyl phthalale	334		ug/Kg	U	YES														1	1
Dimethyl phthalate	334		ug/Kg	U	YES		1									i			1	
Di-n-butyi phinalale	334		ug/Kg	U	YLS		1		· · · · · · · · · · · · · · · · · · ·						i	Î				
Di-n-octyl phthalate	334		ug/Kg	U	YES								i							1
Fluoranthene	334		ug/Kg	υ	YES								1							1
Fluorene	334		ug/Kg	U	YES		-	1		,							i			i
Hexachlorobenzene	334		ug/Kg	U	YES		1	ĺ			i	i [	1			1	į			ĺ
Hexachlorobutadiene	334		ug/Kg	U	YES ;		1								[ ]	1	1			ĺ
Hexachlorocyclopentadiene	334		ug/Kg	U	YES	j		1	1		i						1			1
Hexachloroethane	334		ug/Kg	U	YES			1		1	,					]				1
Indeno(1,2,3-cd)pyrene	334		ug/Kg	υ	YES		1	Ī	1	1	}		]			······	1		l	 [
Isophorone	334		ug/Kg	U	YES		I		I	i		i	}				1			
Naphthalene	334		ug/Kg	U	YES	Ì	1		1	I		1			1		1			
Nitrobenzene	334		ug/Kg	U	YES	1		Î	1			······					···			
n-Nitrosodi-n-propylamine	334		ug/Kg	U	YES	i	i	ì	1		1	i		·i		i	·····			
Pentachiorophenol	334	;	ug/Kg	U	YES		1							· · · · · · · · · · · · · · · · · · ·		·	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

ADR 8.2

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manualty for categories not assessed by automated data review

Page 185 of 353

Client Sample ID: E11-125-S2

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/14/2011 Lab Sample ID: 31101879007 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Quai*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Flefd QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8270D					Diluti	on: 1														
Phenanthrene	334	1	ug/Kg	U	YES	:												•	l	1 1
Phenol	334		ug/Kg	U	YES												1			
Pyrene	334		ug/Kg	υ	YES												1		1	1

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

ADR 8.2

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 186 of 353

Client Sample ID : E11-126-S1

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/14/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879004

Reviewed By / Date :

Approved By / Date:

		Hannadalas 1	Daniel	1	D	0						1 a b		Day	Mala	Flate				
Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep	Overall Quai*	Temp	HT	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	QC	Tune	IC	ICV	CV /
Analysis Method : 6010C					Dilutie	on: 1														
Arsenic	2.43		mg/kg		YES	J	Į	1	1		į	J		l	1				ŀ	
Barium	68.4		mg/kg		YES	j					}	J		l						1
Cadmium	0.692		mg/kg		YES	J	]					J	1	1						1
Chromium	2.54		mg/kg		YES					1				1					1	1
Lead	7.63		mg/kg		YES	J						J			1					
Selenium	2.11		mg/kg	U	YES										1		}			
Silver	0.196		mg/kg	J	YES	U			U								1			1
Analysis Method : 7471B					Dilutio	n: 1														
Mercury	0.0215		mg/kg	U	YES				1	1										1
Analysis Method : 8081					Ditutio	n:1														
4,4'-DDD	2.11		ug/Kg	J	YES				<u> </u>	1			<u> </u>		1					<u> </u>
4,4'-DDD	2.11	<u> </u>	ug/Kg	J	YES				<u> </u>	1			l		]				<u> </u>	ļ.,
4,4" DDE	3.40	<u>j</u>	ug/Kg	J	YES		<u> </u>		l				<u> </u>		l				ļ	1
4,4'-DDE	3.40	<u> </u>	ug/Kg	J	YES					<u> </u>					<u> </u>					
4,4'-DDT	3.04	<u> </u>	ug/Kg	JР	YES	บ	1		U	l	<u>                                     </u>				l				l	<u> </u>
4,4'-DDT	3.04		ug/Kg	JР	YES	U			U											
Aldrin	10.1		ug/Kg	U	YES					ļ	ĺ				1		1			1
Aldrin	10.1	i	ug/Kg	U	YES															1
aipha-BHC	10.1	l	ug/Kg	υ	YES				l i			l			[		. 1			
alpha-BHC	10.1		ug/Kg	υ	YES															1
alpha-Chlordane	10,1		ug/Kg	U	YES															1
alpha-Chlordane	10.1		ug/Kg	U	YES		1								ı	1				1
bela-BHC	10.1		ug/Kg	U	YES							1	j				í			1
bela-BHC	10.1		ug/Kg	υ	YES		1						]							į
Chlordane	33.8		ug/Kg	υ	YES		1						1	,						
Chlordane	33.8	į	ug/Kg	U	YES	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Ĭ									Ì				
delta-BHC	10.1	ĺ	ug/Kg	U	YES	]	]	1			Ì	1			}	Ì	1			

