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Client Sample ID : E11-150-S2 Sample Date : 07/18/2011

Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

Lab Sample ID: 31101915017

Reviewed By / Date :			•••••				чрр	lovet	г Бу /	Date :		•••••	•••••				· · · · · · · ·			
Analyle Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overal Quał*	l Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tat/Dis	Field OC	Тиле	fC	ICV.	CV /
Analysis Method : 8270D			\		Dilutio	on: 1						•••••	····							
Isophorone	334		ид/Кд	U	YES		1		1	1	ł		 		1		f			 J
Naphthalene	334		ug/Kg	U	YES				·		! [!	 [ŧ	!, :	<u>.</u>	1
Nitrobenzene	334	•••••	ug/Kg	υ	YES		1 1		!	/		! (!	{ 	!	!
n-Nitrosodi-n-propylamine	334		uo/Ko	i	YES				!	; 	<i></i>	! !		• • • • • • • • • •	[] 		!		:	
Pentachlorophenol	334		ug/Kg		YES	LIJ	!!			່				•••••			 		<u> </u>	<u> </u>
Phenanthrene	334		uo/Ko	i U	YES		!!								<u> </u> [••••••			[]	ļ. .
Phenol	334		ug/Kg	i U	YES		! !	••••••						•••••••						ļ
Рутеле	334		ua/Ko		YES			!	,				<u>!</u>						ļļ	<u> </u>

Project Number and Name:	11-032E - 11-032E Carroll Agent Orange	Library Used:	CampCarroll	
ADR 8.2		Report Date: 9/6/2011 10:38		Page 1
 Overall result qualifier reflects summ 	nation of qualifiers added during automated data review and any qualifiers	added manually for categories not assessed by automated dat	a review	-

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Client Sample ID : E11-150-S3

Sample Date : 07/18/2011

Lab Sample ID: 31101915018

Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

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	CV CC
Analysis Method : 6010C			//		Diluti	ดก: 1														
Arsenic	3.22		mg/kg		YES					1									1	1
Barium	48.3		mg/kg		YES		1									•••••			1	
Cadmium	0.551		mg/kg		YES	U			U	[••••••							1	1
Chromium	10.3		mg/kg		YES										1				1	1
Lead	9.41		mg/kg		YES		1										1			÷
Selenium	1.93		mg/kg	U	YES					· · · · · · · · · · ·					····-i		:' i		/ 	1
Silver	0.964		mg/kg	U	YES														1	1
Analysis Method : 7471B					Dilutio	on: 1										•••••	.			1
Mercury	0.00247		mg/kg	J	YES			1			j				i		I i		1	1
Analysis Method : 8081					Dilutio	on: 1										••••	• :		<i></i>	1
4,4'-DDD	1.23		ug/Kg	J	YES	J			1				J		}					I
i,4'-DDD	1.23		ug/Kg	J	YES	J	1						J							:
4,4'-DDE	10.7	1	ug/Kg	υ	YES	IJ							UJ	 	••••••••••••••••••••••••••••••••••••••	•••••••		••••••	' 	1
1,4'-DDE	10.7		ug/Kg	U	YES	UJ						· · · · · · · · · · · · · · · · · · ·	UJ	······	i	· · · · · · · · · · ·	········	·		!
1,4'-DDT	10.7	1	ug/Kg	U	YES	μĴ	1	 			i 	••••••••• 	UJ	i	i. 				 	1
I,4'-DDT	10.7		ug/Kg	υ	YES	IJJ		1	1		· · · · · · · · · · · · · · · · · · ·	······	UJ	·i	·····		·			1
Aldrin	10.7		ug/Kg	U	YES	IJJ			i I	·····	·····	 	ียม	!			·····	؛؛ ا	! 	!
Ndrin	10.7		ug/Kg	U	YES	UJ	1		······		·!	······	UJ	 	·' 			! 	`********* 	
ipha-BHC	10.7	Ì	ug/Kg	U	YES	IJJ			·····	· · · · · · · · · · · · · · · · · · ·	·····	¦	UJ	·i	·····!·		 1	! [···!	1 1
llpha-BHC	10.7	·····	ug/Kg	U	YES	UJ	· · · · · · · · · · · · · · · · · · ·		·····!	·····	······		UJ	·!				! ا		! !
lpha-Chlordane	10.7		ug/Kg	U	YES	UJ	·····		·····/		·;	!	UJ]	i	i-	!	<u>بل</u> د	<u>ا</u>		 1
Ipha-Chlordane	10.7		ug/Kg	U	YES	ົ້ນ			·····	·/	·····.		UJ		 1	 	<u>ب</u>	۔۔۔۔۔ ا		
eta-BHC	10.7	·····	ид/Кд	<u> </u>	YES	IJ	······································	 1	······	i	·	· · · · · · · · · · · · · · · · · · ·	ີ ເມ		······			! 1		
eta-BHC	10.7	·····	ug/Kg	U i	YES	LU	······	¦	·······	·!		· · · · · · · · ·	UJ			!!	<u>-</u>			(- • I
hlordane	35.5	·····	ug/Kg	U	YES	UJ	·····¦.			· } 	·····	·!	UJ	!-	·····	·····!	······	ןו ו		
hlordane	35.5	·····	ug/Kg	U I	YES	UJ	••••••••••••••••••••••••••••••••••••••	·····	¦.		·	·····		·····¦	·····!.	······¦	·····	l		:
elta-BHC	10.7	**	ug/Kg		YES	UJ	i	<u>/</u>			<u>!</u>		UJ	<u></u>	l.	!	·····		···	
		i 	aa.;	- i			1	+		<i>.</i> .		i				t			!	

* 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 : E11-150-S3 Sample Date : 07/18/2011 Lab Report Batch : 31101915

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Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

Lab Sample ID: 31101915018 Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overali Quai*		нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	icv	CV / CCV
Analysis Method : 8081					Dilutio	an: 1														
delta-BHC	10.7		ug/Kg	U	YES	UJ							UJ	1					1	1
Dieldrin	10.7		ug/Kg	U	YES	IJ	ĺ					{	[UJ	/····	1					1
Dieldrin	10.7		ug/Kg	U	YES	UJ							UJ		1		·i			1
Endosullan I	10.7		ug/Kg	U	YES	UJ							UJ						1	1
Endosullan I	10,7		ug/Kg	υ	YES	UJ	Ī	i					UJ		1)			1
Endosulfan II	10.7		ug/Kg	U	YES	UJ							UJ		1					 [
Endosulían II	10.7		ug/Kg	υ	YES	UJ							UJ		1	i			[1
Endosulfan sulfale	10.7		ug/Kg	υ	YES	UJ	1						UJ							1
Endosulfan sulfate	10.7		ug/Kg	U	YES	UJ	1						UJ				······			1
Endrin	10.7		ug/Kg	U	YES	IJ							UJ							1
Endrin	10.7		ug/Kg	U	YES	UJ	1						ບມ	•••••						1
Endrin aldehyde	10.7		ug/Kg	U	YES	UJ		1					UJ			······				:
Endrin aldehyde	10.7	1	ug/Kg	U	YES	UJ]					UJ			i				:
Endrin ketone	10.7		ug/Kg	U	YES	UJ	ĺ	1					UJ			i	 			i
Endrin kelone	10.7	1	ug/Kg	U	YES	UJ						······	UJ (·····i	······	······	·····		
gamma-BHC (Lindane)	10.7		ug/Kg	U	YES	UJ	1						IJ	······			·····	······	<i></i>	:
amma-BHC (Lindane)	10.7		ug/Kg	U	YES	IJJ			·····		1	·····	UJ		· · · · · · · · · · · · · · · · · · ·	1	····· À			1
gamma-Chlordane	10.7		ug/Kg	U	YES	UJ		1		·····	1	i	UJ			ì	···· · ····	· · · · · · · · · · · · · · · · · · ·		
gamma-Chlordane	10.7		ug/Kg	U	YES	UJ	· · · · · · · · · · · · · · · · · · ·			1	·····	··· ··· · · · · · · · · · · · · · · ·	UJ			·····	 	······		
leptachlor	10.7		ug/Kg	U	YES	UJ		1			1	 1	UJ			i	······			: 1
leptachlor	10.7		ug/Kg	V	YES	IJJ	í.	· · · · · · · · · · · · · · · · · · ·		 	1	····· ``	UJ]		•••••••••	·····	·····	' 		
teptachlor epoxide	10.7		ug/Kg	U]	YES	UJ (1		1		Ì	UJ	·····		·····i	·····		····· · · · · · · · · · · · · · · · ·	
leptachlor epoxide	10.7		ug/Kg	U	YES	IJ		···· · · · · · · · · · · · · · · · · ·	···· ·		· · · · · · ·	 1	UJ			·····	·····	·····i	·····'	
lethoxychlor	10.7		ug/Kg	U	YES	UJ	·····	····		 	·····	i	UJ]	i	•••••		·····	'' 	!! 	
fethoxychior	10.7		ug/Kg	υ	YES	UJ	· · · · · · · · · ·	ii	1		 	·····	UJ	·····!		·····	· · · · · · · · · · · · · · · · · · ·	· ····· ·		
охарһеле	35.5	·····	ug/Kg	บ	YES	UJ	· · · · · · · ·	÷	·····		······			·····	!-					

 Project Number and Name:
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* 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 : E11-150-S3

Sample Date : 07/18/2011

Lab Sample ID: 31101915018

Lab Report Batch : 31101915 Analysis Type: RES Lab ID : SGSW Sample Matrix : SO

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Reviewed By / Date :

Approved By / Date :

Analysis Method : 8081 Toxaphene	35.5 0.0177 0.0177 0.0177 0.0177 0.0177 0.0177 0.0177 0.0177	······	ug/Kg mg/kg mg/kg mg/kg mg/kg mg/kg	บ บ บ บ บ	Dilutio YES Dilutio YES YES	IJ						I	[ເມ	I	I !		1	 <u>.</u>]
Analysis Method : 8151 2,4,5-T 2,4,5-T 2,4,5-T 2,4,5-T 2,4,5-T (Silvex) 2,4,5-T 2,4-D 2,4,5-T 2,4-DB 2,4-DB	0.0177 0.0177 0.0177 0.0177 0.0177 0.0177 0.0177 0.0177	······	mg/kg mg/kg mg/kg mg/kg	U U U	Dilutio YES YES							l	[ເມ				l)	 <u> </u>	<u> </u>
2,4,5-T 2,4,5-T 2,4,5-TP (Silvex) 2,4,5-TP (Silvex) 2,4,5-TP (Silvex) 2,4-D 2,4-D 2,4-D 2,4-D 2,4-DB	0.0177 0.0177 0.0177 0.0177 0.0177 0.0177		mg/kg mg/kg mg/kg	U U	YES YES	on: 1	1											 	
2.4,5-T 2.4,5-TP (Silvex) 2.4,5-TP (Silvex) 2.4-D 2.4-D 2.4-D 2.4-D 2.4-DB 2.4-DB	0.0177 0.0177 0.0177 0.0177 0.0177 0.0177		mg/kg mg/kg mg/kg	U U	YES		!												
2.4.5-TP (Silvex) 2.4.5-TP (Silvex) 2.4-D 2.4-D 2.4-D 2.4-D 2.4-D 2.4-D8 2.4-DB	0.0177 0.0177 0.0177 0.0177 0.0177		mg/kg mg/kg	U	()		/			I				ł				ł	1
2.4.5-TP (Silvex) 2.4-D 2.4-D 2.4-D 2.4-DB 2.4-DB	0.0177 0.0177 0.0177 0.0177		mg/kg		YES							l							1
14-D	0.0177 0.0177 0.0177			U		IJJ				1	UJ				1			1	1
24-0 24-08 24-08	0.0177 0.0177		ma/ka	~	YES	UJ				ſ	υJ	1						 1	1
2,4-DB 2,4-DB	0.0177	Ì		U	YES	UJ	1				UJ				I I			 	1
2,4-DB			mg/kg	υ	YES	LU	1				ΟJ							 	[
······	0.0177		mg/kg	U	YES				1									 	1
• • • • • • • • • • • • • • • • • • • •	0.0177 ;		mg/kg	U	YES		1		1	i								 	1
Dicamba	0.0177		mg/kg	U	YES			1		1								 1	1
Dicamba	0.0177		mg/kg	υ	YES		1											 1	1
Analysis Method : 8260B					Dilutic	n: 1												 	
1,1,1,2-Tetrachloroelhane	4.50	į	ug/Kg	U	YES		1						1				1	1	1
,1,1+Trichloroelhane	4.50	1	ug/Kg	υ	YES		1	I	1		1		ļ			l		 	
,1,2,2-Tetrachioroethane	4.60	į	ug/Ky	U	YES				1				1	I				 	
.1.2-Trichloroethane	4.50	Ì	ug/Kg	υ	YES				1	1								 	
,1-Dichloroethane	4.50	1	ug/Kg	υ	YES			1		1		1			1			 	1
,1-Dichloroethene	4.50	1	ug/Kg	U	YES			1			1	1			1	1	1	 	
1-Dichtoropropene	4.50	1	ug/Kg	U (YES				1		1					1	1	 	
,2,3-Trichlorobenzene	4.50		ug/Kg	U	YES		Í		1				}					 1	}
2,3-Trichloropropane	4.50	1	ug/Kg	Ų	YES			1	1	1		1	ł					 	1
,2,4-Trichlorobenzene	4.50		ug/Kg	V	YES	LU		1			UJ [1	ţ		1	 	1
,2,4-Trimethylbenzene	4.50	;	ug/Kg	U	YES	UJ	1		1		UJ			1			1	 	
2-Dibromo-3-chloropropane	27,0	1	ug/Kg	U	YES		1		I				1			1	}	 	
2-Dibromoethane	4.50		ug/Kg	υį	YES			1		1	 		1			1		 	
2-Dichlorobenzene	4.50		ug/Kg	v	YES			Î		1	ĺ	1						 	
		Carroli Agent									Libi				Carroll			 	

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Client Sample ID : E11-150-S3

Sample Date : 07/18/2011 Lab Sample ID: 31101915018 Lab Report Batch : 31101915 Analysis Type: RES Lab ID : SGSW Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quat		Overail Qual*	Тетр	HT	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8260B					Dilutie	on: 1								******						
1,2-Dichloroethane	4.50		ug/Kg	U	YES	í						1		1	1				1	1
1,2-Dichloropropane	4.50		ug/Kg	U į	YES							1					l i			1
1,3,5-Trimethylbenzene	4.50		ug/Kg	U	YES		1								1					1
1,3-Dichlorobenzene	4.50		ug/Kg	υ	YES										I				[[
1,3-Dichloropropane	4.50		ug/Kg	U	YES							1		1						1
1.4-Dichlorobenzene	4.50		ug/Kg	U	YES												i			1
2,2-Dichloropropane	4.50		ug/Kg	U	YES									(
2-Butanone	3.73		ug/Kg	J	YES	J	l				J		J							1
2-Chlorotoluene	4.50		ug/Kg	U	YES				1	}										
2-Hexanone	11.3		ug/Kg	U	YES	1											-			1
4-Chioroloiuene	4,50		ug/Kg	υ	YES		1								1					
4-isopropyltoluene	4.50		ug/Kg	U	YES			١	1	1										1
4-Methyl-2-pentanone	11.3		ug/Kg	U	YES		1						}				1			1
Acetone	33.4		ug/Kg	J	YES	J	I			J	1		J			1	1			1
Benzene	4.50		ug/Kg	U	YES				1	1	1									
Bromobenzene	4.50		ug/Kg	U	YES		1	1					1							1
Bromochloromethane	4.50		ug/Kg	U	YES		1	1	1			1	1				1			1
Bromodichloromethane	4.50		ид/Кд	U	YES		1					l	ĺ]	1	1	1			1
Bromöform	4.50	-	ug/Kg	U	YES	!			1	{	1	1								1
Bromomethane	4.50	1	ug/Kg	U	YES		1		1		1		į]				1
Carbon disulíde	4.50		ug/Kg	U	YES		1	1	1			1	į		1	1	1			1
Carbon tetrachloride	4.50		ug/Kg	U	YES	1	I	1	1	1		1	Ì	1	1	1	1		1	1
Chlorobenzene	4.50		ug/Kg	U	YES	}	1	I	. 1	{	!			1						
Chloroethane	4.50		ug/Kg	υį	YES]			1	1	1							
Chloroform	4.50		ug/Kg	υ	YES			1	1	1		1	1		· · · · · · · · · · · · · · · · · · ·	1			1	1
Chloromelhane	4.50		ug/Kg	υį	YES	1	· · · · · · · · · · · · · · · · · · ·		1		····· `	Ì		1						

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 Carroll Agent Orange
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Client Sample ID : E11-150-S3

Sample Date : 07/18/2011

Lab Sample ID: 31101915018

Analysis Type: RES

Lab Report Batch : 31101915

Lab ID : SGSW Sample Matrix : SO

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Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overali Qual*	Тетр	нт	МВ	LCS	MS	Lab Dup	Surr		Moist Tot/Dis		Tune	IC	ICV	CV / CCV
Analysis Method : 8260B					Diluti	on: 1			•••••									********		
cis-1,2-Dichloroethene	4.50		ug/Kg	U	YES	;		:				1		ļ	1		1		[
cis-1,3-Dichloropropene	4.50		ug/Kg	U	YES						1			(1	1
Dibromochloromethane	4.50		ug/Kg	IJ	YES	:													1	1
Dibromomethane	4.50		ug/Kg	Ų	YES														1	1
Dichlorodifluoromethane	4.50		ид/Кд	U	YES						1	;	1						 [1
Ethyl Benzene	4.50		ug/Kg	U	YES		1						1				1		1	
Hexachlorobutadiene	4.50		ug/Kg	U	YES	υJ					UJ									
isopropylbenzene (Cumene)	4.50		ug/Kg	V	YES								: 		1	•••••			: 	¦
m,µ-Xyiene	9.01		⊔g/Kg	U	YES						;	{	1			••••••			: 	:
Methyl iodide	1.98		ug/Kg	J	YES	J	ĺ						J			••••••		•••••		<u>.</u>
Melhylene chloride	1.58		ug/Kg	J	YES	UJ			U				J			•••••				!
Naphihatene	4.50		ug/Kg	υ	YES	IJJ		1			UJ									i
n-Butylbenzene	4.50		ug/Kg	ป	YES	UJ	1				UJ								 	!
n-Propylbenzene	4.50	1	ug/Kg	U	YES															:
o-Xylene	4.50	1	ug/Kg	U	YES			1						1						:
sec-Buńyibenzene	4.50		ug/Kg	U	YES		1	1												<u>.</u>
Styrene	4.50	1	ug/Kg	U	YES	UJ J			1		UJ									
ert-Butyl melhyl ether (MT8E)	4.50	1	ug/Kg	U	YES	}		·····	1						}					
ert-Bulylbenzene	4.50	1	ug/Kg	U	YES			1		 			}		•••••					•••••
Fetrachloroethene	4.50		ug/Kg	U	YES				···· · · · · · · · · · · · · · · · · ·		1									
foluene	0.738		ug/Kg	J	YES	J	·····				i I		J							
rans-1,2-Dichloroelhene	4.50		ug/Kg	U	YES		1	1	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · ·						· · · · · · · · · · · · · · · · · · ·	 			
rans-1,3-Dichloropropene	4.50		ug/Kg	U	YES		·····	1	· · · · · · · · · · · · · · · · · · ·	i i i i i i i I										
rans-1,4-Dichloro-2-butene	22.5		ug/Kg	U	YES		i	<u>ن</u>	······		i	·····i		·····	i	······	······	·····		
[richloroethene	4.50		ug/Kg	U	YES		·····/ ·	in ni I	·····		·········· 	·····			1	· · · · · · · · · · · · · · · · · · ·	••••••••••••••••••••••••••••••••••••••			
richlorofiuoromethane	4.50	·····	ug/Kg	υİ	YES	IJJ		·····	· · · · · · · · · · · · · · · · · · ·		UJ I	 I		• • • • • • • • • • • • • • • • • • •		·····	······			