Project Number and Name:

ADR 8.2

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Dale: 9/6/2011 08:22

CampCarroll

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 187 of 353



Client Sample ID: E11-126-S1

Reviewed By / Date:

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/14/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101879004

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overali Qual*		нт	MB	LCS	MS	Lab Dup	Surr		Moist Tot/Dis		Tune	iC	ICV	CCV
Analysis Method : 8081					Diluti	on: 1														
della-BHC	10.1		ug/Kg	U	YES				]	1	1				1					Ī
Dieldrin	10.1		ug/Kg	U	YES	:	I	*	1	1										
Dielorin	10.1		ug/Kg	U :	YES	:			l		 								1	l
Endosulfan I	10.1		ug/Kg	U	YES				1		!	1 1	1						l	[
Endosulfan I	10.1		ug/Kg	U	YES	[				l										1
Endosulfan il	10.1		ug/Kg	U	YES		ı				}						1			1
Endosulfan II	10.1		ug/Kg	Ų	YES	 :			1											1
Endosulfan sulfate	10,1		ug/Kg	U	YES		[												1	ĺ
Endosullan sulfale	10.1		ug/Kg	U	YES										[				1	
Endrin	10.1		ug/Kg	U	YES		1			1										
Endrin	10.1		ug/Kg	Ų	YES		i				í								'	
Endrin aldehyde	10.1	:	ug/Kg	U	YES		1								l i				/	
Endrin aldehyde	10.1		ug/Kg	U	YES								}		[					
Endrin kelone	10.1		ug/Kg	U	YES		1													
Endrin ketone	10.1		ug/Kg	U	YES		1										·····			
gamma-BHC (Lindane)	10.1		ug/Kg	U	YES			· · · · · · · · · · · · · · · · · · ·									1			
gamma-BHC (Lindane)	10.1		ug/Kg	U	YES		1	[		· · · · · ·		1				· · · · · · · · · · · · · · · · · · ·	1			
gamma-Chlordane	10.1		ug/Kg	υ	YES	j	1	]				1	]		i	I				i
gamma-Chlordane	10.1		ug/Kg	U	YES		1	1					1							1
Heptachlor	10.1		ug/Kg	U	YES		1	1								i	1		1	1
Heptachlor	10.1		ug/Kg	U	YES			1			!	1	1		1	1	}		1	1
Heptachlor epoxide	10.1		ug/Kg	U ;	YES		1				-	1	1			1	1			1
Heptachtor epoxide	10.1		ug/Kg	U	YES	í	1	1	1		· · · · · · · i	1	1			1		1		
Methoxychiar	10.1		ug/Kg	U	YES			1												
Methoxychlor	10.1		ug/Kg	U	YES	· · · · · · · · · · · · · · · · · · ·		1				· · · · · · · · ·				i	1		i i	
Toxaphene	33.8		ug/Kg	U	YES	1	1	1	]			ì			1	·····i	1			

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

ADR 8.2

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 188 of 353

Client Sample ID : E11-126-S1

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/14/2011 Lab Sample ID: 31101879004 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overal Qual*	í Temp	тн	МВ	LCS	MS	Lab Đup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV
Analysis Method : 8081				***********	Diluti	on: 1														
Toxaphene	33.8		ug/Kg	U	YES	;			ŀ	1	[	10000							Ī	1
Analysis Method ; 8151			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Diluti	on: 1														
2,4,5·T	0.0167		mg/kg	U	YES	:			1		į	į				~~~~~~			Ī	
2,4,6 T	0.0167		mg/kg	U	YES						Į				1					
2,4,5-TP (Silvex)	0.0167		mg/kg	U	YES	UJ	! 1				UJ	}							1	1
2,4,5-TP (Silvex)	0.0167		mg/kg	U	YES	UJ	1				IJ									l
2,4'-0	0.0167		mg/kg	U	YES	UJ					υJ				ĺ		i !		1	l
2,4'-D	0.0167		mg/kg	U	YES	UJ			 	1	UJ				1				1	!
2,4-DB	0.0167		mg/kg	U	YES		1					!	1		1				1	
2,4-DB	0.0167		mg/kg	U	YES							]	1						Ĭ	]
Dicamba	0.0167		mg/kg	υ	YES								1						Ī	İ
Dicamba	0.0167		mg/kg	U	YES							i							1	1
Analysis Method : 8260B					Dilutio	วก: 1									*******					
1,1,1,2-Tetrachloroethane	4.27	j	ug/Kg	U	YES		1					;			1			uviuiuuu	]	
1,1,1-Trichloroethane	4.27		ug/Kg	U	YES		i i								i ;				1	1
1,1,2,2-Telrachloroethane	4.27		ug/Kg	U	YES														1	
1,1,2-Trichloroethane	4.27		ug/Kg	U	YES							i							1	
1,1-Dichloroethane	4.27		ug/Kg	V	YES	UJ	1			เม		······			İ					
1,1-Dichloroethene	4.27		ug/Kg	U	YES		1				• • • • • • • • •				1		·····			
1,1-Dichloropropene	4.27		ug/Kg	U	YES	**	1						i i				1			
1,2,3-Trichlorobenzene	4.27		ug/Kg	V	YES		1										1		i i	1
1,2,3-Trichloropropane	4.27		ug/Kg	υ	YES		i i	1	ĺ				i						i i	i
1,2,4-Trichlorobenzene	4.27	;	ug/Kg	U	YES			Î												
1,2,4-Trimethylbenzene	4.27		ug/Kg	U	YES			1	············								·····			
1,2-Dibromo-3-chloropropane	25.6		ug/Kg	U	YES		i										1		! 	
1,2-Dibromoethane	4.27		ug/Kg	υ	YES		· · · · · · · · · · · · · · · · · · ·	····	1	·······			i i			·i			! 	········
1,2-Dichlorobenzene	4.27		ug/Kg	U	YES		i i i i i i i i i i i i i i i i i i i	<del>-</del>		 ا					·i	؛ا ا			!   1	

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll Report Date: 9/6/2011 08:22

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 189 of 353

Client Sample ID: E11-126-S1

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/14/2011 Lab Sample ID: 31101879004 Analysis Type: RES

Sample Matrix : SO

Reviewed By / Date:

Approved By / Date:

		Uncertainty /	Result	f mis	Dor	Overall					************	Lab		Dor	\$8 min*	Clair				
Analyte Name	Result	Error	Units	Lab Qual		Quai*		нт	MB	LCS	MS	Lab Dup	Surr		Moist Tot/Dis		Tune	(C	<b>ICV</b>	CCV
Analysis Method : 8260B					Diluti	on: 1														
1,2-Dichloroethane	4.27		ug/Kg	U	YES	:				1	ì		l						1	
1,2-Dichloropropane	4.27		ug/Kg	U	YES								1	1	1					1
1,3,5-Trimethylbenzene	4.27		ug/Kg	U	YES						 	1			]				1	1
1,3-Dichlorobenzene	4.27		ug/Kg	U	YES						1	ĺ			1				1	1
1,3-Dichloropropane	4.27		ug/Kg	U	YES										1					
1,4-Dichlorobenzene	4.27		ug/Kg	U	YES									· · · · · · · · · · · · · · · · · · ·						
2,2-Dichloropropane	4.27		ug/Kg	U	YES										i					1
2-Bulanone	25.4		ug/Kg		YES										į į				1	i
2-Chlorotoluene	4.27		ug/Kg	υ	YES	:													î	i
2-Hexanone	10.7		ug/Kg	U	YES														1	i
4-Chlorotoluene	4.27		ug/Kg	U	YES														í Í	i
4-isopropyltoluene	4.27		нд/Кд	U	YES		· · · · · · · ·								i				i	i I
4-Methyl-2-pentanone	10.7		ug/Kg	U	YES										i				: 	i I
Acelone	128		ug/Kg		YES										i		1		 	i
Benzene	4.27		ug/Kg	U	YES		1												· · · · · · · · · · · · · · · · · · ·	1
Bromobenzene	4.27		ug/Kg	U	YES		1										· · · · · · · · · · · · · · · · · · ·			1
Bromochloromelhane	4.27		ug/Kg	U	YES	· · · · · · · · · · · · · · · · · · ·	· · · · · i								i				1	1
Bromodichloromethane	4.27	i	ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·	 		i		1		i	1
Bromoform	4.27		ug/Kg	U	YES						i				i	 [	i			1
Bromomethane	4.27		ug/Kg	υ	YES	· · · · · · · · · · · · · · · · · · ·	1	1	1	:				,	i		i			i
Carbon disulfide	4.27		ug/Kg	U	YES			1		· · · · · · · · · · · · · · · · · · ·		······	.,				i			
Carbon tetrachloride	4.27		ug/Kg	U	YES			Ì				ì							i	
Chlorobenzene	4.27		ug/Kg	U	YES			· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	 	·······i	<u>/</u>			: ا	i		· !	
Chloroethane	4.27		ug/Kg	U	YES			········	1			!		<u>:</u>	i			• • • • • • • • • • • • • • • • • • • •		
Chloroform	4.27		ug/Kg	U	YES	i	·····i	·····i	1										· · · · · · · · · · · · · · · · · · ·	
Chloromethane	4.27		ug/Kg	U	YES		i. I	i			·······	i		·····i		! 	·····		! 	