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange Library Used: CampCarroll ADR 8.2 Report Date: 9/6/2011 10:38



Client Sample ID : E11-150-S3

Sample Date : 07/18/2011 Lab Sample ID: 31101915018

Analysis Type: RES

Lab Report Batch : 31101915

Lab ID : SGSW Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	l Result	Incertainty / Error	Result Units	Lab Qual	Rep Res	Overali Qual*	Тетр	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV (CCV
Analysis Method : 8260B					Diluti	on: 1						••••								
Vinyl chloride	4.50		ug/Kg	Ų	YES	-	1			1	1								1	1
Analysis Method : 8270D					Dilutio	on: 1						•••••••								
1,2,4-Trichlorobenzene	350		ug/Kg	υ	YES						1	ţ	1	ļ					1	1
1,2-Dichlorobenzene	350		ug/Kg	U	YES												1		Į	Î
1,3-Dichlorobenzene	350	Ì	ug/Kg	U	YES							4	1		1		í			1
1,4-Dichlorobenzene	350		ug/Kg	Ų	YES						1	}							1	1
2,4,5 Trichlorophenol	350		ug/Kg	υ	YES								1) 	1				1	1
2,4,6-Trichlorophenol	350		ug/Kg	U	YES								••••••••••••••••••••••••••••••••••••••			·i	······································) 	1
2,4 Dichlorophonol	350		ug/Kg	U	YES								1		1				·	. <u>.</u>
2,4-Dimethylphenol	350		ug/Kg	U	YES			•••••	·····				1		1 1	···· ····	ана а. 		1	1
2,4-Dinitrololuene	350		ug/Kg	U	YES								••••••	, 			······		! 	1
2,6-Dinitrotoluene	350		ug/Kg	U	YES							· · · · · · · · · · · ·	·						! 	!
2-Chloronaphlhalene	350		ug/Kg	U	YES								••••••••••••••••••••••••••••••••••••••	/ 		l	 	• • • • • • • •	1	1
2-Chlorophenol	350	1	ug/Kg	U	YES					· · · · · · · · · · · · · · · · · · ·			••••• 	••••••		······	i		/ 	1
2-Melhyinaphthaleле	350	1	ug/Kg	υ	YES			·	1				· · · · · · · · · · · · · · · · · · ·			،، ا	: 			1
2-Mathylphanol	350		ug/Kg	u	YES		1		i							1	 ا	•••••	/	1
2·Nitroaniline	350	Ì	ug/Kg	U	YES						······					·····	 ا	• • • • • • • • •		1
2-Nitrophenol	350	Ĭ	ug/Kg	U	YES	1			1		·····								: 	1
3 and/or 4-Methylphenol	350		ug/Kg	U	YES		1	Ì	·····	······						······	····÷		: 	:
3-Nitroaniline	350		ug/Kg	υį	YES				·····	·····	 					 I	·····			1
l-Bromophenyl phenyl ether	350		ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·	······	·····	····· /	···i			·i		·····	·!		! 	!
-Chloro-3-methylphenol	350		ug/Kg	U	YES	 	1		 		· • • • • • • • • • • • • • • • • • • •				·····	·····	·····		!	:
-Chloroaniline	350		ug/Kg	U	YES			··`	······	·····		······				i				1
-Chlorophenyl phenyl ether	350		ug/Kg	U	YES				······	••••••	······	i	······	· · · · · · · · · · · · · · ·	·	·····	·····			1
Nitroaniline	350	·····?	ug/Kg	U	YES			1	·····	î 			'۔۔۔۔، ا							!
Nitrophenol	350		ug/Kg	U	YES			 1	i	i 	·i		!	·····'	¦- 	······	······			
cenaphihene	350	ļ	ug/Kg	v	YES			 	·····/-	1			·····'							¦
oject Number and Name: 11-032	E - 11-032E C	arroll Agent	Orange								Libi	ary Us	ed:	CampC	arroll					
DR 8.2		-							Ren	ort Date		•		, .				Page	112 of	F 107

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

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Client Sample ID : E11-150-S3

Sample Date : 07/18/2011 Lab Sample ID: 31101915018 Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

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Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Quai*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Molst Tot/Dis		Типе	IC	ICV	CV/ CCV
Analysis Method : 8270D					Diluti							pap					- ane			
Acenaphthylene	350		ug/Kg	U	YES					1	1		1	1	l i		1	1	1	1
Anthracene	350		ug/Kg	U	YES					1	: }		· · · · · · · · · · · · · · · · · · ·		1	••••••	<u>.</u>	•••• <i>••</i>		
Benzo(a)anlhracene	350		ug/Kg	U	YES					//////////////////////////////////////			1		1		: 		1	1
Benzo(a)pyrene	350		ug/Kg	U	YES					1			1					 		1
Benzo(b)fluoranthene	350		ug/Kg	ų	YES					1	Į								1	1
Benzo(g,h,i)perylene	350		ug/Kg	υ	YES]		1		1				1	1
Benzo(k)fluoranthene	350		ug/Kg	ប	YES						}				1				1	1
Bis(2-Chloroethoxy)methane	350		ug/Kg	U	YES			·····'	•••••	/			: 							1
Bis(2-Chloroethyl)ether	350		ug/Kg	U	YES			·····	•••••			•••••		••••					: 	1
Bis(2-Chloroisopropy)ether	350		ug/Kg	U	YES							• • • • • • • • • •					·/		 	1
Bis(2-Ethylhexyl)phthalate	350		ug/Kg	U	YES			······ 				••••	:	• • • • • • • • • • •					4	:
Butyl benzyl phthalate	350		ug/Kg	U	YES								1			·				:
Chrysene	350		ug/Kg	U	YES) 	1
Dibenz(a,h)anthracene	350	Ì	ug/Kg	U	YES														[
Dibenzofuran	350		ug/Kg	υ	YES	1		······								i			1	
Diethyl phlhalale	350		ug/Kg	U	YES			1												:
Dimethyl phthalate	350		ug/Kg	U	YES			1											1	
Di-n-butyl phthalale	350		ug/Kg	U	YES			Ì					· · · · · · · · · · · · · · · · · · ·							
Di-n-octyl phthalate	350		ug/Kg	υ	YES		 		· · · · · · · · · · · · · · · · · · ·											 I
Fluoranthene	350		ug/Kg	ម	YES			 1			·····					······	 1		1	
Fluorene	350		ug/Kg	U	YES		i		· · · · · · · · · · · · · · · · · · ·	······										:
rexachlorobenzene	350		ug/Kg	U	YES		1			· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·	·····	······			1	
lexachlorobuladiene	350		ug/Kg	U	YES			·····	······			 				· · · · · · · · · · · · · · · · · · ·	1			
1exachlorocyclopenladiene	350		ug/Kg	U	YES	·····í			······	······	·•	؛ ۱				·····i			 	
-lexachioroethane	350		ug/Kg	U	YES			1	·····/			· · · · · · · · · · · · · · · · · · ·	1		······	i				
ndeno(1,2,3-cd)pyrene	350		ug/Kg	U	YES	·····;			·····'	· · · · · · · · · · · · · · · · · · ·	1	,	· · · · · · · · · · · · · · · · · · ·			·····i				

Project Number and Name: 11-032E · 11-032E Carroll Agent Orange Library Used: CampCarroll ADR 8.2 Report Date: 9/6/2011 10:38 Page 113 of 182



Client Sample ID : E11-150-S3 Sample Date :07/18/2011 Lab Sample ID:31101915018

Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

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 ToUDis	Field QC	Типе	IC	ICV	CV / CCV
Analysis Method : 8270D					Diluti	on: 1	. / . /													
Isophorone	350		ug/Kg	U	YES	1	1	1	1	1	-	1			1		[-	1	
Naphthalene	350		ug/Kg	U	YES				1	1		}	.						1	1
Nitrobenzene	350		ug/Kg	υ	YES									1]		1	1
n-Nitrosodi-n-propylamine	350		ug/Kg	U	YES					1					1			{	1	l
Penlachlorophenol	350		ag/Kg	Ų	YES	UJ	1		1	UJ	1	1			1			}		1
Phenanlhrene	350		ug/Kg	U	YES						[]			1				1	
Phenol	350		ug/Kg	U	YES				 			 		·			: 		1	
Pyrene	350		ug/Ko	U	YES				 	//	····	 I	1 1		[]		: 	 	1	1

Project Number and Name:	11-032E - 11-032E Carroli Agent Orange	Library Used:	CampCarroll		
ADR 8.2		Report Date: 9/6/2011 10:38			Page 114 of 182
* Overall result qualifier reflects summ	ation of qualifiers added during automated data review and any qualifiers added man	wally for categories not assessed by automated data	review	,	



Client Sample ID : E11-150-S4 Sample Date : 07/18/2011

Lab Sample ID: 31101915021

Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Quai*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV CCI
Analysis Method : 6010C					Diluti	on: 1														
Arsenic	2.23		mg/kg		YES						<u>}</u>								<u> </u>	
Barium	49.2		mg/kg		YES	J		<u> </u>			J	1								
Cadmium	0.605		mg/kg		YES	U			υ			1			(1	1
Chromium	4,08		mg/kg		YES			l			1		1						1	1
Lead	4.81		mg/kg		YES	L					J	J	l				1		1	1
Selenium	2.20		mg/kg	ប	YES					1		{					1		1	1
Silver	1.10		mg/kg	U	YES]	:						1	1
Analysis Method : 7471B					Dilutio	on: 1														
Mercury	0.00566		mg/kg	J	YES								1		l I					
Analysis Method : 8081					Dilutio	on: 1														
1,4'-DDD	10.8		ug/Kg	U	YES														1	1
1,4'-DDD	10.8		ug/Kg	U	YES												}			1
I,4'-DDE	10.8	ļ	ug/Kg	υ	YES	Í							(Í				1	[
I,4'-DDE	10.8		ug/Kg	U	YES		1												1	1
I,4'-DDT	10.8		ug/Kg	υ	YES			1			1				1					1
I,4-DDT	10.8		ug/Kg	υ	YES										1					1
Aldrin	10.8		ug/Kg	U	YES	1											1			1
Aldrin:	10.8		ug/Kg	U	YES		1			1										1
lpha-BHC	10.8	;	ug/Kg	υ	YES			1			1									1
Ipha-BHC	10.8	į	ug/Kg	U	YES							1							1	1
lpha-Chlordane	10.8		ug/Kg	U	YES ;	1							1				ļ			1
lpha-Chlordane	10.8		ug/Kg	V	YES				1				1					• • • • • •		1
eta-BHC	10.8	·····	ug/Kg	U	YES		1		1	}	1						1			[
eta-BHC	10.8		ug/Kg	U	YES	 	ĺ	1			}			1						
hlordane	36.0	·····	ug/Kg	U	YES	Ì	······		î	1	······	1	i				 			1
hlordane	36.0		ug/Kg	U	YES		·····i	i	·····		······ 			i						
eita-BHC	10.8		ug/Kg	U	YES	••••••••		 ا	·····'		i				· • • • • • • • • • • • • • • • • • • •		·····			:



Client Sample ID : E11-150-S4

Sample Date : 07/18/2011 Lab Sample ID: 31101915021 Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overati Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	ю	1CV	CV/
Analysis Method : 8081					Diluti	on: 1					/									
della-BHC	10.8		ug/Kg	U	YES					ł		[***************	1		1		1	1
Dieldrin	10.8		ug/Kg	U	YES		[}								1	1
Dieldrin	10,8		ug/Kg	U	YES						}	1								
Endosulfan i	10.8		ug/Kg	ប	YES										1				1	1
Endosulfan I	10.8		ug/Kg	U	YES										ł		1		1	1
Endosulfan #	10.8		ug/Kg	U	YES														 I	
Endosulfan II	10.8		ug/Kg	υ	YES														/)
Endosulfan sulfate	10.8		ug/Kg	ប	YES			1							:: 				(I
Endosulfan sulfale	10.8		ug/Kg	U	YES				······											:
Endrín	10.8		ug/Kg	U	YES															[[
Endrin	10.8		ug/Kg	U	YES			1												
Endrin aldehyde	10.8		ug/Kg	U	YES]	 							·····	•••••				!
Endrin aldehyde	10.8		ug/Kg	υ	YES				1	1		 			·i	·····				
Endrin ketone	10.8		ug/Kg	U	YES			1	1			······	······		·····					
Endrin ketone	10.8		ug/Kg	U	YES				·····	······	······	i		i	·····			•••••		••••
gamma-BHC (Lindane)	10.8		ug/Kg	U	YES		1		1	1	······	·	·i			 				
amma-BHC (Lindane)	10.8		ug/Kg	U	YES			······		1		i	· · · · · · · · · /	···· ··· ·		···· ····				
amma-Chlordane	10,8		ug/Kg	U	YES		····· /		i i i i i i i i i i i i i i i i i i i			·····	····· /	·····/	· · · · · · · · · · · · · · · · · · ·		Ì			
amma-Chiordane	10.8	1	ug/Kg	U	YES			 	i	·····	 		· · · · · · · · · · · · · · · · · · ·		····/·	· · · · · · · · · · · · · · · · · · ·				
leptachlor	10.8		ug/Kg	U	YES	·····	i I		·····		 	·····i		i			······		· · · · · · · · · · · · · · · · · · ·	
feplachlor	10.8	1	ug/Kg	U	YES			1	 			·····	·····	1						• • • • • • •
leptachlor epoxide	10.8		ug/Kg	υį	YES				ii	i. 	····· · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			·····					
leptachlor epoxide	10.8		ug/Kg	U	YES				······		 	·····		1	·····	·····				• • • • • • •
fethoxychlor	10.8	1	ug/Kg	U	YES	1		Ì			·····i	i		1			·····	· · · · · · · · · · · · · · · · · · ·		
felhoxychlor	10.8	1	ug/Kg	U	YES		·····i		i		······	: 1			··· ·· · · · · ·	ייייייי ו	· …;	·····	'i	
oxaphene	36.0	1	ug/Kg	U	YES	·····	· · · · · · · · · · · · · · · · · · ·	 1	····· /	i	i		······ }	······		··· · ··!		?؟ ا	·····!	

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Client Sample ID : E11-150-S4

Lab Report Batch : 31101915

Sample Date : 07/18/2011 Lab Sample ID: 31101915021 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overa Qual		нт	мв	LCS	мs	Lab Dup	Surr	Rep Limit	Molst Tot/Dis		Тиле	IC	icv	CV / CCV
Analysis Method : 8081					Dliuti	on: 1		• • • • • • • • • • • • • • • • • • • •												
Тохарһеле	36.0		ug/Kg	υ	YES	-	ł	1		1	ĺ		1		1		1			1
Analysis Method : 8151					Diluti	on: 1														
2,4,5-T	0.0163		mg/kg	U	YES	UJ	į	1		บม]			I (l		1	1
2,4,5-T	0.0163		mg/kg	υ	YES	UJ]		[UJ	1	1							1	1
2,4,5-TP (Silvex)	0 0163		mg/kg	u	YFS		Í	1		1	1	ł					[;		1	1
2,4,5-TP (Silvex)	0.0163		mg/kg	U	YES		1	1											1	1
2,4'-D	0.0163		mg/kg	U	YES	บม	1			UJ									1	1
2,4'-D	0.0163		mg/kg	υ	YES	UJ				υJ										
2,4-DB	0.0163		mg/kg	U	YES	UJ	}			UJ		1				*	1			
2,4-DB	0.0163		mg/kg	U	YES	UJ	1	1		UJ	1	(1	1
Dicamba	0.0163		mg/kg	υ	YES	IJ	1			UJ	1								1	1
Dicamba	0.0163		mg/kg	U	YES	UJ	1			UJ					1					1
Analysis Method : 8260B					Dilutio	n: 1														
1,1,1,2-Tetrachloroethane	4.41		ug/Kg	U	YES															1
1,1,1-Trichloroethane	4.41	İ	ug/Kg	U	YES		1								1		}		1	1
1,1,2,2-Tetrachieroethane	4.41		ug/Kg	U	YES		1							1	1		}			1
i,1,2-Trichloroethane	4.41		ug/Kg	U	YES		1								1				1	1
1,1-Dichloroethane	4.41		ug/Kg	U	YES		1												ł	1
I,1-Dichloroelhene	4.41		ug/Kg	U	YES		1			1										
,1-Dichloropropene	4.41		ug/Kg	U	YES		1													1
,2,3- i richlorobenzene	4.41	i	ug/Kg	U	YES				1				Í	1	1					1
,2,3-Trichloropropane	4.41	1	ug/Kg	υ	YES					į				1	1		1			1
,2,4-Trichlorobenzene	4.41		ug/Kg	U	YES	UJ	1				UJ				Ì					
,2,4-Trimethylbenzene	4.41	1	ug/Kg	U	YES	ŲJ	ł		1		UJ		1				ĺ			
,2-Dibromo-3-chloropropane	26.5	i	ug/Kg	υ	YES		1	1					1						1	
,2-Dibromoethane	4.41	ĺ	ug/Kg	υ	YES				1		1			1			ł			1
,2-Dichlorobenzene	4.41		ug/Kg	U	YES		1	1	1		1					1	1			