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used:

CampCarroll

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 190 of 353

Client Sample ID: E11-126-S1

Reviewed By / Date:

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date: 07/14/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879004

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*		нт	МВ	LCS	MS	Lab Dup	Surr		Moist Tot/Dis		Tune	ıc	icv	CCV
Analysis Method : 8260B					Dilutio	วก: 1														
cis-1,2-Dichloroethene	4.27		ug/Kg	U	YES						ļ		1	Ì	]					Ī
cis-1,3-Dichloropropene	4.27		ug/Kg	U	YES						1	{	1							1
Dibromochloromethane	4.27		ug/Kg	U	YES							}			1					l
Dibromomethane	4.2/		ug/Kg	U	YES				l				[		1				1	1
Dichlorodifluoromethane	4.27		ид/Ко	U	YES						<u> </u>						[		1	i
Ethyl Benzene	4.27		ug/Kg	U	YES		1								i i					
Hexach orobutad ene	4.27		ug/Kg	U	YES		1					 			İ				i	i
Isopropylbenzene (Cumene)	4.27		ug/Kg	U	YES				` 			 							 Į	i
m,p-Xylene	8,54	İ	ug/Kg	U	YES										i				: 	i
Methyl lodide	4.27		ug/Kg	U	YES										i				i I	i
Methylene chloride	17.1		ug/Kg	Ų	YES														i 	i
Naphthalene	4.27	i	ug/Kg	U	YES									*	<u>.</u>	· · · · · · · · · · · · · · · · · · ·	i i		 	 
n-Bulylbenzene	4.27		ug/Kg	U	YES							i			i i				i	i I
n-Propylbenzene	4.27		ид/Кд	Ų	YES		·····i								İ					İ
o-Xylene	4.27		ug/Kg	υ	YES			· · · · · · · · · · · · · · · · · · ·							i				: 	;
sec-Bulylbenzene	4.27		ug/Kg	U	YES										1	 				i
Slyrene	4.27		ug/Kg	U	YES -		ii								ii	: 			 	i
tert-Butyl methyl ether (MTBE)	4.27		ug/Kg	U	YES		····i								!i					! !
tert-Butylbenzene	4.27	***************	ug/Kg	υ	YES		i	· · · · · · · · · · · · · · · · · · ·							, 	·····i			·	/ 
Telrachioroethene	4.27		ug/Kg	υ	YES	 	·····	' ا	······································				! I		l	······i	ii		· · · · · · · · · · · · · · · · · · ·	:
Toluene	3.89		ug/Kg	J	YES							········!	! 		!	اا	۸۱			
trans-1,2-Dichloroethene	4.27		ug/Kg	U	YES	UJ	······	٠١	· · · · · · · · · · · · · · · · · · ·	UJ	i	<u>:</u> 			i	اا				i
Irans-1,3-Dichloropropene	4.27		ug/Kg	U	YES	· · · · · · · · · · · · · · · · · · ·	·····i	\ 	ا ا	: 		 I				1	i			 I
Irans-1,4-Dichloro-2-bulene	21.3	********	ug/Kg	U	YES				·		<u>\</u>	···i	/	·······!	:!. 		ا ا		` 	
Trichloroethene	4.27	·····	ug/Kg	U	YES	· · · · · · · !			·····/		ئا ا			! 		········!	····		'! 	
Trichlorofluoromethane	4.27		ug/Kg	U	YES		····-i	······	'ا ا	· · · · · · · · · · · · · · · · · · ·	! I					······!	······		·!	

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used:

CampCarroll

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 191 of 353

Client Sample ID : E11-126-S1 Sample Date : 07/14/2011 Lab Report Batch: 31101879