5512

Client Sample ID : E11-150-S4

Sample Date : 07/18/2011 Lab Sample ID: 31101915021 Lab Report Batch : 31101915 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 Quai*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Linsit	Moist Tot/Dis		Tune	IC	ICV	CCV CCV
Analysis Method : 8260B					Diluti	on: 1														
1,2-Dichlorosthane	4.41		ug/Kg	U	YES		1			1	1	1	F .				ļ		1	1
1,2-Dichloropropane	4.41		ug/Kg	ម	YES				1		}									
1,3,5-Trimethylbenzene	4.41		ug/Kg	U	YES															1
1,3-Dichlorobenzene	4.41		ug/Kg	U	YES							1							[1
1,3-Dichtoropropane	4.41		ug/Kg	U	YES					1		}					1	-,		1
1,4-Dichlorobenzene	4.41		ug/Kg	U	YES				1	1	1		[1 1				1	1
2,2-Dichloropropane	4.41		ug/Kg	V	YES						[1 1							
2-Butanone	22.1		ug/Kg	Ų	YES										1		Í		1	1
2-Chlorololuene	4.41		ug/Kg	υ	YES														1	1
2-Hexanone	11.0		ug/Kg	U	YES															1
4-Chiorotoluene	4.41		ug/Kg	U	YES											1				1
4-isopropyitaluene	4.41		ug/Kg	υ	YES															
4-Methyl-2-pentanone	11.0	1	ug/Kg	U	YES															1
Acetone	3.92	İ	ug/Kg	J	YES	J				J	J		1				1			1
Benzene	4.41	Ì	ug/Kg	υ	YES								(1		}			
Bromobenzene	4.41	:	ug/Kg	U	YES						1									1
Bromochloromelhane	4.41		ug/Kg	U į	YES		1		1											1
Bromodichloromethane	4.41		цо/Ко	υį	YES	}	1	1							· · · · · · · · · · · · · · · · · · ·	1				
Bromoform	4,41		ug/Kg	U	YES							1	1			1	1			
Bromomethane	4.41	1	ug/Kg	U	YES			1								Ì		1		
Carbon disulfide	4.41		ug/Kg	U	YES			1	1											1
Carbon tetrachloride	4.41		ug/Kg	U	YES			1	1	1						1				1
Chlorobenzene	4.41		ug/Kg	υį	YES			1				1		1		1				1
Chloroethane	4.41		ug/Kg	υj	YES		1]	1							1		1		i i i i i i i i i i i i i i i i i i i
Chloroform	4.41		ug/Kg	U į	YES		1	1	1		1							1		1
Chloromethane	4.41	Ĩ	ug/Kg	U	YES			1	1	· · · · · · · · · · · · · · · · · · ·		i i i i i i i i i i i i i i i i i i i		!	·····		·····	····· · · · · · · · · · · · · · · · ·		1

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 * Overall result qualifier reflects summalion of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review
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Client Sample ID : E11-150-S4 Sample Date : 07/18/2011

Lab Sample ID: 31101915021

Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

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Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*		มา	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	ic	ICV	CV /
Analysis Method : 8260B					Dilutio															
cis-1,2-Dichtoroethene	4.41		ug/Kg	υ	YES					1	1		1		1		1		1	
cls-1,3-Dichloropropene	4.41		ug/Kg	ម	YES				·								1		1	1
Dibromochloromelhane	4.41		ug/Kg	U	YES		1												1	1
Dibromomethane	4.41		ug/Kg	U	YES		i											••••		1,
Dichlorodifluoromethane	4.41		ug/Kg	υ	YES					1									1	
Ethyl Benzene	4.41		ug/Kg	U	YES		•••••)				1				1	1
Hexachlorobutadiene	4.41		ug/Kg	U	YES	UJ					UJ		1						1	
Isopropylbenzene (Cumene)	4.41		ug/Kg	U	YES									•••••					1	
m,p-Xylene	8.83		ug/Kg	U	YES	 	····							•		•••••) 	1
Methyl iodide	4.41		ug/Kg	υ	YES	 	·····							•••••					<u>.</u>	1
Methylene chloride	2.02		ug/Kg	J	YES	U			υ	1		•••••								1
Naphthalene	4.41		ug/Kg	U	YES :	UJ	·i				UJ									
n-Butylbenzene	4.41		ug/Kg	U	YES	UJ	······ 				IJ						1		1	
n-Propylbenzene	4.41		ug/Kg	U	YES		 	······												1
o-Xylene	4.41		ug/Kg	U	YES		·····							•••••		• • • • • • • • • • •			(1
sec-Bulyibenzene	4.41		ug/Kg	U	YES	<u>ئ</u> ىرىيىرى إ	•••••••	······	·											1
Styrene	4.41		ug/Kg	U	YES	IJ	·····	· · · · · · · · · · · · · · · · · · ·			UJ								[
lert-Butyl methyl ether (MTBE)	4.41		ug/Kg	U	YES						·····								1	
lert-Butylbenzene	4.41		ug/Kg	U	YES	1											1		·. · · · ·	
Tetrachtoroethene	4.41		ug/Kg	υ	YES	••••••					·····								1	1
Toluene	4,41		ug/Kg	U	YES	······														1
Irans-1,2-Dichloroethene	4.41		ug/Kg	U	YES	·····	···· · · · · · · ·													1
rans-1,3-Dichloropropene	4.41	·····	ug/Kg	Ų	YES	·····			· · · · · · · · /		·····	·····	ز ا		}					
rans-1,4-Dichloro-2-butene	22.1		ug/Kg	U	YES	·····		·····			······	•••••••		<u>ا</u> ا	·····			••••		
Trichloroelhene	4.41		ug/Kg	U	YES		·····	i		· · · · · · · · /		: ا	·····/	·····	·····	·····'				
frichlorofluoromelhane	4.41		ug/Kg	U	YES	UJ	····· /·	i	!	····· /	UJ	 	'' 1	!!			\	••••		

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Client Sample ID : E11-150-S4

Sample Date : 07/18/2011

Lab Sample ID: 31101915021

Analysis Type: RES

Lab Report Batch : 31101915

Lab ID : SGSW Sample Matrix : SO

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quaf	Rep Res	Overall Qual*		нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	ю	ICV	CV /
Analysis Method : 8260B					Diluti	on: 1	•••••													••••••
Vinyl chloride	4.41		ug/Kg	Ų	YES	;			1			1	1							
Analysis Method : 8270D					Diluti	on: 1														•••••
1,2,4-Trichlorobenzene	355	;	ug/Kg	U	YES								1						l	
1,2-Dichlorobenzene	355		ug/Kg	Ų	YES	:						{	1							
1,3-Dichlorobenzene	355		ug/Kg	U	YES		1					5	1		ļ					[
1,4-Dichlorobenzene	355		ug/Kg	U	YES		1			1										1
2,4,5-Trichlorophenol	355		ug/Kg	U	YES		1						1						1	1
2,4,6-Trichlorophenoi	355		ug/Kg	υ	YES					}										1
2,4-Dichlorophenol	355		ug/Kg	υ	YES								1							!
2,4-Dimethylphenol	355		ug/Kg	U	YES		······					: [1				1			!
2,4-Dinitrotoluene	355		ug/Kg	U	YES			· · · · · · · · · · · · · · · · · · ·					·	······						/ I
2,6-Dinitrolaluene	355		ug/Kg	U	YES		····· ,		· · · · · ·				() 		؛ ا	·····			' 	/
2-Chloronaphthalene	355		ug/Kg	U	YES		<i>ا</i> ا	······			······		1	؛ ا	······				•••••	/ I
2-Chlorophenol	355		ug/Kg	υ	YES		i	'' 	· · · · · · · · · · · · · · · · · · ·				(: 				••••••	1
2-Methyinaphthalene	355		ug/Kg	U	YES		······	،، ا	······	: ا	······				! 					 I
2-Melhylphenol	355		ug/Kg	U	YES			,			······ 		· · · · · · · · · · · · · · · · · · ·	····· ·	! ا		/			
2-Nitroaniline	355		ug/Kg	υ	YES			: 	// 	······	·····									1
2-Nitrophenol	355		ug/Kg	U	YES				·····	· · · · · · · · · · · · · · · · · · ·	······				······		ئى ا	• • • • • • • • •		
3 and/or 4-Methylphenol	355		ug/Kg	U	YES	1		······································		 	1			· · · · · · · · · · · · · · · · · · ·	••••••••••••••••••••••••••••••••••••••	······		••••••	·····!	
3-Nitroaniline	355	·····	ug/Kg	υ	YES		·····			'' 	······		/ 	ł ا	••••••	 			! ا	••••
I-Bromophenyl phenyl elher	355		ug/Kg	υ	YES	·····	·i		······	!!	•• •••••			!	!. 	؛ا			·····!	•
-Chioro-3-methylphenol	355	·····	ug/Kg	U	YES					′í	 ا		· · · · · · · · · · · · · · · · · · ·	·····!	·····.	!	!- 		<u>ا</u>	
I-Chloroaniline	355	·····	ug/Kg	υ	YES	·····		i			! }				·······	•••••••			ا	••••
-Chlorophenyl phenyl elher	355	÷	ug/Kg	υi	YES	· · · · · · · · · · · · · · · · · · ·	i	i 	!	······	••••••••••••••••••••••••••••••••••••••				·····	i	i			••
-Nitroaniline	355	•••••	ug/Kg		YES	·		·····			 I		1		!	·····!		!	!	
-Nitrophenol	355	·;	ug/Kg	υ	YES	·		¹			·····	·····!	·	1	· · · · · · · · · · · · · · · · · · ·	·····¦	Å	·····/	<u>ا</u> ۔۔۔۔ا	
cenaphihene	355	·	ug/Kg	u 🗄	YES	·····						! -				ا، ۱		لا 1	······¦	

• 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 : E11-150-S4 Sample Date : 07/18/2011

Lab Sample ID: 31101915021

Lab Report Batch : 31101915 Analysis Type: RES Lab ID : SGSW Sample Matrix : SO .

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Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*		нγ	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CV / CCV
Analysis Method : 8270D					Diluti	on: 1														
Acenaphthylene	355		ug/Kg	U	YES					1							1			<u> </u>
Anthracene	355		ug/Kg	U	YES								1		Í					1
Benzo(a)anthracene	355		ug/Kg	U	YES			1				1							1	1
Benzo(a)pyrene	355		ug/Kg	U	YES										[1
Benzo(b)fluoranthene	355		ug/Kg	U	YES								1		1					[
Benzo(g,h,i)perylene	355		ug/Kg	U	YES															1
Benzo(k)fluoranthene	355		ug/Kg	U	YES			1				1			l					1
Bis(2-Chloroethoxy)methane	355		ug/Kg	U	YES			1				{								1
Bis(2-Chloroethyl)ellier	355		ug/Kg	U	YES	1		1							l i					1
Bis(2-Chioroisopropyi)ether	355		ug/Kg	υ	YES															1
Bis(2-Elhylhexyl)phthalate	355		ug/Kg	U	YES			1									1			1
Bulyi benzyi phihalate	355		ug/Kg	U	YES	1		1		1	1									1
Chrysene	355	į	ug/Kg	U	YES						1				1					1
Dibenz(a,h)anthracene	355	1	ug/Kg	U	YES		1	1									1			1
Dibenzofuran	355	1	ug/Kg	υ	YES				1	1										I
Diethyl phthalate	355	į	ug/Kg	u	YES				1			1			1	1		1		
Dimethyl phthalate	355	į	ug/Kg	U	YES			1	1							1	4			[
Di-n-bulyl phihalale	355	ĺ	ug/Kg	U	YES		1	1	1		1					1	1			1
Di-n-octyl phthalate	355		ug/Kg	υį	YES			1	1	1			1						1	1
Fluoranthene	355		ug/Kg	U	YES			1				1						1		
Fluorene	355	1	ug/Kg	U	YES			1			1					1	Į			
Texachlorobenzene	355	1	ид/Кд	U	YES	1	1	Ĩ	1		}		1						1	1
1exachlorobuladiene	355	į	ug/Kg	υį	YES				1	;	ĺ					· · · · ·				1
1exachlorocyclopentadiene	355		ug/Kg	V	YES					1		1				1			i	1
fexachloroethane	355		ug/Kg	U	YES	1	1	1	1	1	Ì	1			·····	1		1	; 	1
ndeno(1,2,3-cd)pyrene	355	1	ug/Kg	u	YES	1		Ì	1			1		1		1	1		·····	1

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Client Sample ID : E11-150-S4 Sample Date : 07/18/2011

Lab Report Batch : 31101915

Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

Lab Sample ID: 31101915021

Reviewed By / Date :							Арр	roved	l 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	ICV	cv/ ccv
Analysis Method : 8270D					Diluti	on; 1														
Isophorone	355		ug/Kg	U	YES		1	ł	1	1	ì			1					1	
Naphihaiene	355		ug/Kg	Ų	YES		(1										1	1
Nilrobenzene	355		ug/Kg	υ	YES				1				1		[1
n-Nitrosodi-n-propylamine	355		ug/Kg	U	YES						1		1							1
Pentachlorophenoi	355		ug/Kg	u	YES	U.J				LU.I				1	1					1
Phenanthrene	355		ug/Kg	υ	YES									[1				1	[
Phenoi	355		ug/Kg	U	YES									}	1					
Pyrene	355		ug/Kg	U	YES								` 	: 					1	

Project Number and Name:	11-032E - 11-032E Carroll Agent Orange	Library Used:	CampCarroli	
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* Overali result qualifier reflects summ	ation of qualifiers added during automated data review and any qualifiers added manually for	categories not assessed by automated data	a review	

Client Sample ID : E11-152-S1 Sample Date : 07/18/2011

Lab Sample ID: 31101915007

Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

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Analyte Name	Result	Uncertainty / Error	Resuit Units	Lab Quai	Rep Res	Overail Qual*	Тетр	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Fleid QC	Tune	IC	ICV	CV (CC\
Analysis Method : 6010C					Dilutio	en: 1	,													
Arsenic	3.69		mg/kg		YES					1	1									1
Barium	66.6		mg/kg		YES	J	i				J								1	l
Cadmium	0.749		mg/kg		YES	U		1	U			1							1	1
Chromium	3.58		mg/kg		YES	U			U		i	[1	Î
Lead	8.04		mg/kg		YES	Ŀ					(J	J								I
Selenium	2.04		mg/kg	U	YES			1												1
Silver	1.02		mg/kg	U	YES			1				Į								
Analysis Method : 7471B					Dilutio	ก: 1														
Mercury	0.0216		mg/kg	Ų	YES						Ì								1	1
Analysis Method : 8081					Dilutio	n: 1														
4,4'-DDD	1.38		ug/Kg	JP	YES												1		[1
4,4'-DDD	1.38		ug/Kg	JP	YES			l							·		Í			
4,4'-DDE	10.5		ug/Kg		YES	1											l			I
4,4'-DDE	10.5		ug/Kg		YES								}				1			
1,4'-DDT	58.8		ug/Kg		YES			I		1			Í		1					1
1,4'-DDT	58.8		ug/Kg		YES										1					I
Aldrin	10.3		ug/Kg	U	YES	ļ	l	{							1					l
Aldrin	10.3		ug/Kg	U	YES	(1								1	1			1
Ipha-BHC	10.3	1	ug/Kg	U	YES		1	l	1	Į			ĺ				1			1
Ilpha-BHC	10.3		ug/Kg	υ	YES)			1		l
lpha-Chlordane	10.3	į	ug/Kg	U	YES	}		1								1				1
lipha-Chlordane	10.3	ļ	ug/Kg	U	YES	I		1	1	1	1		1	1		1	1			1
eta-BHC	10.3	;	ug/Kg	U	YES					1	{		1	1		1	}			
eta-BHC	10,3		ug/Kg	U	YES		I			ĺ		1						1	1	
Chlordane	34.2	i	ug/Kg	U	YES	1	.	1						1		1				
Chlordane	34.2		ug/Kg	V	YES				1	1	1		1							
ella-BHC	10.3		ug/Kg	υ	YES		1	1		}				Ì		Ì		·		

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 : E11-152-S1

Sample Date : 07/18/2011 Lab Sample ID: 31101915007 Lab Report Batch : 31101915 Analysis Type: RES Lab ID : SGSW Sample Matrix : SO

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Reviewed By / Date :

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Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overali Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	icv	CV / CCV
Analysis Method : 8081					Dilutio	on: 1														
delta-BHC	10.3		ug/Kg	U	YES					1	1	-			1					1
Dieldrin	10.3		ug/Kg	U	YES							ţ								1
Dieldrin	10.3		ug/Kg	U	YES								1	}					1	1
Endosulfan I	10.3		ug/Kg	U	YES		1										}		1	1
Endosullan i	10.3		ug/Kg	U	YFS															
Endosulfan II	10.3		ug/Kg	υ	YES						1	1	[1
Endosulfan II	10.3		ug/Kg	U	YES		1					1								1
Endosulfan sulfale	10.3		ug/Kg	U	YES															1
Endosullan sulfate	10.3		ug/Kg	U	YES															1
Endrin	10.3		ug/Kg	U	YES														1	1
Endrin	10.3		ug/Kg	υ	YES					1									1	
Endrin aldehyde	10.3		ug/Kg	บ	YES							(1
Endrin aldehyde	10.3		ug/Kg	U	YES			1												1
Endrin ketone	10.3		ug/Kg	U	YES										[1			1
Endrin ketone	10.3		ug/Kg	u	YES															1
gamma-8HC (Lindane)	10.3		ug/Kg	U	YES															1
gamma-8HC (Lindane)	10.3		ug/Kg	U	YES			1								1	1			1
gamma-Chlordane	10.3	1	ug/Kg	U	YES			1					1				1			1
gamma-Chiordane	10.3	1	ug/Kg	U	YES		1	1		}					[[
-teptachlor	10.3	1	ug/Kg	U	YES		1		1				1							1
Heptachlor	10.3	í	ug/Kg	U	YES		1	1	1				1			1				1
Replachlor epoxide	10.3	1	ug/Kg	υ	YES		1	1	1	1			1		1					
teptachlor epoxide	10.3		ug/Kg	U	YES		1	1	1	(1		1		• • • • • • • • • • • •	1
Methoxychlor	10.3		ug/Kg	U	YES			··									·····			
Methoxychlor	10.3		ug/Kg	U	YES		· · · · · ·		····· /			1				i	 			1
foxaphene	34.2	1	ug/Kg	U	YES		1			i				· · · · · · · · · · · · · · · · · · ·	···· ·· · · · ·	1	 I			

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Client Sample ID : E11-152-S1

Sample Date : 07/18/2011 Lab Sample ID: 31101915007 Lab Report Batch : 31101915 Analysis Type: RES Lab ID : SGSW Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Oven Qua	all i* Temp	ΗT	мв	LCS	MS	Lab Dup	Surr		Moist Tot/Dis		Tune	IC	ICV	CV / CCV
Analysis Method : 8081					Diluti	on: 1														
Toxaphene	34.2		ug/Kg	U	YES	÷				1	1	1	[1	1				1	1
Analysis Method : 8151					Diluti	on:1														
2,4,5-T	0.0171		mg/kg	U	YES	:	1						1		}					1
2,4,5-TP (Silvex)	0.0171		mg/kg	Ų	YES	IJ			1	1	UJ				1 (1	1
2,4'-D	0.0171		mg/kg	U	YES	បរ				1	UJ	1	1	1	1		1		1	1
2, 4- DB	0.0171		mg/kg	υ	YES						5	1	1	ş			i			I
Dicamba	0.0171		mg/kg	υ	YES		1		1				1	ĺ			1]	F
Analysis Method : 8260B					Difuti	on: 1														
1, 1, 1, 2-T chachtor velhane	4.21		ug/Kg	U	YES				1				1							1
1,1,1-Trichloroethane	4.21		ug/Kg	U	YES							{		1					1	1
1,1,2,2-Tetrachloroethane	4.21		ug/Kg	V	YES							2	1		1		1			1
1,1,2-Trichloroelhane	4.21		ug/Kg	υ	YES		{						1				1			
1,1-Dichioroethane	4.21		ug/Kg	υ	YES										1					1
1,1-Dichloroethene	4.21		ug/Kg	υ	YES								1		1		1			1
1,1-Dichloropropene	4.21		ug/Kg	U	YES								1				i			
1,2,3-Trichlorobenzene	4.21		ug/Kg	U	YES								1			1			l	
1,2,3-Trichloropropane	4.21		ug/Kg	υ	YES								1	.	1	1				1
1,2,4-Trichlorobenzene	4.21		ug/Kg	U	YES	UJ				1	UJ		[1
1,2,4-Trimethylbenzene	4.21		ug/Kg	U	YES	UJ	1				បរ		1							
,2-Dibromo-3-chloropropane	25.3		ug/Kg	U	YES]	1			
,2-Dibromoethane	4.21		ug/Kg	υ	YES										1	1				1
,2-Dichlorobenzene	4.21	·	ug/Kg	U	YES					1						1				1
,2-Dichloroethane	4.21		ug/Kg	U	YES		1							1		1				í
,2-Dichloropropane	4.21		ug/Kg	υ	YES		1										1			1
,3,5-Trimethylbenzene	4.21	1	ug/Kg	υį	YES		1													i
,3-Dichlorobenzene	4.21		ид/Кд	U	YES		1 1			1	}	•••••				Ì				1
,3-Dichloropropane	4.21		ug/Kg	U	YES		1 1		······	{		•••••		1		Ì		i		1
oject Number and Name: 11-032	E - 11-032E	Cowell Acres										rary Us		CampO						