Analysis Type: RES

Lab ID : SGSW

Sample Matrix: SO

Lab Sample ID: 31101879004

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Quai*	Temp	нт	мв	LCS	MS	Łab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV CCV
Analysis Method : 8260B		***************************************			Ditutio	n: 1														
Vinyl chloride	4.27		ug/Kg	U	YES					1	į			1	1				1	
Analysis Method : 8270D					Dilutio	n: 1						*******	•						*******	**
1,2,4-Trichlorobenzene	338		ug/Kg	U	YES							i	1	į	!					I
1,2-Dichlorobonzene	338		ug/Kg	U	YES						i				1				1	1
1,3-Dichlorobenzene	338		ug/Kg	υ	YES				1		1		1	!	1				1	1
1,4-Dichlorobenzene	338		ug/Kg	υ	YES					1	7	1					1		1	1
2,4,5-Trichlorophenol	338		ug/Kg	υ	YES	Į						1	l		Ï :		1		1	1
2,4,6-Trichlorophenol	338		ug/Kg	U	YES				l			1	1	 						1
2,4-Dichlorophenol	338		ug/Kg	U	YES				1						i				 	1
2,4-Dimethylphenol	338		ug/Kg	U	YES				Í	1	1			 	1				1	1
2,4-Dinitrololuene	338		ug/Kg	U	YES		1		i	1	1		1		1				1	i
2,6-Dinitrotoluene	338		ug/Kg	υ	YES														 	
2-Chioronaphthalene	338		ug/Kg	U	YES	· · · · · · · · i	· · · · · · · · · · · · · · · · · · ·		1	1	j		1	1			i		1	i
2-Chlorophenol	338		ug/Kg	U	YES		1			l	1	1	1		1		1		i	ii
2-Methylnaphthalene	338		ug/Kg	U	YES	3						}	1						: 	1
2-Methylphenol	338		ug/Kg	U	YES								Ì		[				i	1
2-Nitroaniline	338		ug/Kg	U	YES						1				l 1		i		 İ	
2-Nitrophenol	338		ug/Kg	U	YES		Ì								1		i i		<u>'</u>	i
3 and/or 4-Melhylphenol	338		ug/Kg	U	YES							······			i		Ì		 	i
3-Nitroaniline	338		ид/Кд	U	YES ;						 [		i [		i				/ 	i
4-Bromophenyl phenyl ether	338		ug/Kg	U	YES		1				i	:	: 				············		 	i i
4-Chloro-3-methylphenol	338		ug/Kg	U	YES		Ì	1			i	í							l	
4-Chloroaniline	338		ug/Kg	υ	YES			 			; 		1						 [	i I I
4-Chlorophenyi phenyi ether	338	· · · · · · · · · · · · · · · · · · ·	ug/Kg	U	YES			 I			: 				i				: 	ii
4-Nitroaniline	338		ug/Kg	U	YES	i- 	1	· · · · · · · · · · · · · · · · · · ·			 }	: 	:				· 		' 	 
4-Nitrophenol	338		ug/Kg	υ	YES	i	<u>'</u> .	1					i		i. 		<u>'</u>		'	
Acenaphthene	338		ug/Kg	U	YES:			   	. ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ				:			<u>-</u>	··········		'	i   1

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Date: 9/6/2011 08:22

Page 192 of 353

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-126-S1

Lab Report Batch: 31101879

Lab ID : SGSW

Sample Date : 07/14/2011 Lab Sample ID: 31101879004 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	£ab Qual		Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Fleid QC	Tune	IC	ICV	CCV CCV
Analysis Method : 8270D					Dilutio	n: 1						*************								
Acenaphthylene	338		ug/Kg	U	YES :	(							1		1 1		1			]
Anthracene	338		ug/Kg	U	YES												1			
Benzo(a)anthracene	338		ug/Kg	U	YES		····		1			}	1	!	1				l	1
Benzo(a)pyrene	338		ug/Kg	U	YES	[	·····i	•••••	1					[	1 1					
Benzo(b)fluoranthene	338		ug/Kg	U	YES															1
Benzo(g,h,i)perylene	338		ug/Kg	U	YES									 						
Benzo(k)fluoranthene	338		ug/Kg	U	YES		1					 			İ					i
Bis(2-Chloroethoxy)methane	338	ĺ	ug/Kg	U	YES	1	1						` I						· · · · · · · · · · · · · · · · · · ·	:' 
Bis(2-Chloroethyl)ether	338		ug/Kg	U	YES	ĺ							i 		ii		! 			:' 
Bis(2-Chloroisopropyl)ether	338		ug/Kg	U	YES		1								i					
Bis(2-Ethylhexyl)phthalate	338		ug/Kg	U	YES	j									i		 			!!
Butyl benzyl phthalale	338		ug/Kg	υ	YES		·····i				········									
Chrysene	338		ug/Kg	U	YES				i i		······									·····i
Dibenz(a,h)anthracene	338		ug/Kg	U	YES			· · · · · · · · · · · · · · · · · · ·	1	 i					i		,			
Dibenzofuran	338		ug/Kg	U	YES					ا										···
Diethyl phthalate	338		ug/Kg	U	YES		· · · · · · · · ·	 			·····	j	· · · · · · · · · · · · · · · · · ·							
Dimethyl phthalate	338		ug/Kg	U	YES	i	1	· · · · · · · · · · · · · · · · · · ·	ì		······	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	`i					
Di-n-bulyl phthalate	338		ug/Kg	U	YES		1	1	Î		i	······					······			
Di-n-oclyl phlhalate	338		ug/Kg	U	YES			1	······	í		i					1	ا		
Fluoranlhene	338		ug/Kg	U	YES		Ï		·····	······································		i	i		····		······	را ا		!
Fluorene	338		ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·	ì		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	1				·	 		!
Hexachlorobenzene	338		ug/Kg	U	YES :		i.	ì	 I		 	······i	· · · · · · · · · · · · · · · · · · ·	! I	···········	t		 ا	!! 1	
Hexachtorobutadiene	338	1	ug/Kg	U	YES	1		··			1	i		· · · · · · · · · · · · · · · · · · ·		! 1		' ا	! 	l
Hexachlorocyclopentadiene	338		ug/Kg	υ	YES		1	1	·····	······		¦		! 	•••••	<u>-</u>		! 	! I	!
Hexachloroethane	338		ug/Kg	U	YES		···········				······	اا			·····i	1		' 	!	!
ndeno(1,2,3-cd)pyrene	338	·····	ug/Kg	U	YES	·····i	······!	 1	<u>.</u>			! 		······!		!			!	