Client Sample ID :E11-152-S1

Sample Date : 07/18/2011 Lab Sample ID: 31101915007 Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

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Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overall Quai*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	łC	ICV	CV CCV
Analysis Method : 8260B					Diluti	on: 1														
1,4-Dichlorobenzene	4.21		ug/Kg	U	YES	i i											1		1	1
2,2-Dichloropropane	4.21		ug/Kg	U	YES	1													1	1
2-Butanone	3.16		ug/Kg	J	YES	J	1			1	J								1	1
2-Chlorololuene	4.21		ug/Kg	V	YES		1												1	Ì
2-Hexanone	10.5		ug/Kg	U	YES			1		[•••••				1
4-Chiorotoluene	4.21		ug/Kg	U	YES	1													1	
4-Isopropyitoluene	4.21		ug/Kg	U	YES		1												1	í, I
4-Melhyl-2-pentanone	10.5		ug/Kg	υ	YES		1													i
Acetone	14.4		ug/Kg	J	YES	J	1			J	J									
Benzene	4.21		ug/Kg	U	YES	1		1												1
Bromobenzene	4.21		ug/Kg	Ų	YES	Ì							[
Bromochloromethane	4.21		ug/Kg	U	YES						1									
Bromodichloromethane	4.21		ug/Kg	U	YES	1	1										1			1
Bromoform	4.21	1	ug/Kg	υ	YES							•••••							1	1
Bromomethane	4.21	1	ug/Kg	U	YES	1		1											1	
Carbon disulfide	4.21		ug/Kg	U	YES		1	1	ĺ								1			
Carbon tetrachloride	4.21		ug/Kg	U	YES		1	1	·····	1									1	
Chlorobenzene	4.21		ug/Kg	U	YES		1			1	1									
Chloroethane	4.21		ug/Kg	U	YES			1			1									
Chloroform	4.21		ug/Kg	υ	YES		1	1	1	1			1			1	·····			
Chloromethane	4.21		ug/Kg	υ	YES			 	1	1	1		······							
ls-1,2-Dichtoroethene	4.21		ug/Kg	U	YES		i.	·····	 1			••••••••••••••••••••••••••••••••••••••	·····	1						
is-1,3-Dichloropropene	4.21		ug/Kg	U	YES			in ni			 	· · · · · · · · · · · · · · · · · · ·	·····;			·····	 			
Dipromochloromethane	4.21		ug/Kg	U	YES	••••••	·····	·	i		·····	i		i	i		 I			
Dibromomethane	4.21		ug/Kg	U	YES	·····	1					۰۰ ا	· · · · · · · · · / ·	······	·····		/	· · · ·		
Dichtorodifluoromethane	4.21	1	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 10:38

5501

Client Sample ID : E11-152-S1

Lab Report Batch : 31101915

Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

Sample Date : 07/18/2011 Lab Sample ID: 31101915007

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overati Qual*	Тетр	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	icv	CV. CC\
Analysis Method : 8260B					Diluti	งก: 1														
Ethyl Benzene	4.21		ug/Kg	υ	YES				1		1	i		1	1				1	1
Hexachlorobutadiene	4.21		ug/Kg	U	YES	IJ					UJ	1	1						1	1
Isopropylbenzene (Cumene)	4.21		ug/Kg	U	YES		1		I											I
m.p-Xylene	8.42		ug/Kg	υ	YES					1				1					1	1
Methyl iodide	1 12		ug/Kg	J	YES							}	[1	
Methylene chloride	1.15		ug/Kg	J	YES	U			U			}							I	1
Naphlhalene	4.21		ug/Kg	U	YES	IJ					UJ	1							1	1
n-Bulybenzene	4.21		ug/Kg	U	YES	UJ	1				UJ									1
n-Propylbenzene	4.21		ug/Kg	υ	YES		1													1
o-Xylene	4.21		ug/Kg	U	YES															
sec-Bulylbenzene	4.21		ug/Kg	U	YES	1						1							1	
Styrene	4.21		ug/Kg	U	YES	UJ	 				UJ								1	
ent-Butyl methyl ether (MTBE)	4.21		ug/Kg	U	YES	1														
en-Bulylbenzene	4.21		ug/Kg	U	YES		1										(1	
Tetrachloroethene	4.21		ug/Kg	U	YES		1					[······				· · · · · · ·
foluene	4.21		ug/Kg	υ	YËS		1		1											
rans-1,2-Dichloroethene	4.21		ug/Kg	U	YES												· · · · · · · · · · · · · · · · · · ·			
rans-1,3-Dichloropropene	4.21		ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·									i	· · · · · · · · · · ·		ł	
rans-1,4-Dichloro-2-bulene	21.1		ug/Kg	U	YES				·		• • • • • •	••••				····· i	······		1	
frichloroelhene	4.21		ug/Kg	U	YES			·····i	1	····· /						······	i		1	
Frichteroflueromethane	4.21		ug/Kg	U	YES	L U		·····	· · · · · · · · · · · · · · · · · · ·	·······	IJ					1	······		1	
/inyl chloride	4.21		ug/Kg	U	YES			î		1					·····					
Analysis Method : 8270D				••••	Dilutio	n: 1													**********	
,2,4-Trichlorobenzene	340	i	ug/Kg	U	YES															
,2-Dichlorobenzene	340		ug/Kg	U	YES	·'- 	·····	 	1		 	·····'	·/. 		!- 	······				
,3-Dichlorobenzene	340		ug/Kg	u	YES		·····	 1	! 		·····	·i	·'''''''''-	1	'-	:i	······			
,4-Dichlorobenzene	340		ug/Kg	U	YES	 		<u>ن</u> ــــــ	····· /					·····	'- 		· · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
oject Number and Name: 11-0								· · · <i>·</i> · · · · ·									• • • • • • • • • •			

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

Client Sample ID : E11-152-S1

Sample Date : 07/18/2011 Lab Sample ID: 31101915007 Lab Report Batch : 31101915 Analysis Type: RES Lab ID : SGSW Sample Matrix : SO

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Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Quai*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tet/Dis		Tune	IC	ICV	CV / CCV
Analysis Method : 8270D					Dilutio	on: 1														
2,4,5-Trichiorophenol	340		ug/Kg	U	YES								1		1				1	
2,4,6-Trichlorophenol	340		ug/Kg	U	YES															1
2,4-Dichlorophenol	340		ug/Kg	υ	YES				1						1					
2,4-Dimethylphenol	340		ug/Kg	U	YES		1			1	}]							[1
2,4-Dinitrololuene	340		ug/Kg	U	YES						1	1	1						1	1
2,6-Dinitrololuene	340		ug/Kg	υ	YES										{				1	1
2-Chloronaphthalene	340		ug/Kg	υ	YES														1	
2-Chlorophenol	340	ĺ	ug/Kg	υ	YES				1											1
2-Methyinaphthalene	340		ug/Kg	U	YES		1		1											
2-Methylphenol	340		ug/Kg	U	YES							1								[
2-Nitroaniline	340		ug/Kg	U	YES						1	1								1
2-Nitrophenol	340		ug/Kg	υ	YES										1				1	1
3 and/or 4-Methylphenol	340	Í	ug/Kg	u	YES										i i				1	
3-Nitroanillae	340		ug/Kg	U	YES											1				
4-Bromophenyl phenyl ether	340		ug/Kg	υ	YES		l										į			1
1-Chioro-3-methylphenol	340		ид/Кд	U	YES												1			1
4-Chloroaniline	340		ug/Kg	U	YES										1		1			
4-Chlorophenyl phenyl elher	340		ug/Kg	U	YES												f			
I-Nitroaniline	340		ug/Kg	U	YES		1			1									1	
I-Nitrophenol	340		ug/Kg	υ	YES															1
Aconaphthene	340		ug/Kg	U	YES											1	1			
Acensphthylene	340	1	ug/Kg	U	YES	1							1			1	1			1
Anthracene	340	1	ug/Kg	U	YES	1			1				1				}			1
Benzo(a)anlhracene	340		ug/Kg	U	YES		1													
Benzo(a)pyrene	340		ug/Kg	U	YES				Ì											
Senzo(b)fluoranlhene	340	1	ug/Kg	υ	YES					1										

ADR 8.2 Report Date: 9/6/2011 10:38



Client Sample ID : E11-152-S1

Sample Date : 07/18/2011 Lab Sample ID: 31101915007 Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

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		Tune	IC	icv	CV/
Analysis Method : 8270D					Diluti															
Benzo(g,h,i)perylene	340		ug/Kg	U	YES	:	1			1	}	1	1				1		1	
Benzo(k)fluoranlhene	340		ug/Kg	U	YES												1	• • • • • • • • •	1	1
Bis(2-Chloroethoxy)methane	340		ug/Kg	U	YES								1							1
Bis(2-Chioroelhyl)elher	340		ug/Kg	U	YES]			1										1
Bis(2-Chloroisopropyl)ether	340		ug/Kg	U	YES	:					1									1
Bis(2-Ethylhexyl)phthalate	340		ug/Kg	U	YES															
Butyi benzyi phthalate	340		ug/Kg	U	YES														1	}
Chrysene	340		ug/Kg	U	YES	1			• • • • • • • • • • •										1	1
Dibenz(a,h)anlhracene	340		ug/Kg	U	YES															1
Dibenzofuran	340		ug/Kg	υ	YES															1
Diethyl phihalate	340		ug/Kg	U	YES															1
Dimethyl phthalate	340		ug/Kg	U	YES											1				
Di-n-butyl phthalate	340		ug/Kg	υ	YES								Ì							1
Di-n-octyl phthalate	340		ug/Kg	U	YES		1													1
Fluoranthene	340		ug/Kg	U	YES															1
Fluorene	340		ug/Kg	U	YES			1												
Hexachlorobenzene	340		ug/Kg	U	YES	1]	1												1
Hexachiorobutadiene	340		ug/Kg	U	YES		1	1					ſ			1				1
Hexachlorocyclopenladiene	340		ug/Kg	ប	YES		1													1
Hexachloroethane	340		ug/Kg	U	YES	1									ł	1				
Indeno(1,2,3-cd)pyrene	340		ug/Kg	U	YES	1		1						1						
sophorone	340	ļ	ug/Kg	U	YES	1		1	1				1			1			[
Naphthalene	340	ļ	uy/Kg	υ	YES	1	1	1	1	1			1			1				
Nitrobenzene	340	1	ug/Kg	U	YES										1					1
n-Nitrosodi-n-propylamine	340		ug/Kg	U	YES			Î				·····	 							
Pentachlorophenol	340	111111	ug/Kg	U	YES	UJ	i- 	ì	····· /	UJ I	 		·····	1		: 1	;			1

Library Used: CampCarroll Project Number and Name: 11-032E - 11-032E Carroll Agent Orange ADR 8.2 Report Date: 9/6/2011 10:38



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Client Sample ID : E11-152-S1 Sample Date : 07/18/2011 Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

Sample Date : 0//18/2011 A Lab Sample ID: 31101915007 Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quat	Rep Res	Overali Qual*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D					Dituti	on: 1														
Phenanthrene	340		ug/Kg	U	YES		i										1		1	
Phenol	340		ug/Kg	Ų	YES												I i			
Рутепе	340		ug/Kg	υ	YES														1	

Project Number and Name:	11-032E - 11-032E Carroll Agent Orange	Library Used:	CampCarroll	
ADR 8.2		Report Date: 9/6/2011 10:38		Page 130 of 182
* Overall result qualifier reflects summ	ation of qualifiers added during automated data review and any qualifiers added manually	for calegories not assessed by automated data	a review	

5525

Client Sample ID : E11-152-S2

Sample Date : 07/18/2011 Lab Sample ID: 31101915008 Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

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Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overaf Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV CCV
Analysis Method : 6010C					Dilutio	n: 1														
Arsenic	3.82		mg/kg		YES				<u> </u>	1				1					1	!
Barium	80.3		mg/kg		YES	J					J						<u> </u>			1
Cadmium	0.833		mg/kg		YES	U			U	ł	ļ	1	ļ							
Chromium	4.21		mg/kg		YES				1	1	1	{	1				{		1	1
Lead	7.77		mg/kg		YES	J				1	J	J		Į					1	1
Selenium	2.20		mg/kg	U	YES					1				1					1	I
Silver	1.10		mg/kg	U	YES									{						1
Analysis Method : 7471B					Dilutio	n: 1														
Mercury	0.00153		mg/kg	J	YES						l	1			1					
Analysis Method : 8081					Dilutio	n: 1														
4,4'-DDD	10,0		ug/Kg	υ	YES					1									1	1
1,4'-DDE	10.0		ug/Kg	U	YES	İ													1	1
4,4'-DDT	10.0		ug/Kg	U	YES		1													1
Aldrin	10.0		ug/Kg	U	YES]									1				1	1
ipha-BHC	10.0		ug/Kg	U	YES		1	1							ĺ				I	1
Ipha-Chlordane	10.0		ug/Kg	U	YES		1	l											1	I
eta-BHC	10.0		ug/Kg	υ	YES															[
Chiordane	33.3		ug/Kg	υ	YES			1									1		[1
lella-BHC	10,0		ug/Kg	U	YES	1					1				1				1	1
Dieldrin	10.0		ug/Kg	U	YES		1	1			1				1	1			1	1
ndosullan l	10.0	ĺ	ug/Kg	U	YES		1	1	1											1
ndosulfan II	10.0		ug/Kg	U	YES	}											1			
ndosulfan sulfate	10.0		ug/Kg	U	YES	1											1			1
indrin	10.0		ug/Kg	U	YES						1		1			1				1
indrin aldehyde	10.0	i	ug/Kg	υ	YES		1	1	1	1	1		Ì							1
ndrin ketone	10.0		ug/Kg	U	YES		1	Ì						·····						1
amma-BHC (Lindane)	10.0		ug/Kg	U	YES			. 1					ĺ				1			

5556

Client Sample ID : E11-152-S2 Sample Date : 07/18/2011

Lab Sample ID: 31101915008

Lab Report Batch : 31101915

Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO •

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Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overal Qual*	Temp	нт	мв	LCS	MS	Eab Dưp	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	icv	CV / CCV
Analysis Method : 8081					Dilutio	on: 1														
gamma-Chlordane	10.0		ug/Kg	υ	YES								ŧ.	1			Í		1	1
Heptachlor	10.0		ug/Kg	U	YES		1													1
Heplachlor epoxide	10.0		ug/Kg	V	YES		((1							
Methoxychlor	10.0		ug/Kg	U	YES						1								1	1
Toxaphene	33.3		ug/Kg	U	YES							Į								1
Analysis Method : 8151					Dilutio	m: 1														
2,4,5-T	0.0170		mg/kg	U	YES						l	5								1
2,4,5-TP (Silvex)	0.0170		mg/kg	U	YES	UJ	}	1			UJ				1					
2,4'-D	0.0170		mg/kg	U	YES	UJ					UJ									
2,4-DB	0.0170]	mg/kg	U	YES						5				1					1
Dicamba	0.0170		mg/kg	U	YES										1					1
Analysis Method : 8260B					Dilutio	n:1														
1,1,1,2-Tetrachloroethane	4.08		ug/Kg	υ	YES		i i			Ĭ							ļ			
1,1,1-Trichloroethane	4.08		ug/Kg	U	YES]						1		1			1
1,1,2,2-Telrachloroethane	4.08		ug/Kg	υ	YES			1	1			1				1				1
1,1,2-Trichlorocthane	4.08		ug/Kg	U	YES											1				ĺ
i,1-Dichloroethane	4.08		ug/Kg	U	YES					1			1			1				
I,1-Dichloroelhene	4.08		ug/Kg	U	YES					}		1	1			1				1
I,1-Dichloropropene	4.08	Í	ид/Кд	U	YES				1		1				1		1			1
i,2,3-Trichlorobenzene	4.08	1	ug/Kg	υ	YES		1	1	1	1				1						1
,2,3-Trichloropropane	4.08	Ì	ug/Kg	U	YES					1						1				
,2,4-Trichlorobenzene	4.08	;	ug/Kg	U	YES	IJ		1			UJ		}			1			Í	
,2,4-Trimethylbenzene	4.08		ug/Kg	U	YES	UJ			1		UJ į	1	(·i		1	1		
,2-Dibromo-3-chloropropane	24.5	1	ug/Kg	υ	YES			1	1								1	1		
,2-Dibromoethane	4.08		ug/Kg	U	YES		Ī			1]	[••••
,2-Dichlorobenzene	4.08		ug/Kg	U	YES					(1			1				
,2-Dichloroethane	4.08		ug/Kg	υ	YES	·····		1	1		1	Ì	(ĺ		l	1	Ĵ	1	
roject Number and Name: 11-032E	- 11-032E (Carroll Agen	t Orange								Lib	rary Us	ed:	Campo	Carroll					
- DR 8.2			5						Ron	ort Date		011 10						Done	132 of	192

* 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 : E11-152-S2

Sample Date : 07/18/2011 Lab Sample ID: 31101915008 Analysis Type: RES

Lab Report Batch : 31101915

Lab ID : SGSW Sample Matrix : SO

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Molst Tot/Dis		Tune	IC	icv	CV /
Analysis Method : 8260B	///··· // ·····				Dilutio	on: 1						·····								
1.2-Dichioropropane	4.08		ug/Kg	υ	YES							}	1					í	1	1
1,3,5-Trimethylbenzene	4.08		ug/Kg	U	YES														1	[
1,3-Dichlorobenzene	4.08		ug/Kg	U	YES	ļ	1]			}		•••••	1		1	1
1,3-Dichloropropane	4.08		ug/Kg	υ	YES	3						1	1						1	1
1,4-Dichlorobenzene	4.08		uų/Ką	U	YES							}							1	1
2,2-Dichtoropropane	4.08		ug/Kg	U	YES							1							1	1
2-Butanone	14.9		ug/Kg	J	YES	Γ	1			1	J		1							
2-Chlorotoluene	4.08		ug/Kg	υ	YES	}							[1
2-Hexanone	10.2		ug/Kg	U	YES												1			1
4-Chlorotaluene	4.08	Ì	ug/Kg	U	YES							1							1	
4-isopropyitoluene	4.08	1	ug/Kg	U	YES														1	
4-Methyl-2-pentanone	10.2		ug/Kg	υ	YES		1													
Acetone	78.2	ļ	ug/Kg		YES	J				J	J									1
Benzene	4.08	i	ug/Kg	υ	YES		1	1							Ì				1	
Bromobenzene	4.08	İ	ug/Kg	υ	YES	1	1													
Bromochloromelhane	4.08		ug/Kg	U	YES															
Bromodichloromethane	4.08		ug/Kg	U	YES									ļ					1	1
Bromoform	4.08	į	ug/Kg	υ	YES	i	1	1	1										1	
Bromomethane	4.08	1	ug/Kg	U	YES	1	1	I							1		1		1	
Carbon disulfide	4.08	1	ug/Kg	U	YES	1								1		1				
Carbon tetrachloride	4.08		ug/Kg	υ	YES															
Chlorobenzene	4.08		ug/Kg	υ	YES		1	1	1	1						1			1	
theroethane	4.08		ug/Kg	U	YES	1	1	1	1							f				
hioroform	4.08		ug/Kg	U	YES]	·····	1							
Chloromethane	4.08	:	ug/Kg	U	YES		1				í	1								
is-1,2-Dichloroelhene	4.08	1	ug/Kg	U	YES	1		1			i				· · · · · · · · · · · · · · · · · · ·					

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange Library Used: CampCarroll ADR 8.2 Report Date: 9/6/2011 10:38

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Client Sample ID : E11-152-S2

Sample Date : 07/18/2011

Lab Sample ID: 31101915008

Analysis Type: RES

Lab Report Batch : 31101915

Lab ID : SGSW Sample Matrix : SO

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	Field QC	Tune	IC	ICV	CV/
Analysis Method : 8260B					Diluti	on; 1														
cis-1,3-Dichloropropene	4.08		ug/Kg	U	YES						l									1
Dibromochloromethane	4.08		ug/Kg	υ	YES	ļ					1	1					1 1			I
Dibromomethane	4.08		ug/Kg	U	YES									1					1	
Dichlorodifluoromethane	4.08		ug/Kg	U	YES														1	[
Ethyl Benzene	4.08		ug/Kg	U	YES										1		1			1
Hexachtorobutadiene	4.08		ug/Kg	U	YES	ŲJ					UJ									I
Isopropybenzene (Cumene)	4.08		ug/Kg	U	YES										Ì					1
m,p-Xylene	8.15		ug/Kg	U	YES															1
Melhyl lodide	3.55		ug/Kg	J	YES			1												
Melhylene chloride	1.90		ug/Kg	J	YES	U			U										! 	1
Naphthalene	4.08		ug/Kg	U	YES	UJ			1		υJ									:
n-Butylbenzene	4.08		ug/Kg	U	YES	IJJ					UJ									:
n-Propylbenzene	4,08		ug/Kg	U	YES				1						·				 	:
o-Xylene	4.08		ug/Kg	U	YES		······				·····				······	•••••				: I
sec-Bulyibenzene	4.08		ug/Kg	U	YES						······			····· 	······			••••••		:
Slyrene	4.08		ug/Kg	U	YES	UJ		Ì		······	UJ				 					!
ert-Butyl methyl elher (MTBE)	4.08		ug/Kg	U	YES				·····	· · · · · · · · · · · · · · · · · · ·					······					
ert-Butylbenzene	4.08		ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·	 		: 	i 		·····/	······			1		• • • • • • • • •	
Felrachloroethene	1.85	1	ug/Kg	J	YES	·····i		i		· · · · · · · · · · · · · · · · · · ·	······					·····	 I			
foluene	0.791		ug/Kg	J	YES	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	i	······			 			·····					:
rans-1,2-Dichloroethene	4.08	·····	ug/Kg	U	YES			 		1	i (· · · · · · · · · · · /	· 	·····i					
rans-1,3-Dichloropropene	4.08		ug/Kg	U	YES		·····	· · · · · · · · · · · · · ·	1	·····	·····	····· · · · · · · · · · · · · · · · ·			·····					
rans-1,4-Dichloro-2-butene	20.4		ug/Kg	υ	YES				i		 				· • · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		· · · · · ·		
Frichloroethene	4.08	·····	ug/Kg	u	YES	••••••	·····	 1	۰۰۰۰۰۰۰ ا			i			••••••			······		••••••
richlorofluoromethane	4.08		ug/Kg	U	YES	UJ	·····		······		UJ [:i	· · · · · · · · · · · · · · · · · · ·			 I	······		
/inyl chloride	4.08	·····	ug/Kg	υ	YES	؛ ا			·····	f. 	 1	····· · · · · · · · · · · · · · · · ·	·····/	!! 	······	·····'		// ا		
Analysis Method : 8270D	:/			•••••	Dilutio	n: 1			•••••		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · ·			· · · · · · · · · · · · ·	·····	·····			

* 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 : E11-152-S2

Sample Date : 07/18/2011 Lab Sample ID: 31101915008 Lab Report Batch : 31101915 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	Overait Qual*	Тетр	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						· · · · ·								
1,2,4-Trichlorobenzene	341		ug/Kg	υ	YES	1			[1		1			(1			
1,2-Dichlorobenzene	341		ug/Kg	U	YES				1		}	1								1
1,3-Dichlorobenzene	341		ug/Kg	U	YES		1		1		}	}							1	
1,4-Dichlorobenzene	341		ug/Kg	Ų	YES					1]				1	1
2,4,5-Trichlorophenol	341		ug/Kg	U	YES				[1										
2,4,6-Trichlorophenol	341		ug/Kg	U	YES	1			1		1	{								
2,4-Dichlorophenol	341		ug/Kg	บ	YES				1			1								1
2,4-Dimethylphenol	341		ug/Kg	Ų	YES		1		1										1	1
2,4-Dinitrotoluene	341		ug/Kg	Ų	YES														1	1
2,6-Dinitrotoluene	341		ug/Kg	U	YES								[1	
2-Chloronaphthaiene	341		ug/Kg	U	YES															
2-Chiorophenol	341		ug/Kg	U	YES								1							
2-Methylnaphthalene	341		ug/Kg	υ	YES	1							ĺ						1	
2-Melhyiphenol	341		ug/Kg	U	YES															
2-Nitroaniline	341		ug/Kg	U	YES		1				1						1		1	
2-Nitrophenol	341		ug/Kg	U	YES						1		1				1			1
3 and/or 4-Methylphenol	341		ug/Kg	U	YES	1	I						1							1
3-Nitroaniline	341		ug/Kg	U	YES	1							1	1	{	1	}			
4-Bromophenyl phenyl ether	341		ug/Kg	U	YES		1	1								1				
4-Chloro-3-methylphenol	341		ug/Kg	υ	YES		1			1										
1-Chloroaniline	341		ug/Kg	U	YES	1	1				İ		1				1			
i-Chlorophenyi phenyi ether	341		ug/Kg	U	YES	1	ł					1	1				1			
I-Nitroaniline	341		ug/Kg	υ	YES			1				1			1	1				
I-Nitrophenol	341	1	ug/Kg	U	YES							1				1				
Acenaphthene	341		ug/Kg	V	YES		. 1			{		1				l				
Acenaphthylene	341		ug/Kg	บ	YES			1			 1		;			1				

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Client Sample ID : E11-152-S2

Lab Report Batch : 31101915

Sample Date : 07/18/2011 Lab Sample ID: 31101915008 Analysis Type: RES

Reviewed By / Date :

Approved By / Date :

Lab ID : SGSW

Sample Matrix : SO

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overail Quai*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV CCV
Analysis Method : 8270D					Dilutio	on: 1								///////////////////////////////////////	. / /					
Anthracene	341		ug/Kg	U	YES		1			1		į	1		1 1				1	1
Benzo(a)anthracene	341		ug/Kg	U	YES							Ì			1					1
Benzo(a)pyrene	341		ug/Kg	U	YES		1						[1					1
Benzo(b)fluoranthene	341		ug/Kg	U	YES	1	1												1	1
Benzo(g,h,i)perylene	341		ug/Kg	ų į	YES												1		1	1
Benzo(k)fluoranthene	341		ug/Kg	U J	YES					1		1								
Bis(2-Chloroethoxy)melhane	341		ug/Kg	U	YES	1	1					[Ì	•••••		
Bis(2-Chloroelhyl)elher	341		ug/Kg	U	YES	ł	1													1
Bis(2-Chloroisopropyi)ether	341		ug/Kg	υ	YES														1	1
Bis(2-Ethylhexyl)phthalate	341		ug/Kg	U	YES						• • • • • • • • • •								1	1
Butyl benzyl phihalate	341		ug/Kg	U	YES										1 1		1			1
Chrysene	341		ug/Kg	U	YES		1													[
Dibenz(a,h)anthracene	341		ug/Kg	U	YES				1				1						1	1
Dibenzofuran	341	1	ug/Kg	U	YES												1		1	1
Diethyl phthalate	341]	ug/Kg	U	YES											1				1
Dimethyl phthalate	341	1	ug/Kg	υ	YES			1		:			1			1				
Di-n-butyl phihalate	341		ug/Kg	U	YES							1	1			1				1
Di-n-octyl phihalate	341		ug/Kg	U	YES	1		1	1		1	1]							1
Fluoranthene	341		ug/Kg	U	YES		1	1	1			1				1	1			1
Fluorene	341		ug/Kg	U	YES			1	1	1						Ì				1
Hexachlorobenzene	341		ug/Kg	U	YES								ł			i				1
Hexachlorobutadiene	341	1	ug/Kg	U	YES	1	1		1			1	1		1				E	
lexachlorocyclopentadiene	341		ug/Kg	U	YES		1	1			1	1	1	1		Ì	1			
Hexachloroethane	341		ug/Kg	υ	YES	·····	i	·`	·····			·····i					 			1
ndeno(1,2,3-cd)pyrene	341		ug/Kg	U	YES		·····i·	ì		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			4			ii	·····			
sophorone	341		ug/Kg	U	YES				1	 I		i 	i		1	1	·····			1

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

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 Report Date:
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Client Sample ID : E11-152-S2

Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

Sample Date : 07/18/2011 Lab Sample ID: 31101915008

Reviewed By / Date :							Арр	roved	I By /								••••••	• • • •		
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	Field QC	Tune	IC	icv	CV / CCV
Analysis Method : 8270D					Diluti	on: 1														
Naphthalene	341	1	ug/Kg	υ	YES				1	1		1	1		1		1			1
Nitrobenzene	341		ug/Kg	U	YES				1		} }	}			1		1		1	 F
n-Nitrosodi-n-propylamine	341		ug/Kg	Ų	YES				1		: }			·	1		1			1
Pentachlorophenol	341		ug/Kg	Ų	YES	UJ	}	: 		UJ			: 		1		1		1	1
Phonanlhrene	341		UD/Kg	U U	YES				` 		: 				1					1
Phenol	341		ug/Kg	U	YES			: 	 	 I	:]	1					·		1	i
Pyrene	341		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 10:38		Page 137 of 182
* Overali result qualifier reflects summ	ation of qualifiers added during automaled data review and any qualifiers added manually for	categories not assessed by automated data	a review	

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Client Sample ID : E11-152-S3

Sample Date : 07/18/2011 Lab Sample ID: 31101915009 Lab Report Batch : 31101915 Analysis Type: RES Lab ID : SGSW Sample Matrix : SO ۰.

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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	CV / CCV
Analysis Method : 6010C					Dilutio	on: 1				************										
Arsenic	1.67		mg/kg		YES				1	[1			1					1	1
Barium	62.8		mg/kg		YES	J				1	3		1						1	1
Cadmium	0.661		mg/kg		YES	U			ម										1	1
Chromium	3.05		mg/kg		YES	U			U		1									1
Lead	4.78		mg/kg		YES	J					J	J	1	;	1				1	1
Selenium	2.18		mg/kg	U	YES					1					1				1	1
Silver	1.09		mg/kg	U	YES					1									1	I
Analysis Method : 7471B				•	Dilutio	n: 1						• • • • • • • • • • •	•••••••							
Mercury	0.0222		mg/kg	υ	YES														1	
Analysis Method : 8081					Dilutio	n:1														
4,4'-DDD	10.3		ug/Kg	U	YES	-								}					1	1
4,4'-DDE	10.3		ug/Kg	U	YES														1	1
4,4'-DDT	10.3	ļ	ug/Kg	U	YES					}							1			
Aldrin	10.3		ug/Kg	U	YES	1	1													1
alpha-BHC	10.3	1	ug/Kg	U	YES		1													I
alpha-Chlordanc	10,3		ug/Kg	υ	YES			1			5									
oeta-BHC	10.3		ug/Kg	U	YES					1							1			
Chlordane	34.2	1	ug/Kg	U	YES	Į												• • • • • • • • •		1
felta-BHC	10.3	1	ug/Kg	U	YES		1		1				}							1
Dieldrin	10.3		ug/Kg	U	YES			1)									1
Endosulfan I	10.3		ug/Kg	U	YES						1						1			ł
Endosullan li	10.3	1	ug/Kg	U j	YES				1	· · · · · · · · · · · · · · · · · · ·						1				1
Endosulfan sulfate	10.3		ug/Kg	U	YES		1		1				1							1
Endrin	10.3		ug/Kg	U	YES			1			1					1				1
ndrin aldehyde	10.3		ug/Kg	υį	YES	1		1						·····						1
Endrin kelone	10.3		ug/Kg	U	YES		 	i	1		·····	 	1			:i 	·····			 [
amma-BHC (Lindane)	10.3		ug/Kg	U	YES		İ	Ì	j	ĺ	ļ	Ì								1
roject Number and Name: 11-032E	- 11-032E (Carroll Agent	Orange								Lih	ary Us	ed'	Camp(arroll					
DR 8.2	. H-OULL	-anon Agena	. Stange						-	ort Date		•		oamhe	anon				138 o	

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Client Sample ID : E11-152-S3

Sample Date : 07/18/2011 Lab Sample ID: 31101915009

Analysis Type: RES

Lab Report Batch : 31101915

Lab ID : SGSW Sample Matrix : SO

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Reviewed By / Date :

Approved By / Date :

Analysis Method : 8081 Dilution: 1 gama-Chlordan 10.3 upfkg U YES I	Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overali Qual*		нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	ю	ICV	CV / CCV
Hepizchior 10.3 ug/kg U YES I	Analysis Method : 8081					Diluti	on: 1														
Heptachtor epolde 10.3 ug/kg U YES I </td <td>gamma-Chlordane</td> <td>10.3</td> <td></td> <td>ug/Kg</td> <td>υ</td> <td>YES</td> <td></td> <td>í </td> <td></td> <td> </td> <td> </td> <td>1</td> <td> </td> <td>1</td> <td>1</td> <td> </td> <td></td> <td></td> <td></td> <td>1</td> <td>1</td>	gamma-Chlordane	10.3		ug/Kg	υ	YES		í				1		1	1					1	1
Methosychlor 10.3 ug/kg U YES I	Heptachlor	10.3		ид/Кд	U į	YES					1									1	[
Toxaphene 34.2 ug/kg U YES I	Heptachlor epoxide	10.3		ug/Kg	U	YES					1		1							1	1
Analysis Method : 8151 Dilution: 1 2.4.5 T 0.0169 mg/kg U YES I <td< td=""><td>Methoxychlor</td><td>10.3</td><td></td><td>ug/Kg</td><td>U</td><td>YES</td><td></td><td>1</td><td></td><td> </td><td> </td><td>1</td><td>}</td><td> </td><td> </td><td> </td><td></td><td> </td><td></td><td>1</td><td>1</td></td<>	Methoxychlor	10.3		ug/Kg	U	YES		1				1	}							1	1
2.4.5.T 0.0169 mg/kg U YES I	Toxaphene	34.2		uq/Kg	U	YES						{								1	1
2.4.5-TP (Silvex) 0.0165 mg/kg U YES UJ I UU I <	Analysis Method : 8151					Dilutio	on: 1														
2.4-O 0.0169 mg/kg U YES U I UU I	2,4,5-T	0.0169		mg/kg	U	YES										}				1	1
2.4-DB 0.0169 mg/kg U YES I	2,4,5-TP (Silvex)	0.0169		mg/kg	νį	YES	UJ					0.00	1								[
Dicamba 0.0169 mg/kg U YES I <thi< th=""> <thi< th=""> <thi< th=""></thi<></thi<></thi<>		0.0 (69		mg/kg	U	YES	LU					UJ	1							1	1
Analysis Method : 8260B Dilution: 1 1,1,2-Teirachloroethane 4.63 ug/Kg U YES I </td <td>2,4-DB</td> <td>0.0169</td> <td></td> <td>mg/kg</td> <td>u</td> <td>YES</td> <td></td> <td> </td> <td> </td> <td> </td> <td></td> <td></td> <td>}</td> <td></td> <td> </td> <td> </td> <td></td> <td>1</td> <td></td> <td>1</td> <td>1</td>	2,4-DB	0.0169		mg/kg	u	YES							}					1		1	1
1,1,2-Tetrachioroethane 4.63 ug/Kg U YES I	Dicamba	0.0169		mg/kg	U	YES												1		1	1
1,1-Trichloroethane 4.63 ug/Kg U YES I <th< td=""><td>Analysis Method : 8260B</td><td></td><td></td><td></td><td></td><td>Dilutic</td><td>n: 1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	Analysis Method : 8260B					Dilutic	n: 1														
1,1,2,2-Tetrachloroethane 4,63 ug/Kg U YES I	1,1,1,2-Tetrachloroethane	4.63		ug/Kg	υ	YES			i								1			1	
1,1,2.Trichloroothane 4.63 ug/Kg U YES I <	1,1,1-Trichloroethane	4.63		ug/Kg	U	YES											1			1	1
1.1-Dichloroelhane 4.63 ug/Kg U YES I	1,1,2,2-Tetrachloroethane	4.63		ug/Kg	บ	YES		1	1	I		i)			1
1.1-Dichloroethene 4.63 ug/Kg U YES I	1,1,2-Trichloroethane	4.63		ug/Kg	U	YES		1			ļ]				ĺ			•••••		
1.1-Dichloroethene 4.63 ug/Kg U YES I	1,1-Dichloroelhane	4.63	Ĩ	ug/Kg	U	YES]	1									1
2.3-Trichlorobenzene 4.63 ug/kg U YES I <t< td=""><td></td><td>4.63</td><td>;</td><td>ug/Kg</td><td>υį</td><td>YES</td><td></td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td>1</td><td> </td><td></td><td> </td><td> </td></t<>		4.63	;	ug/Kg	υį	YES											1				
2.3-Trichloropropane 4.63 ug/Kg U YES I <t< td=""><td>1,1-Dichloropropene</td><td>4.63</td><td>Ì</td><td>ug/Kg</td><td>U</td><td>YES</td><td>1</td><td>1</td><td> </td><td> </td><td> </td><td> </td><td> </td><td>]</td><td> </td><td></td><td>1</td><td>1</td><td></td><td>1</td><td>1</td></t<>	1,1-Dichloropropene	4.63	Ì	ug/Kg	U	YES	1	1]			1	1		1	1
2.4-Trichlorobenzene 4.63 ug/Kg U YES U <t< td=""><td>1,2,3-Trichlorobenzene</td><td>4,63</td><td></td><td>ug/Kg</td><td>U</td><td>YES</td><td> </td><td> </td><td> </td><td> </td><td></td><td> </td><td> </td><td> </td><td></td><td>1</td><td> </td><td>(</td><td></td><td> </td><td>1</td></t<>	1,2,3-Trichlorobenzene	4,63		ug/Kg	U	YES										1		(1
2.4-Trimethylbenzene 4.63 ug/Kg U YES UJ UJ UJ I <	i,2,3-Trichloropropane	4.63	Ì	ug/Kg	U	YES					}	[1								1
2-Dibromo-3-chloropropane 27.8 ug/Kg U YES I	,2,4-Trichlorobenzene	4.63	ļ	ug/Kg	U	YES	UJ]			1	1	UJ	ļ]				1
2-Dibromoethane 4.63 ug/Kg U YES I <td>,2,4-Trimethylbenzene</td> <td>4 63</td> <td>1</td> <td>ug/Kg</td> <td>υį</td> <td>YES</td> <td>UJ</td> <td>1</td> <td> </td> <td>1</td> <td> </td> <td>UJ </td> <td>ļ</td> <td>1</td> <td> </td> <td></td> <td>1</td> <td> </td> <td></td> <td> </td> <td>1</td>	,2,4-Trimethylbenzene	4 63	1	ug/Kg	υį	YES	UJ	1		1		UJ	ļ	1			1				1
2-Dichlorobenzene 4.63 Ug/Kg U YES	,2-Dibromo-3-chloropropane	27.8		ug/Kg	U	YES			1]	1			1			1	1
2-Dichlorosthane 4.63 uu/kg U YES	,2-Dibromoethane	4.63	į	ug/Kg	U	YES					1	Į								1	1
2-Dichioroethane 4.63 ug/Kg U YES	,2-Dichlorobenzene	4.63	1	ug/Kg	U	YES	1				1	ĺ	1		ĺ						1
	,2-Dichloroethane	4.63	1	ug/Kg	U	YES				1			Ì	1							
	DR 8.2									Rer	ort Date	a 9/6/2	2011 10	38					Page	139 of	182