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll

Report Date: 9/6/2011 08:22

ADR 8.2

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 193 of 353

Client Sample ID: E11-126-S1

Lab Report Batch: 31101879

Lab ID: SGSW

Sample Date: 07/14/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101879004

Reviewed By / Date :			Approved By / Date :																	
Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Fleid QC	Tune	ic	ıcv	CV/
Analysis Method : 8270D					Diluti	on: 1							· v· :	A					***************************************	
Isophorone	338		ug/Kg	U	YES	:			1	1	!	1	1		1		1 :			Ī
Naphthalene	338		ug/Kg	U	YES				1	<i>;</i>	: <i></i>		 	: 	!i		!   ;		: 	1
Nitrobenzene	338		ug/Kg	υ	YES					1			. i	; ;					i	: 
n-Nitrosodi-n-propylamine	338		ug/Kg	U	YES				ĺ	1		ļ	i	] 					1	: 
Penlachiorophenol	338		ug/Kg	U	YES				1	 		:	1	 			i		i	! 
Phenanthrene	338		ug/Kg	U	YES				 	 	••••	 !	i	 	! 		i		!	¦
Phenol	338		ug/Kg	υ	YES				`, [			: 	: 						i	! !
Pyrene	338		ug/Kg	U	YES	· · · · · · · · ·	1		` 	1		: 	: 		ii		!i		 I	: !

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

ADR 8.2

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 194 of 353

Client Sample ID : E11-126-S2 Sample Date: 07/14/2011

Lab Report Batch: 31101879

Analysis Type: RES

Lab ID: SGSW

Sample Matrix: SO

Lab Sample ID: 31101879005

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overal Qual*	∮ Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	ıc	ICV	CCV CCV	
Analysis Method : 6010C					Dilutie	on: 1												-,			
Arsenic	3.41		mg/kg		YES	J	1				-	J					1				
Barium	85.6		mg/kg		YES	J	1	]	1		[	j		1						1	
Cadmium	0.653		mg/kg		YES	ŲJ		]	U			J	1		1				i	i I	
Chromium	1.24		mg/kg		YES	U			U	l	]	İ	1		1				1	<del>:</del>	
Lead	8.83		mg/kg		YES	J	}	1	1	1	[	J		ļ	[				<u>-</u>	i	
Selenium	2.09		mg/kg	U	YES			}	1					[	}				: <b></b>	i I	
Silver	0.234		mg/kg	J	YES	ľ		l	U	]		{		ļ		• • • • • • •			<del>,</del>	ì	
Analysis Method : 7471B	***************************************				Dilutio	on: 1														·	
Mercury	0.0198	:	mg/kg	U	YES		1				1		1	1	l i				l		
Analysis Method : 8081					Dilutio	n:1															
4,4'-DDD	9.78		ug/Kg	U	YES		!		1								1				
4,4'-DDD	9.78		ug/Kg	υ	YES		<u> </u>					· · · · · · · · · · · · · · · · · · ·	1		i i				 	: <b>·</b>	
4,4'-DDE	9.78		uq/Ko	Ų	YES				1						i i				: 	· · · · · · · · · · · · · · · · · · ·	
4,4'-DDE	9.78		ug/Kg	U	YES		!		1								1				
4,4'-DDY	1.57		ug/Kg	JР	YES	U			U												
4,4'-DDT	1.57		ug/Kg	JP	YES	u	i		U						1		· · · · · · · ·				
Aldrin	9.78		ug/Kg	U	YES :																
Aldrin	9.78	:	ug/Kg	U	YES		i									: 	·				
alpha-BHC	9.78		ид/Кд	U	YES		1		· · · · · · · · · · · · · · · · · · ·							······					
alpha-BHC	9.78		ug/Kg	U	YES						••••		· · · · · · · · · · · · · · · · · · ·	i		· · · · · · · · · · · · · · · · · · ·	···				
alpha-Chlordane	9.78		ug/Kg	V	YES		ii						·i				<u>-</u>		! 		
alpha-Chlordane	9.78		ug/Kg	U	YES								·i		i						
beta-BHC	9.78		ug/Kg	U	YES			i			·····	!		!		! I	<del>-</del>			<b>-</b>	
beta-BHC	9.78		ug/Kg	U	YES				· · · · · · · · · · · · · · · · · · ·		·i		:	! 						••••••	
Chlordane	32.6		ug/Kg	U	YES			'۔۔۔۔۔۔ ا			نن ا			!! 	i. I	! !		ا ا			
Chlordane	32.6	<u>-</u>	ug/Kg	U	YES		·	'		·i	······		! !	···!				اا ا		•	
della-BHC	9.78		ug/Kg	·····	YES	•	!		! 		اــــا			!! !	!.			اا	1	!	
														- 1	4	- 1		1			

Project Number and Name:

ADR 8.2

11-032E - 11-032E Carroll Agent Orange

Library Used:

Report Date: 9/6/2011 08:22

CampCarroll

Page 195 of 353

<sup>\*</sup> Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-126-S2

Sample Date: 07/14/2011 Lab Sample ID: 31101879005 Lab Report Batch: 31101879

Analysis Type: RES

Lab ID: SGSW

Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	ic	icv	CCA CA1
Analysis Method : 8081					Dilutio	on: 1									*					
della-BHC	9.78		ug/Kg	U	YES					1			[		1				1	1
Dieldrin	9.78		ug/Kg	U	YES	j				1							}		j 	i I
Dietdrin	9.78		ug/Kg	U	YES	1					!					•••••			i 	
Endosulfan I	9.78		ug/Kg	U	YES					1										i
Endosullan I	9.78		ug/Kg	U	YES														1	i
Endosulfan II	9,78	i	ug/Kg	U	YES	}													 	i
Endosulfan II	9.78		ug/Kg	U	YES															: 
Endosulfan sulfate	9.78		ug/Kg	υ	YES		1											****	: 	
Endosulfan sulfate	9.78		ug/Kg	υ	YES															
Endrin	9.78		ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·													
Endrin	9.78		ug/Kg	U	YES	[	]													!
Endrin aldehyde	9.78		ug/Kg	υ	YES		1	1									· · · · · · · · · · · · · · · · · · ·			 
Endrin aldehyde	9.78		ug/Kg	U	YES :	·····	]		· · · · · · · · ·			i			1	·······i				· · · · · · · · · · · · · · · · · · ·
Endrin ketone	9.78	Ì	ug/Kg	υ	YES		Ĭ	1	1							· · · · · · · · ·				
Endrin kelone	9.78	;	ug/Kg	U	YES	;	· · · · · · · · · · · · · · · · · · ·	Ī							I					
gamma-BHC (Lindane)	9.78		ug/Kg	V	YES	}	·····		1			·····i				1			· · · · · · · · · · · · · · · · · · ·	
gamma-BHC (Lindane)	9.78		ug/Kg	U	YES			/	1	1		1		i	j	i	·····			
gamma-Chlordane	9.78		ug/Kg	U ;	YES		· · · · · · · · · · · · · · · · · · ·	1					4			1	ì			
gamma-Chlordane	9.78	1	ug/Kg	U	YES ;	1	1		]			Ì	i				i			
Heplachlor	9.78		ug/Kg	υ	YES		-		ĺ	1	i	ì		<i>.</i>	i		1		· · · · · · · · · · · · · · · · · · ·	
Heptachtor	9.78	;	ug/Kg	U :	YES :		1	Î	1		· · · · · · · · · · · · · · · · · · ·			i		1	····		·····	
Heptachlor epoxide	9.78	ì	ид/Кд	U	YES	(	1	1	1		}	i				1		i	i	
Heplachlor epoxide	9.78		ug/Kg	U	YES		Ī	ĺ	1					!	i- 	······	í	· · · · · · · · · · · · · · · · · · ·	: !	
Melhoxychlor	9.78	:	ug/Kg	U	YES		i		<u>}</u>	······································		·····i	i	······!	i	······:		·/	· · · · · · · · · · · · · · · · · · ·	
Methoxychior	9.78	i	ug/Kg	Ų	YES		1	Î			i	i		······ i			·····			
Toxaphene	32.6	1	ug/Kg	Ų	YES :	1	·····i	·····				· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	····i	i. I					