* 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 : E11-152-S3

Lab Report Batch : 31101915 Analysis Type: RES Lab ID : SGSW Sample Matrix : SO

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Sample Date : 07/18/2011 Lab Sample ID: 31101915009

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overall Qual*	Тетр	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	ю	ICV	CV CC\
Analysis Method : 8260B					Dilutio	n:1														
1,2-Dichloropropane	4.63		ug/Kg	U	YES				1						1					
1,3,5-Trimethylbenzene	4.63		ug/Kg	U	YES														1	1
1,3-Dichlorobenzene	4.63		ug/Kg	U	YES		1					\$							1	1
1,3-Dichloropropane	4.63		ug/Kg	U	YES	ļ	1												1	1
1,4-Dichlorobenzene	4.63		ug/Kg	U	YES										1 1					1
2,2-Dichloropropane	4.63		ug/Kg	U	YES															1
2-Butanone	23.2		ug/Kg	υ	YES		1													1
2-Chlorotoluene	4.63	1	ug/Kg	υ	YES		1													1
2-Hexanone	11.6		ug/Kg	U	YES	1	1						}		}					
4-Chiorololuene	4.63		ug/Kg	U	YES	1													1	1
4-isopropyitoluene	4.63	1	ug/Kg	U	YES										1		1			1
4-Methyl-2-pentanone	11.6	1	ug/Kg	U	YES		1			1]									1
Acelone	23.4	ĺ	ug/Kg	J	YES	L		1		J	3								1	
Benzene	4.63		ug/Kg	U	YES												1			1
Bromobenzene	4.63	1	ug/Kg	U	YES		1			}	1		1			1		• • • • • • • • • • • • • • • • • • • •		1
Bromochloromethane	4.63		ug/Kg	U	YES	1		1			1		1							1
Bromodichloromethane	4.63		ug/Kg	υ	YES			1					1		1					1
Bromoform	4.63	1	ug/Kg	υļ	YES			1							ſ				1	1
Bromomelhane	4,63	1	ug/Kg	υ	YES	ļ		ĺ	1		1	1	1			1	{			1
Carbon disulfide	4,63	[ug/Kg	U	YES	1	1	1	1	//////////////////////////////////////	}		1			1				1
Carbon tetrachloride	4.63		ug/Kg	U	YES		1	1	1							1				1
Chlorobenzene	4.63		ид/Кд	U	YES		1													1
Chloroethane	4.63		ug/Kg	U	YEG				ļ	ļ						1				[
Chloroform	4.63		ug/Kg	U	YES		Î		1		1					1				1
Chloromethane	4.63	1	ug/Kg	U	YES	Ì	·····	1			1					Ì	 			1
is-1,2-Dichloroethene	4.63	;	ug/Kg	υÍ	YES			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 10:38

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Client Sample ID : E11-152-S3

Lab Report Batch : 31101915

Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

Sample Date : 07/18/2011 Lab Sample ID: 31101915009

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Quai*	Temp	HT	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Fleid QC	Типе	IC	ICV	CV/ CCV
Analysis Method : 8260B					Dilutio	on: 1														
cis-1,3-Dichloropropene	4.63		ug/Kg	υ	YES		[1				1				}			1
Dibromochloromethane	4.63		ug/Kg	U	YES															1
Dibromomethane	4.63		ug/Kg	U	YES				}										1	1
Dichlorodifluoromethane	4.63		ug/Kg	υ	YES														1	1
Ethyl Benzene	4.63		ug/Kg	IJ,	YES															1
Hexachiorobutadiene	4.63		ug/Kg	U	YES	UJ				[ບມ							•		1
Isopropylbenzene (Cumene)	4.63		ug/Kg	Ų	YES															1
m,p-Xylene	9.26		ug/Kg	U	YES]					1
Methyl iodide	0.806	Ì	ug/Kg	J	YES										1					1
Methylene chloride	1.41		ug/Kg	J	YES	U			υ											
Naphihalene	4.63		ug/Kg	U	YES	UJ					ປປ									1
n-Butyibenzene	4.63	1	ug/Kg	U	YES	UJ					UJ				1		(
n-Propylbenzene	4.63	1	ug/Kg	U	YES						(1		[1		•••••	[
o-Xylene	4.63	1	ug/Kg	υ	YES]			
sec-Bulylbenzene	4.63		ug/Kg	U	YES	1	1				}			1	1					1
Styrene	4.63	į	ug/Kg	U	YES	IJ			1	{	UJ	1								1
lert-Bulyi methyl ether (MTBE)	4.63		ug/Kg	U	YES		1	1		1			1							
lert-Butylbenzene	4.63		ug/Kg	υ	YES			[1					1		
Tetrachloroethene	4.63		ug/Kg	U	YES	j]			1]	1]		1	1			1
Toluene	4.63		ug/Kg	U	YES		1	1	1	1	1	1								
rans-1,2-Dichloroethene	4.63		ug/Kg	U	YES				1	· · · · · · · ·	i	1								
rans-1,3-Dichloropropene	4.63	1	ug/Kg	υ	YES				1				1					1		ł
rans-1,4-Dichloro-2-butene	23.2		ug/Kg	U	YES	1	1	1					1				1	1		1
Frichioraelhene	4.63		ug/Kg	U	YES		ĺ	Ì		į	1	İ			i	1	 {	 		
Frichlorofluoromethane	4.63		ug/Kg	υ ;	YES	UJ	1	1	1	~~~~~	UJ	1		1		1				1
/inyl chloride	4.63	1	ug/Kg	U	YES		1	1				l	1			1				1
Analysis Method : 8270D					Dilutio	n: 1														
roject Number and Name: 11-032E	- 11-032E C	arroll Agent	Orange								Libi	ary Us	ed:	CampC	arroll					
DR 8.2									Por	ort Date		011 10						Daan	141 of	6 182



Client Sample ID : E11-152-S3

Lab Report Batch : 31101915

Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

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Sample Date : 07/18/2011 Lab Sample ID: 31101915009

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quaí	Rep Res	Overaଶ Qual*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	ıc	юv	CV / CCV
Analysis Method : 8270D		A / TA / AM / TA / TA / TA / TA / TA / T			Diluti	on: 1														
1,2,4-Trichlorobenzene	344		ug/Kg	U	YES		ł			1	į	-	1		1			{		1
1,2-Dichlorobenzene	344		ug/Kg	U	YES	1	1									•••••				1
1,3-Dichlorobenzene	344		ug/Kg	υ	YES														[1
1,4-Dichlorobenzene	344		ug/Kg	U	YES				.								:		1	F
2,4,5-Trichlorophenol	344		ug/Kg	υ	YES							1								1
2,4,6-Trichlorophenol	344		ug/Kg	U	YES	1	1				ĺ									1
2,4-Dichlorophenol	344		ug/Kg	U	YES									•••••						1
2,4-Dimethylohenol	344		ug/Kg	U	YES					[1					1
2.4-Dinitrotoluene	344		ug/Kg	υ	YES		······													1
2,6-Dinitrotoluene	344		ug/Kg	บ	YES	1	1	······			1								1	: }
2-Chioronaphihaiene	344		ug/Kg	U	YES		······· 				1									4
2-Chlorophenol	344		ug/Kg	υ	YES									•••••						
2-Methylnaphthalene	344		ид/Кд	U	YES	1	1	·····				•••••		• • • • • • • • • • •				•••••		
2-Methylphenol	344		ug/Kg	U	YES		<u>.</u>										·······			:
2-Nitroaniline	344		ug/Kg	U	YES	1		1	······································								······································			
2-Nitrophenol	344		ug/Kg	U	YES	1			1	 ا							: ا			
3 and/or 4-Methylphenol	344	Ì	ug/Kg	υ	YES				1											
3-Nitroaniline	344	İ	ug/Kg	υ	YES		i		i	`۱			Ì			· · · · · · · · · · · · · · · · · · ·	1			
4-Bromophenyl phenyl elher	344		ug/Kg	U	YES			·····	······	·····/			· · · · · · · · · · · · · · · · · · ·							1
I-Chioro-3-methyiphenol	344	·····	ug/Kg	U	YES							······					·····			1
4-Chloroaniline	344	·····	ug/Kg	U	YES	· • • • • • • • • • • • • • • • • • • •		·····			کر د د د د د د ا	· · · · · · · · · · · · · · · · · · ·	······				1			1
I-Chlorophenyl phenyl elher	344		ug/Kg	U	YES						······	·····		· · · · · · · · · · · · · · · · · · ·		:	··· ···			
I-Nitroaniline	344		ug/Kg	U	YES	·····		·····	i			· · · · · · · · · · · · · · · · · · ·	·····	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · ·	:			
-Nitrophenol	344		ug/Kg	υ	YES	·····i		 1			، ا	· · · · - · · · · · · · · · · · · · · ·	······		· · · · · · · · · · · · · · · · · · ·	i	 ا			
Acenaphihene	344	·····	ug/Kg	υ	YES	··· ··· · {· 	···· ··i·	i	:i		·····!	 1	······	·····		i	 ا			
Aconsphibylene	344		ug/Kg	υÌ	YES		· · · · · ·	ii	····· /		······ 	י ו		!! 		·····!	·······			

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange Library Used: CampCarroli ADR 8.2 Report Date: 9/6/2011 10:38

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Client Sample ID : E11-152-S3

Lab Report Batch : 31101915

Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

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Sample Date : 07/18/2011 Lab Sample ID: 31101915009

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overall Quai*	Temp	HT	MB	LCS	MS	Lab Dup	Surr		Moist Tot/Dis		Tune	IC	ICV	CV / CCV
Analysis Method : 8270D					Dilutio	on: 1														
Anthracene	344		ug/Kg	υ	YES						5	****								[
Benzo(a)anthracene	344		ug/Kg	υ	YES														}	1
Benzo(a)pyrene	344		ug/Kg	u	YES				[ţ			
Benzo(b)fluoranthene	344		ug/Kg	U	YES				1			1		}			í		1	1
Benzo(g,h,i)perylene	;344		ug/Kg	U j	YES	;			1					[1
Benzo(k)fluoranthene	344		ug/Kg	U į	YES															1
Bis(2-Chloroethoxy)methane	344		ug/Kg	U	YES				[1
Bis(2-Chloroethyl)ether	344		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	344		ug/Kg	υ	YES								(
Bis(2-Ethylhexyl)phthalate	344		ug/Kg	U	YES										·		ĺ			1
Bulyi benzyi phihalate	344		ug/Kg	U	YES	1]	1				1
Chrysene	344		ug/Kg	υ	YES	ĺ	1	1							1					1
Dibenz(a,h)anthracene	344		ug/Kg	U	YES					1	1						1			1
Dibenzofuran	344		ug/Kg	U	YES					l						1				1
Diethyl phlhalate	344		ug/Kg	U	YES		1	1												1
Dimelhyi phthalate	344		ug/Kg	U	YES		1			1			1				1			
Di-n-butyl phthalale	344		ug/Kg	U	YES	ļ		I	1	1		1	1							1
Di-n-octyl phthalate	344		ид/Кд	υį	YES	1]	I						· · · · · · · · · · · · · · · · · · ·	1				i · · ·
Fluoranthene	344		ug/Kg	ប	YES	· · · · · · · · · · · · · · · · · · ·		1	1			1								1
Fluorene	344		ug/Kg	V	YES		1	1	1		1	1	1		·····	i				1
Hexachlorobenzene	344		ug/Kg	U	YES	1	1			1	}	1								
Hexachlorobuladiene	344		ug/Kg	U	YES		1			1		Ì			······	······				
Hexachlorocyclopentadiene	344		ug/Kg	U	YES			1				1			······		·····			1
Hexachloroethane	344		ug/Kg	U	YES				1							1	·····			1
ndeno(1,2,3-cd)pyrene	344		ug/Kg	U	YES			1		 		Ì		i		·····i	 			1
sophorone	344		ug/Kg	υi	YES :				i		i 	·····		······				······		f.

 Project Number and Name:
 11-032E
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 ADR 8.2
 Report Date:
 9/6/2011
 10:38

Client Sample ID : E11-152-S3 Sample Date : 07/18/2011

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Lab Sample ID: 31101915009

Reviewed By / Date :

Lab Report Batch : 31101915 Analysis Type: RES Lab ID : SGSW Sample Matrix : SO

Approved By / Date : Uncertainty / Result Lab Rep Overall Lab Rep Moist Field

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	Field QC	Tune	ic	ICV	CV/ CCV
Analysis Method : 8270D				104 T. No. 20	Diluti	on:1														
Naphthalene	344		ug/Kg	U	YES	:				1	1				1	******				1
Nilrobenzene	344		ug/Kg	Ų	YES														1	1
n-Nitrosodi-n-propylamine	344		ug/Kg	υ	YES		1					}			1				1	
Pentachlorophenol	344		ug/Kg	U	YES	ບມ				UJ	1	}			1 (1		1
Phenanthrene	344		ug/Kg	U	YES						1				1		••••••			Ì
Phenol	344		ug/Kg	ບ	YES														1	1
Pyrene	344		ug/Kg	U	YES		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 10:38		Page 144 of 182
* Overall result qualifier reflects summa	tion of qualifiers added during automated data review and any qualifiers added manually for cal	egories not assessed by automated data	review	

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Client Sample ID : E11-153-S1

Sample Date : 07/18/2011 Lab Sample ID: 31101915010 Lab Report Batch : 31101915 Analysis Type: DL Lab ID : SGSW Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

| Result | Error | Result
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 Page 145 of 182

Client Sample ID : E11-153-S1

Lab Report Batch : 31101915 Analysis Type: DL

Lab ID : SGSW Sample Matrix : SO

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Sample Date : 07/18/2011 Lab Sample ID: 31101915010

Reviewed By / Date :				•••••			App	rovec	l By /	Date :	:									
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Endrin aldehyde	51.8		ug/Kg	U	YES	1			1		1				1		1	}	1	
Endrin aldehyde	51.8		ug/Kg	υ	YES				1	1	ì	1							1	[
Endrin ketone	51.8		ug/Kg	U	YES					1		1			1					1
Endrin ketone	51.8		ug/Kg	U	YES		1		1		1	}			1				1	1
gamma-BHC (Lindane)	7.68		ug/Kg	J	YES	[1			(1	1
gamma-BHC (Lindane)	7.68		ug/Kg	J	YES						1				1				1	1
gamma-Chiordane	51.8		ug/Kg	υ	YES						(1	1
gamma-Chlordane	51.8		ug/Kg	υ	YES								1							
Heptachlor	51.8		ug/Kg	U	YES							}	1							1
Heplachlor	51.8	1	ug/Kg	U	YES						ļ					•••••			1	
Heptachlor epoxide	51.8		ug/Kg	U	YES	1	1					!								
Heplachlor epoxide	51.8		ug/Kg	U	YES		1													
Methoxychlor	51.8		ug/Kg	U	YES						1								1	1
Methoxychior	51.8		ug/Kg	u	YES	1							[1		1	1
Toxaphene	172		ug/Kg	U	YES		 													
Toxaphene	172		ug/Kg	U	YES		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 10:38		Page 146 of 182
* Overall result qualifier reflects summ	nation of qualifiers added during automated data review and any qualifier	added manually for categories not assessed by automated dat	a review	

5541

Client Sample ID : E11-153-S1

Sample Date : 07/18/2011 Lab Sample ID: 31101915010 Analysis Type: RES

Lab Report Batch : 31101915

Lab ID : SGSW Sample Matrix : SO

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overati Qual*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	юv	CV. CC\
Analysis Method : 6010C					Diluti	on: 1													,,,	
Arsenic	9.04		mg/kg		YES					1	1	1	1				1		1	1
Barium	108		mg/kg		YES	J	1				J		1	Į					1	1
Cadmium	1.17		mg/kg		YES	;						1	l	ĺ			1		1	1
Chromium	4.60		mg/kg		YES	÷				1		1								1
Lead	17.6		mg/kg		YES	Э				I	J]	1						1	I
Selenium	2.01		mg/kg	υ	YES		1						1						1	1
Silver	1.01		mg/kg	ម	YES						}		1						1	
Analysis Method : 7471B					Diluti	on: 1							••••••				•••••			
Mercury	0.00402		mg/kg	J	YES								1	1					1	1
Analysis Method : 8151					Diluti	on:1														
2,4,5-T	0.0176		mg/kg	U	YES		1				1								1	1
2,4,5-TP (Silvex)	0.0176		mg/kg	U	YES	υJ	Ī				UJ		1						1	1
2,4'-D	0,0176	ĺ	mg/kg	υ	YES	UJ					ບມ	Ì								1
2,4-DB	0.0176		mg/kg	U	YES		1	1											1	Î
Dicamba	0.0176	1	mg/kg	U	YES						.								1	1
Analysis Method : 8260B					Dilutio	on: 1														
1,1,1,2-Tetrachloroethane	4.18		ug/Kg	υ	YES	1											}		1	1
1,1,1-Trichloroethane	4.18		ug/Kg	U	YES	1	1	1		1						1				1
,1.2,2-Telrachloroethane	4.18		ug/Kg	V	YES		1	1							1					
1,2-Trichloroethane	4.18		ug/Kg	υ	YES			l							Ì				1	
,1-Dichloroethane	4.18	1	ug/Kg	U	YES	1	1]	1								ļ		1	1
,1-Dichloroethene	4.18	1	ug/Kg	U	YES	1	1	1	1	1									1	1
,1-Dichloropropene	4.18		ug/Kg	υ	YES			1		1						1	(1
,2,3-Trichlorobenzene	4.18		ug/Kg	υ	YES		1	1]						1					1
,2,3-Trichloropropane	4.18		ug/Kg	U	YES	1							1						1	ŧ
,2,4-Trichlorobenzene	4.18	1	ug/Kg	U	YES	υJ	1	1	1		ບມ						 		1	1
2,4-Trimelhylbenzene	4.18	·····	ug/Kg	U	YES	UJ	i	·····	i	i	υJ	·i		·i						1

5542

Client Sample ID : E11-153-S1

Sample Date : 07/18/2011

Lab Sample ID: 31101915010

Reviewed By / Date :

Analysis Type: RES

Lab Report Batch : 31101915

Lab ID : SGSW Sample Matrix : SO

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Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overali Qual*	Temp	нт	МВ	LCS	MS	£ab Dup	Surr		Moist Tot/Dis		Tune	IC	ICV	CV / CCV
Analysis Method : 8260B					Diluti	on: 1				A / 104/108/1011/1000										
1,2-Dibromo-3-chloropropane	25.1		ug/Kg	U	YES										1		I I		1	
1.2-Dibromoelhane	4,18		ug/Kg	U	YES		ļ						1		1					1
1,2-Dichlorobenzene	4.18		ug/Kg	U	YES							1		}			1			1
1,2-Dichloroethane	4.18		ug/Kg	U	YES												I i			1
1,2-Dichloropropane	4.18		ug/Kg	U	YES	1	1												1	
1,3,5-Trimethylbenzene	4.18		ug/Kg	U į	YES															[
1,3-Dichlorobenzene	4.18		ug/Kg	υ	YES										I					1
1,3-Dichloropropane	4.18		ug/Kg	U	YES															1
1,4-Dichlorobenzene	4.18		ug/Kg	U	YES	1														1
2,2-Dichloropropane	4.18		ug/Kg	U	YES	1	1			1							Í			1
2-Bulanone	6.13		ug/Kg	J	YES	J				1	J		L					•••	1	1
2-Chlorotoluene	4.18		ug/Kg	U	YES	1	1									1	1			1
2-Hexanone	10.5		ug/Kg	U	YES		1			1		1			1					1
4-Chiorololuene	4.18		ug/Kg	U	YES			1				1								1
4-Isopropytoluene	4.18	ļ	ug/Kg	U	YES	Ì	1	I	1					١		1	1			1
4-Melhyl-2-pentanone	10.5		ug/Kg	U	YES			1	I	1						1	1			1
Acetone	23.1	1	ug/Kg	L	YES	J				J	J	1	J		1					1
Benzene	4.18	1	ug/Kg	U	YES			1	1	Ì]	1	1							1
Bromobenzene	4.18		ug/Kg	υį	YES	1	1	1	1	1		1	1			1	1			1
Bromochloromethane	4.18		ug/Kg	V	YES		1	1	1	1		1	1			1	1			1
Bromodichloromethane	4.18		ug/Kg	U	YES	1	1	1	1	1	1	1		1		I		 		1
Bramoform	4.18		ug/Kg	U į	YES	1	1	1	1		1	1			ł	1		1		1
Bromomethane	4.18		ug/Kg	U	YES		1	1	1	1		I	}	1		1	1	1		
Carbon disulfide	4,18	-	ug/Kg	υ	YES			1		1						1	1			1
Carbon tetrachloride	4.18		ug/Kg	υ	YES	}					1	Ì				1	1			1
Chlorobenzene	4,18		ug/Kg	U	YES		1	1	1		1	1	1			Ì	1	1		1

 Project Number and Name:
 11-032E
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 CampCarroll

 ADR 8.2
 Report Date:
 9/6/2011 10:38

Client Sample ID : E11-153-S1

Sample Date : 07/18/2011 Lab Sample ID: 31101915010 Lab Report Batch : 31101915 Analysis Type: RES Lab ID : SGSW Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quat	Rep Res	Overall Quai*	Temp	HT	мв	LCS	MS	Lab Dưp	Surr	Rep Limit	Moist Tot/Dis		Tune	10	ICV	CV / CCV
Analysis Method : 8260B			,		Dilutio	on: 1														••••••
Chloroethane	4.18		ug/Kg	U	YES					1	i .	1	1	ļ						1
Chloroform	4.18		ug/Kg	Ų	YES]	1								1
Chioromethane	4.18		ug/Kg	U	YES					1									1	1
cis-1,2-Dichloroethene	4.18		ug/Kg	Ų	YES		I		1						1				1	1
cis-1,3-Dichloropropene	4.18		ug/Kg	U	YES							1		}			1			Ì
Dibromochloromethane	4.18		ug/Kg	υ	YES		1				1	1					[1
Dibromomethane	4.18		ug/Kg	U	YES		1				1						f			1
Dichlorodifluoromethane	4.18		ug/Kg	U	YES	{													1	1
Ethyl Benzene	4.18		ug/Kg	U	YES							1		l					1	1
Hexachiorobutadiene	4.18		ug/Kg	υ	YES	UJ					UJ	1					1			1
(sopropylbenzene (Cumene)	4.18		ug/Kg	U	YES	1	1								1 1					1
m,p-Xyiene	8.36		ug/Kg	U	YES														1	1
Methyl lodide	1.41		ug/Kg	J	YES	J					••••		J	••••					1	i,
Methylene chloride	1.65		ug/Kg	J	YES	UJ (1	1	υļ				J							1
Naphthalene	4.18		ug/Kg	U	YES	UJ					UJ					1	 		1	1
n-Butylbenzene	4.18		ug/Kg	ប	YES	UJ	1				υJ		1			l				
n-Propylbenzene	4.18		ug/Kg	U	YES	1	1		1				{				1			1
o-Xylene	4.18		ug/Kg	U	YES		l	1		}						}				1
sec-Butylbenzene	4.18	1	ug/Kg	υ	YES	l	····· .								···· · · ·		 			1
Styrene	4.18		ug/Kg	U	YES	IJ	1		1		IJ					ii	 			1
ert-Butyl methyl ether (MTBE)	4.18	1	ug/Kg	U	YES			1	1	1			· · · · · · · · · · · · · · · · · · ·				 			
ert-Butylbenzene	4.18		ug/Kg	U	YES) 				····· ····					 		· · · · · · · · · · · · · · · ·	f
fetrachloroethene	4.18		ug/Kg	υ	YES		······	1	·····		· · · · · · · · · · · · · · · · · · ·						······			1
foluene	4.18		ug/Kg	U	YES		1	·i	1			 				·····	·····			1
rans-1,2-Dichtoroethene	4.18		ug/Kg	U	YES					1	 		·····			·····				1
rans-1,3-Dichloropropene	4.18		ug/Kg	U	YES				·····			······			·····	·····	••••••	·····!		

 Project Number and Name:
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 Carroll Agent Orange
 Library Used:
 CampCarroll

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Client Sample ID : E11-153-S1

Reviewed By / Date :

Lab Report Batch : 31101915

Analysis Type: RES

Sample Date : 07/18/2011

Lab Sample ID: 31101915010

Approved By / Date :

Lab ID ; SGSW

Sample Matrix : SO

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overati Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tet/Dis	Field QC	Tune	IC	ICV	CV CCV
Analysis Method : 8260B					Diluti		······													
trans-1,4-Dichloro-2-butene	20.9		ug/Kg	u	YES				1								1		1	1
Trichloroethene	4.18		ug/Kg	U	YES		1											•••••		·····
Trichlorofluoromethane	4.18		ug/Kg	υ	YES	υJ			[មរ									1
Vinyl chloride	4.18		ug/Kg	U	YES				1		1			••••••						1
Analysis Method : 8270D		•••••			Dilutio	on: 1						*****								
1,2,4-Trichlorobenzene	355		ug/Kg	Ų	YES					1	{]						1	1
1,2-Dichlorobenzene	355		ug/Kg	U	YES															1
1,3-Dichlorobenzene	355		ug/Kg	U	YES															1
1,4-Dichlorobenzene	355		ug/Kg	υ	YES					[1
2,4,5-Trichlorophenol	355		ug/Kg	υ	YES															1
2,4,6-Trichlorophenol	355		ug/Kg	U	YES															:
2,4-Dichlorophenol	355		ug/Kg	υ	YES						1		····· /	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		······································		••••••	1
2,4-Dimelhylphenol	355		ug/Kg	U	YES							······					ا			1
2,4-Dinitrotoluene	355		ug/Kg	U	YES		1				······	 	1					····· ·		1
.6-Dinitrotoluene	355		ug/Kg	U	YES					······		·····	·· · · · ·	····· 	·····		 	······		1
-Chiorenophthaiene	355		ug/Kg	U	YES					· · · · · · · · · · · · · · · · · · ·		····· · · · · · · · · · · · · · · · ·	······	• • • • • •	· · · · · · · · · · · · · · · · · · ·		، ا	، ا		1
-Chiorophenol	355		ug/Kg	U	YES					·····	·····	·····	 	i I	······ 					1
-Methylnaphthalene	355		ug/Kg	υ	YES			1		······	 	i I		i	·····			·····?		<u>.</u>
-Methylphenol	355		ug/Kg	U	YES					 		i I	 	·i		······	ئى ا	·····/	•••••	1
-Nitroaniline	355		ug/Kg	U	YES		·i	······	·····		i	······· 		1		·····	·	·····		1
Nitrophenol	355		ug/Kg	υ	YES		·····		 	 		······ 				· · · · · · · · · · · · · · · · · · ·	 1	······		!
and/or 4-Methylphenol	355		ug/Kg	U	YES	i	· · · · · · · · · · · · · · · · · · ·		·-····	 		······ 		·····	·····	· · · · · · · · · · · ·		····· '		1
Nitroaniline	355		ug/Kg	U	YES	i			1		·i.	·i		·}		·····i	······			1
-Bromophenyl phenyl ether	355		ug/Kg	U	YES				·····			······!			·····:		¹	·····/		
-Chloro-3-methylphenol	355	Î	ug/Kg	U	YES	······			······		·····			·	·····			······		! [
Chloreaniline	355		ug/Kg	v	YES	i	········	·'	·····	·····	····	 	······		·····'·	·····	 !	······ 	· · · · · · · · · · · · · · · · · · ·	: I
-Chlorophenyl phenyl ether	355	·····	ug/Kg	U	YES	••••••	·····							·!	·¦· 	·····i	······	, 	!! 	¦
	44.0205	Carroll Agen										ary Use		CampC			••••••			

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Client Sample ID : E11-153-S1 Sample Date : 07/18/2011

Lab Sample ID: 31101915010

Analysis Type: RES

Lab Report Batch : 31101915

Lab ID : SGSW Sample Matrix : SO

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Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overali Quai*	Тетр	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV CCN
Analysis Method : 8270D					Dilutio	on: 1														
4-Nitroaniline	355		ug/Kg	υ	YES				i											Ī
4-Nitrophenol	355		ug/Kg	U	YES]		•••••			1	1
Acenaphlhene	355		ug/Kg	U	YES									}					1	1
Acenaphthylene	355		ug/Kg	U	YES							•••••						• • • • • • • •	 	1
Anthracene	355		ug/Kg	U	YES														1	1
Benzo(a)anthracene	355		ug/Kg	U	YES							•••••					[1	1
Benzo(a)pyrene	355		ug/Kg	U	YES							•••••						•••••	1	1
Benzo(b)fluoranihene	355		ug/Kg	υ	YES			······			1								: 	i
Benzo(g,h,i)perylene	355		ug/Kg	U	YES														 I	1
Benzo(k)fluoranihene	355		ug/Kg	U	YES														/ 	
Bis(2-Chloroelhoxy)methane	355		ug/Kg	U	YES			·····		·									' 	1
Bis(2-Chloroethyl)ether	355		ug/Kg	U	YES													••••••	 I	1
Bis(2-Chloroisopropyl)ether	355		ug/Kg	U	YES				·····						1	 			·	:
Bis(2-Ethylhexyl)phlhalate	355		ug/Kg	υ	YES	1	1		·····											1
Butyl benzyl phthalate	355		ug/Kg	U	YES	1			 	{				÷						: I
Chrysene	355		uy/Ky	U	YES			Ì	1		 					······ 		i		:
Dibenz(a,h)anthracene	355		ug/Kg	U	YES		·····	 1			·····				·····		ا			!
Dibenzofuran	355	Ì	ug/Kg	U	YES						1					······	······			1
Diethyl phthalale	355	Ì	ug/Kg	Ų	YES	1			1	1			·····		· - · - · · · · · · · · · · · · · · · ·	i	 ا			!
Dimethyl phihalate	355		ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·		Ì		1		······							: F
Di-n-bulyi phthalate	355	1	ug/Kg	U	YES			1						i			·····	·····	· · · · · · · · · · · · · · · · · · ·	1
Di-n-oclyl phthafate	355		ug/Kg	U	YES			1	1	1	1	:i	····· /	!		: 				1
luoranihene	355	1	ug/Kg	U	YES					·····	 	i		····· /			·····			1
luorene	355		ug/Kg	U	YES		······		i	·····		i			·····		 1			:
łexachlorobenzene	355		ug/Kg	U	YES		ĺ	ii ii ii ii ii ii ii ii ii ii ii ii ii]	i i i i i i i i i i i i i i i i i i i	1			i	·····	i	·····	••••••••••••••••••••••••••••••••••••••	!! 	1
1exachlorobutadiene	355	1	ug/Kg	U	YES	••••••		 1	·····			؛ ا				· · · · · · · ·	 I	·····		1

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

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Report Date: 9/6/2011 10:38

Client Sample ID : E11-153-S1

Sample Date : 07/18/2011

Lab Sample ID: 31101915010

Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

Reviewed By / Date :							Арр	rovec	ł By /	Date :										
Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overali Qual*	l 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														
Hexachlorocyclopentadiene	355		ug/Kg	U	YES	1	1	1							1 1		1			1
Hexachlorcethane	355		ug/Kg	U	YES		1		1			1			1					1
Indeno(1,2,3-cd)pyrene	355		ug/Kg	U	YES						}	}		}	1					
Isophorone	355		ug/Kg	U	YES									1					1	1
Naphihaiene	355		uą/Kg	υ	YES		;]				1				1	
Nitrobenzene	355		ug/Kg	U	YES		1					1							 	
n-Nitrosodi-n-propylamine	355		ug/Kg	U	YES							}		1						1
Pentachlorophenol	355		ug/Kg	U	YES	IJJ				UJ									·	1
Phenanthrene	355		ug/Kg	U	YES															1
Phenol	355		ug/Kg	υ	YES										1				1	1
Pyrene	355		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 10:38	Pa
 Overall result qualifier reflects sum 	mation of qualifiers added during automated data review and any qualifiers adde	d manually for categories not assessed by automated dat	a review

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Client Sample ID : E11-153-S2

Sample Date : 07/18/2011 Lab Sample ID: 31101915011 Analysis Type: RES

Lab Report Batch : 31101915

Lab ID : SGSW Sample Matrix : SO

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Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overali Qual*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Molst Tot/Dis		Tune	IC	ICV	CV CC\
Analysis Method : 6010C					Diluti	on: 1														
Arsenic	4.51		mg/kg		YES				۱		1	1	1	1				1	1	1
Barium	123		mg/kg		YES	J				ł	(J			1	[1	1	F
Cadmium	0.935		mg/kg		YES	U	F		ប	1			F							1
Chromium	3.18		mg/kg		YES	U	1		U	1	1				1					1
Lead	9.33		mg/kg		YES	J	1				J	J			l				1	1
Selenium	2.18		mg/kg	υ	YES	ſ			[[Î
Silver	1.09		mg/kg	ប	YES					1										Ì
Analysis Method : 7471B					Diluti	on: 1														
Mercury	0.00301		mg/kg	J	YES	Į	1			1	1				1 i				1	1
Analysis Method : 8081					Dilutio	on: 1														
4,4'-DDD	10.2		ug/Kg	U	YES						1				1				1	1
1,4'-DDD	10.2		ug/Kg	U	YES	;				1							1		1	1
I,4-DDE	0.584		ug/Kg	JР	YES															1
I,4-DDE	0.584		ug/Kg	JP	YES	1											1		1	1
I,4'-DDT	2.11		ug/Kg	J	YES	U	1		U								ĺ			1
I,4'-DDT	2.11		ug/Kg	J	YES	U			υ									•••••		
Ndrin	10.2		ug/Kg	U	YES															1
Ndršn	10.2		ug/Kg	U	YES			······							1		÷ا		<u>-</u>	1
lpha-BHC	10.2	••••••	ug/Kg	υ	YES		i				1					······	·····		1	:
ipha-BHC	10.2		ug/Kg	U	YES		·····									i	·			;
Ipha-Chlordane	10.2		ug/Kg	υ	YES		······		······				1			·····i	······			1
lpha-Chlordane	10.2	Ì	ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·	1		: ا	: ا	·····i					ند ا		1	1
eta-BHC	10 2	1	ug/Kg	u i	YES	•••••			 	······	········	·i		·	·····		י ו		1	
ela-BHC	10.2		ug/Kg	U	YES			i		 }	·····						 		1	:
hlordane	34.0	·····	ug/Kg	υ	YES	•••••••		······		··	· 			·i				•••••	1	: 1
hlordane	34.0		ug/Kg	u	YES	!- 	 1	 1	'	<i>:</i>	·····				·····		 			¦
elta-8HC	10.2		ug/Kg	υ	YES	······;		······	······	!! ا	!! !	••••••	· · · · · · · · · · · · · · · · · · ·			i I	 			¦

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Client Sample ID :E11-153-S2 Sample Date :07/18/2011

Lab Sample ID: 31101915011

Lab Report Batch : 31101915 Analysis Type: RES Lab ID : SGSW Sample Matrix : SO

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Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overail Qual*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep £.Imit	Moist Tot/Dis		Tune	IC	ICV	CV/ CCV
Analysis Method : 8081					Diluti	วก: 1														
della-BHC	10.2		ug/Kg	U	YES				1		ţ	1							1	1
Dieldrin	10.2		ug/Kg	υ	YES															1
Dieldrin	10.2		ug/Kg	U	YES															1
Endosulfan I	10.2		ug/Kg	U	YES					1		1								1
Endosullan I	10 2		ug/Kg	u j	YES				1		1	1			l <u> </u>	ļ				1
Endosulfan II	10.2		ug/Kg	U	YES					I	1					1	i			1
Endosulfan II	10.2		ug/Kg	U	YES		1				[1
Endosulfan sulfate	10.2		ug/Kg	U	YES														1	1
Endosullan sulfale	10.2		ug/Kg	υ	YES															1
Endrin	10.2		ug/Kg	U	YES															I
Endrin	10.2		ug/Kg	U	YES							1					1			
Endrin aldehyde	10.2		ug/Kg	U	YES											1		:		1
Endrin aldehyde	10.2		ug/Kg	U	YES															
Endrin ketone	10.2		ug/Kg	U	YES												1			
Endrin ketone	10.2		ug/Kg	υļ	YES											1	1			1
gamma-BHC (Lindane)	10.2		ug/Kg	U	YES															1
gamma-BHC (Lindane)	10.2		ug/Kg	U	YES								1			1				1
gamma-Chlordane	10.2		ug/Kg	υį	YES		1				ļ									1
gamma-Chlordane	10.2		ug/Kg	υ	YES					1	Í				1		j			
teptachlor	10.2		ug/Kg	U	YES				[)					(1				1
Replachlor	10.2		ug/Kg	υ	YES	1	1		1				l	 		1				1
teptachlor epoxide	10.2		ug/Kg	υį	YES				1				l			1		1		1
leptachlor epoxide	10.2		ug/Kg	U	YES			1												1
Aelhoxychlor	10.2	ĺ	ug/Kg	U	YES												}			1
Aelhoxychior	10.2		ug/Kg	U j	YES	1	1			1		1	J			1	}			1
oxaphene	34.0	1	ug/Kg	U	YES	1	1	l	1			1	1	1		1	i	1	1	1