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used: CampCarroll Report Date: 9/6/2011 08:22

ADR 8.2

\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Page 196 of 353

Client Sample ID : E11-126-S2

Lab Report Batch: 31101879

Sample Date : 07/14/2011 Lab Sample ID: 31101879005 Analysis Type: RES

Lab ID : SGSW

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overa Qual	ll Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	ic	icv	CCA
Analysis Method : 8081					Dilutio	on: 1														
Toxaphene	32.6	:	ug/Kg	U	YES		ì			<u> </u>				i	1				1	ī
Analysis Method : 8151		*************		• • • • • • • • • • • • • • • • • • • •	Dilutio	n: 1					*******								<i></i>	
2,4,5-↑	0.0169		mg/kg	Ų	YES		1		i	l				!	1		1		[	
2,4,5-T	0.0169		mg/kg	U	YES		1		1				]	/ 	l				1	
2,4,5-TP (Silvex)	0.0169		mg/kg	U	YES	ยม				1	UJ		1		[		i		: 	] ]
2,4,5-TP (Silvex)	0.0169		mg/kg	Ų	YES	IJ	1 1			1	UJ		1	i	i i				: I	: 
2,4'-D	0.0169		mg/kg	U	YES	UJ			1		UJ	:	: 	: !	/i		i		<i>:</i> 	!
2,4'-D	0.0169	Ì	mg/kg	υ	YES	ΠJ	í I		<u> </u>	/ 	UJ	: 	: 	: 			i		<u></u>	:
2,4-D8	0.0169		mg/kg	U	YES		i I		í	 			i	: 	i		i		 	:
2,4-DB	0.0169		mg/kg	U	YES							:	: 	/ 	 		:		; I	i
Dicamba	0.0169		mg/kg	υ	YES		į					: 	! 	/ }	i		! !		! 	: 
Dicamba	0.0169	1	mg/kg	U	YES							:	 	 			!		/ ]	: 
Analysis Method : 8260B					Dilutio	n: 1							1		!!					!
1,1,1,2-Tetrachioroethane	4.05	:	ug/Kg	U	YES :				i								1		1	
1,1,1-Trichloroelhane	4.05	1	ug/Kg	V	YES		1													
1,1,2,2-Tetrachloroethane	4.05	1	ug/Kg	U	YES :		1								1		· · · · · · · ·			
1,1,2-Trichloroethane	4.05	:	ug/Kg	U	YES	•••••	i i				· · · · · · · · · · · · · · · · ·						}			
1,1-Dichloroethane	4.05		ug/Kg	U	YES	IJ	1	· · · · · · · · · · · · · · · · · · ·	·i	UJ							·			
1,1-Dichloroethene	4.05	:	ug/Kg	u	YES		i I	·i	; i						· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·				
1,1-Dichloropropene	4.05		ug/Kg	U	YES :		i	·i	· · · · · · · · · · · · · · · · · · ·						1	···i	······			
1,2,3-Trichlorobenzene	4.05		ug/Kg	U	YES		ii	i	······				· · · · · . · . · i	·······	i-					
1,2,3-Trichloropropane	4.05		ug/Kg	U	YES		]	1					 	!			······			
1,2,4-Trichlorobenzene	4.05		ug/Kg	U	YES		: <u>:</u>	i			·i			<u>:</u> ۔۔۔۔۔۔ا		!! 	·····		! !	
1,2,4-Trimethylbenzene	4.05	·····	ug/Kg	U	YES		:!- 	<del></del>			1	!	ال	<u>'</u> 1				!	<u>!</u>	
i,2-Dibromo-3-chtoropropane	24.3		ug/Kg	U	YES		i			· · · · · · · · · · · · · · · · · · ·	·\ 			<u>!</u>		1	 ا	!	!	!
,2-Dibromoelhane	4.05		ug/Kg	υ	YES		i	····-:	<u>'</u> .	······	 ا			······!	••••••!- 	<u>'</u>		اا ا	!	
,2-Dichlorobenzene	4.05		ug/Kg	· · · · · ·	YES				1					اا				اا		

Project Number and Name:

11-032E - 11-032E Carroll Agent Orange

Library Used:

CampCarroll

Page 197 of 353

ADR 8.2 Report Date: 9/6/2011 08:22
\* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review