ADR 8.2 Report Date: 9/6/2011 10:38

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Client Sample ID : E11-153-S2

Lab Report Batch : 31101915

Analysis Type: RES

Sample Date : 07/18/2011 Lab Sample ID: 31101915011

Reviewed By / Date :

Approved By / Date :

Lab ID : SGSW

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Sample Matrix : SO

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overal Qual*		нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	ю	ICV	CV CCV
Analysis Method : 8081					Dilutio	m; 1														
Toxaphene	34.0	;	ug/Kg	Ų	YES		1	F	1	1		1	l	1					1	1
Analysis Method : 8151					Dilutio	on:1														
2,4,5-T	0.0173		mg/kg	U	YES					l.	ĺ		1				1		ł	ł
2,4,5-TP (Silvex)	0.0173		mg/kg	V	YES	UJ	1				UJ		1		;					1
2,4'-D	0.0173		mą/ką	U	YES	UJ	1	ł	I	1	UJ	1	1						1	1
2,4-DB	0.0173		mg/kg	υ	YES		1		1	1			l				}		1	1
Dicamba	0.0173		mg/kg	U	YES							1		1					I	1
Analysis Method : 8260B					Dilutic	on: 1														
1,1,1,2-Tetrachloroelhane	4.31		ug/Kg	U	YES		1						1						1	1
1,1,1-Trichloroelhane	4,31		ug/Kg	U	YES		1													
1,1,2,2-Tetrachloroethane	4.31		ug/Kg	U	YES		i	.					l						1	1
1,1,2-Trichloroethane	4.31		ug/Kg	υ	YES														1	1
1,1-Dichforoethane	4.31		ug/Kg	υ	YES		i													1
1,1-Dichloroethene	4.31		ug/Kg	U	YES														1	1
1,1-Dichloropropene	4.31		ug/Kg	U	YES														1	1
1,2,3-Trichlorobenzene	4.31		uy/Ky	U	YES		1													I
1,2,3-Trichloropropane	4.31		ug/Kg	U	YES		1						1							1
1,2,4-Trichlorobenzene	4.31	1	ug/Kg	U	YES	UJ	i [UJ				1					1
t,2,4-Trimethylbenzene	4.31		ug/Kg	U	YES	UJ					UJ						[1
1,2-Dibromo-3-chloropropane	25.9		ug/Kg	U	YES		1												1	1
1,2-Dibromoethane	4.31		ug/Kg	U	YES					1			1				1			I
1,2-Dichlorobenzene	4.31		ug/Kg	U	YES								1				1		1	1
,2-Dichloroethane	4.31		ug/Kg	U	YES				1						1					[
,2-Dichloropropane	4.31		ug/Kg	U	YES		1	1			1					1				1
,3,5-Trimethylbenzene	4.31		ug/Kg	U	YES		ĺ			1	}									1
,3-Dichtorobenzene	4.31	Ì	ug/Kg	U	YES								1	·····i				•••••		Ī
.3-Dichloropropane	4.31	. Í	ug/Kg	v	YES			·····									i			1
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Client Sample ID : E11-153-S2

Sample Date : 07/18/2011 Lab Sample ID: 31101915011 Lab Report Batch : 31101915 Analysis Type: RES Lab ID : SGSW Sample Matrix : SO

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Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Quai*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	1C	ICV	CV / CCV
Analysis Method : 8260B					Dilutio	on: 1														
1,4-Dichlorobenzene	4.31		ид/Кд	U	YES		1	~~~~		1		}	F							1
2,2-Dichloropropane	4.31		ug/Kg	U	YES		1								1				1	1
2-Butanone	1.45		ug/Kg	J	YES	J					J		J		1					1
2-Chlorotoluene	4.31		ug/Kg	U į	YES		1					1								1
2-Hexanone	10.8		ug/Kg	U	YES		1					{								1
4-Chlorotoluene	4.31		ug/Kg	U	YES		1	1												
4-Isopropyitoluene	4.31		ug/Kg	U	YES		1													
4-Methyl-2-pentanone	10.8		ug/Kg	U	YES															1
Acelone	8.46		ug/Kg	J	YES	J	1			3	J		J						1	1
Benzene	4.31		ug/Kg	U	YES		1	1		1		;								1
Bromobanzene	4.31		ug/Kg	U	YES			1												1
Bromochloromelhane	4.31		ug/Kg	U	YES	1									1 1	١				
Bromodichloromethane	4.31	ĺ	ug/Kg	υ	YES		1		1	1	i	1			1				1	1
Bromoform	4.31	1	ug/Kg	υį	YES			1				[1	1			I
Bromomethane	4.31	i	ug/Kg	U	YES)	1									I				
Carbon disulfide	4.31)	ug/Kg	U	YES		1		1		1		1		1					1
Carbon telrachloride	4.31		ug/Kg	Ų	YES		1	1	1	1	1		1		}					1
Chlorobenzene	4.31		ug/Kg	υį	YES		1	1	1	1]				1
Chloroethane	4.31		ug/Kg	U	YES	1	1	1								1	}			1
Chieroform	4.31		ug/Kg	U	YES		1		1				1			1				•
Chloromethan e	4.31		ug/Kg	U	YES			1	1		ļ		1							1
sis-1,2-Dichloroethene	4.31	į	ug/Kg	υį	YES	1		1	1	1	1				1					1
is-1,3 Dichloropropene	4.31	1	ug/Kg	υļ	YES	1	1									1	1			1
Dibromochloromethane	4.31		ug/Kg	V	YES							1				ĺ				•
Dibromomethane	4.31	ļ	ug/Kg	U	YES			1	1	1	1		1		1	Î				
Dichlorodiftuoromethane	4.31		ug/Kg	U	YES		1	1	1		····· · · · · · · · · · · · · · · · ·				··· · · · · · · · · · · · · · · · · ·	1				1

 Project Number and Name:
 11-032E
 11-032E
 CampCarroll

 ADR 8.2
 Report Date:
 9/6/2011
 10:38

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Client Sample ID :E11-153-S2

Sample Date : 07/18/2011

Lab Report Batch : 31101915 Analysis Type: RES Lab ID : SGSW Sample Matrix : SO

Lab Sample ID: 31101915011 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		Tune	IC	ICV	CV / CCV
Analysis Method : 8260B					Diluti	on: 1		•••••••••••••••••••••••••••••••••••••••	/											
Ethyl Benzene	4.31		ug/Kg	U	YES		1	I		1	1	1	1		1				1	1
Hexachlorobutadiene	4.31		ug/Kg	U	YES	LIJ					UJ									
Isopropylbenzene (Cumene)	4.31		ug/Kg	U	YES									5	1					1
m,p-Xylene	8.62		ug/Kg	U	YES							1	1							I
Methyl iodide	4.31		ug/Kg	V	YES							}	1							1
Methylene chloride	2.03		ug/Kg	J	YES	UJ			U	1	1		J		1 1		1			1
Naphlhalene	4.31		ug/Kg	U	YES	ປມ			•••••		UJ									
n-Bulybenzene	4.31	1	ug/Kg	U	YES	UJ			• • • • • • • • • • •		UJ									1
n-Propylbenzene	4.31		ug/Kg	U	YES															1
o-Xylene	4.31		ug/Kg	U	YES							1								1
sec-Bulylbenzene	4.31		ug/Kg	U	YES															
Styrene	4.31		ug/Kg	U	YES	UJ					UJ									1
terl-Butyl methyl ether (MTBE)	4.31		ug/Kg	U	YES					• • • • • • • • • •							 	1		1
tert-Butylbenzene	4.31		ug/Kg	υ	YES		1	1			·····									:
Tetrachloroelhene	4.31		ug/Kg	U	YES						1									1
Toluene	4 31	·····	ug/Kg	U	YES				1			1					·····	·····		
trans-1,2-Dichloroethene	4.31	1	ug/Kg	U	YES	1		· · · · · · · · ·			· · · · · · · · ·						····	· · · · · · · · · ·		
Irans-1,3-Dichloropropene	4.31	·····	ug/Kg	U	YES			1							ł		 			
trans-1,4-Dichloro-2-butene	21.6	į	ug/Kg	U	YES	1	1	1			1					1	/			
Trichloroethene	4.31		ug/Kg	V	YES		1	ĺ				1					·····			1
Trichlorofluoromethane	4.31	1	ug/Kg	U	YES	UJ	1	1			UJ			1			·····	· · · · · · · · · · · · · · · · · · ·		1
Vinyl chloride	4.31		ug/Kg	U	YES			1	1								1	1		1
Analysis Method : 8270D					Dilutio	n: 1														• • • • • • • •
1,2,4-Trichlorobenzene	336		ug/Kg	U	YES		1	-								1		1		
1,2-Dichlorobenzene	336		ug/Kg	υ	YES	1	1	1			•••••••	1	·····			1	·····	i		
I,3-Dichlorobenzene	336		ug/Kg	U	YES			Ī				i	·····	1		 1	i	1		
I,4-Dichlorobenzene	336		ug/Kg	U	YES	1		1	1			i			·····í	i	}	ĺ	·i	
	- 11-032E C	Correll Acces	<u></u>									ary Us		CampC						

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Client Sample ID : E11-153-S2

Sample Date : 07/18/2011 Lab Sample ID: 31101915011 Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overali Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV /
Analysis Method : 8270D					Diluti															
2,4,5-Trichlorophenol	336		ug/Kg	U	YES				1	F	l	1	1						1	1
2,4,6-Trichlorophenol	336		ug/Kg	υ	YES				••• <i>••</i> •••	1				1					1	1
2,4-Dichlorophenol	336		ug/Kg	U	YES					1		••••••) 	******]				1	1
2,4-Dimethylphenol	336		ug/Kg	U	YES									([1				 	1
2,4-Dinitrotaluene	336		ug/Kg	Ų	YES								[1	,			1	1
2,6-Dinitrololuene	336		ug/Kg	U	YES									: 			:		1	:
2-Chioronaphihalene	336		ug/Kg	U	YES		1			1				: 		•••••			1	:
2-Chlorophenol	336		ug/Kg	ย	YES											••••••				1
2-Methylnaphthalene	336		ug/Kg	U	YES		i	······		 	• • • • • • • • • •			•••••					/	1
2-Melhylphenol	336		ug/Kg	υ	YES			·····						•••••					<u>/</u>	!
2-Nitroaniline	336		ug/Kg	U	YES		;; 	······································			••••••									:
2-Nitrophenol	336		ug/Kg	U	YES		······ 1													:
3 and/or 4-Methylphenol	336		ug/Kg	U	YES															1
3-Nitroaniline	336		ug/Kg	U	YES									•••••		••••••				
4-Bromophenyl phenyl elher	336		ug/Kg	U	YES	1		Ì						•••••			·····			:
4-Chioro-3-melhylphenol	336		ug/Kg	U	YES									••••••			1			¦
I-Chloroaniline	336		цд/Кд	U	YES		•••••	 I	·····				1							
I-Chlorophenyl phenyl elher	336		ug/Kg	U	YES															
I-Nitroaniline	336	Ì	ug/Kg	U	YES				 	 			·····				· · · · · · · · ·			
I-Nitrophenol	336		ug/Kg	U	YES			i i i i i i i i i i i i i i i i i i i	f	· · · · · · · · · · · · · · · · · · ·	···· ··· ···				•••••					:
Acenaphthene	336		ug/Kg	U	YES	·····		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	······			• • • • • • • • •			·····			1
Acenaphthylene	336		ug/Kg	U	YES			î		······		······	····· /		1		· · · · · · · · · · · ·			1
Inihracene	336	·····	ug/Kg	U	YES		·····	1		·····/	i i i i i i i i i i i i i i i i i i i						······		· · · · · · · · · · · · · · · · · · ·	
Senzo(a)anihracene	336		ug/Kg	υ	YES	·····	·····/·	·····i			······	······		· · · · · · · · · ·		؛ 	 			 [
Senzo(a)pyrene	336	·····	ug/Kg	U	YES		····· · · · · · · · · · · · · · · · ·		·····/			·····				i				••••••
enzo(b)fluoranlhene	336		ug/Kg	υİ	YES	·····i·		4 1	· · · · · · /	··········	 i		····· /	·····		····· · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange Library Used: CampCarroll ADR 8.2 Report Date: 9/6/2011 10:38 Page 158 of 182



Client Sample ID : E11-153-S2

Sample Date : 07/18/2011 Lab Sample ID: 31101915011

Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

Reviewed By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overali Quai*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CV /
Analysis Method : 8270D					Dilut	ion: 1									• •					
Benzo(g.h.i)perylene	336		ug/Kg	U	YES					1	1	1					1			1
Benzo(k)fluoranlhene	336		ug/Kg	Ų	YES	1					1								1	1
Bis(2-Chloroethoxy)melhane	336		ug/Kg	υ	YES	; ;									1				1	1
Bis(2-Chloroelhyi)elher	336		ug/Kg	U	YES												1			:
Bis(2-Chloroisopropyt)ether	336		ug/Kg	U	YES															: [
Bis(2-Ethylhexyl)phthalate	336		ug/Kg	υ	YES												[[· · • ·	1	
Butyl benzyl phthalate	336		ug/Kg	U	YES	1						 							1	
Chrysene	336	Ì	ug/Kg	U	YES															<u>.</u>
Dibenz(a,h)anthracene	336		ug/Kg	U	YES										[]				1	:
Dibenzofuran	336		ug/Kg	υ	YES	1	· · · · · · · · · · · · · · · · · ·	·····	•••••					•••••					:	:
Diethyl phlhalate	336		ug/Kg	U	YES		1	 				: 							1	:
Dimelhyl phthalate	336		ug/Kg	U	YES		1					•••••								1
Di-n-bulyi phthalate	336		ug/Kg	υ	YES			·`												
Di-n-octyl phthalate	336		ug/Kg	U	YES	É I	 1	 		·····						••••••				
Fluoranlhene	336		ug/Kg	υ	YES	Ì									• • • • • • • • • • •		 			
luorene	336		ug/Kg	U	YES								·····/							
-lexachlorobenzene	336	1	ug/Kg	U	YES				······		······		1		·····		·····			
1exachlorobutadiene	336		ug/Kg	U	YES			······································	1		······	······	· · · · · · · · · · · · · · · · · · ·		;	····· ·				
-lexachlorocyclopentadiene	336		ug/Kg	υ	YES			1			 	··········		· · · · · · · · · · · · · · · · · · ·		······ 	·····			
fexachloroethane	336		ug/Kg	U	YES		·····	·····		·····	······						· · · · · · · · · · ·			
ndeno(1,2,3-cd)pyrene	336		ug/Kg	U	YES		1					·····	······/· }	······	' ! ا	······		· · · · · · · /		
sophorone	336		ug/Kg	υ	YES		·····	i i i i i i i i i i i i i i i i i i i	·····'				······	!	······	יייייי 		· · · · · · · · · · · · · · · · · · ·		
laphthalene	336	1	ug/Kg	U	YES	1		·····	/ 		· · · · · · · · · · · · · · · · · · ·			،، ا				· · · · ·		
litrobenzene	336		ug/Kg	U	YES		!. 	 1			······	<u>،</u>		! 	!. 	·'	 ا	<i>!</i> ا	!	
-Nilrosodi-n-propylamine	336		ug/Kg	υ	YES	1			·····		י! ו	י ו	· · · · · ·		·····!!.	····· ····	 ا	<i>!</i> ! 	<u>ا</u> ا	
enlachlorophenol	336	·····	ug/Kg	U İ	YES	LΩ	. !			UJ		۰۱	· · · · · · [.	!	· · · · · · · · · · · · · · · · · · ·	! 1	 1	'' I	l	•••••

Project Number and Name:	11-032E - 11-032E Carroll Agent Orange	Library Used:	CampCarroll	
ADR 8.2		Report Date: 9/6/2011 10:38		Page 159 of 182
 Overall result qualifier reflects summaries 	m horber stalileurs voe bre weives etch helemotus annuh hebbe stalileur to anitsa	anually for calegories not accorded by automated date	- review	

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Client Sample ID : E11-153-S2 Sample Date : 07/18/2011

Lab Sample ID: 31101915011

Lab Report Batch : 31101915

Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overati Qual*	Temp	тн	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	icv	cv <i>i</i> ccv
Analysis Method : 8270D					Diluti	on: 1														
Phenanthrene	336		ug/Kg	υ	YES	: 1											f I		1	F
Phenol	336		ug/Kg	ບ	YES										1				1	
Pyrene	336		ug/Kg	U	YES														1	1

Project Number and Name:	11-032E - 11-032E Carroll Agent Orange	Library Used:	CampCarroli
ADR 8.2		Report Date: 9/6/2011 10:38	Page 160 of
* Overall result qualifier reflects summ	alion of qualifiers added during automated data review and any qualifiers added manually for ca	iegories not assessed by automated data	review

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Client Sample ID : E11-153-S3

Sample Date : 07/18/2011 Lab Sample ID: 31101915012 Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overall Quai*		нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CCV CCV
Analysis Method : 6010C					Dilutio	on: 1														
Arsenic	4.50		mg/kg		YES		í l		ł		1	ł	1						[1
Barium	89.5		mg/kg		YES	J	i		1		J	1	1							1
Cadmium	0.804		mg/kg		YES	U			U	1		i							1	I
Chromium	4.71		mg/kg		YES												i		1	1
Lead	11.7		mg/kg		YES	1					J	J	1							1
Selenium	2.22		mg/kg	υ	YES					ļ		1	1				I			1
Silver	1.11		mg/kg	U	YES							1								1
Analysis Method : 7471B					Dilutic	n: 1														
Mercury	0.00400		mg/kg	J	YES		1				l	I	l						1	1
Analysis Method : 8081					Dilutio	n:1														
4,4'-DDD	10,4		ug/Kg	υ	YES						į						i I			1
1,4'-DDD	10.4		ug/Kg	U	YES		1												l	1
4,4'-DDE	1.42		ug/Kg	J	YES											,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1		1	I
4,4'-DDE	1.42	l	ug/Kg	J	YES							.					1		I	1
4,4'-DDT	2.44		ug/Kg	J	YES	Ų	1		υį											1
1,4'-ODT	2.44		ug/Kg	J	YES	U		1	υĮ											1
Aldrin	10.4		ug/Kg	Ų	YES															1
Aldrin	10.4		ug/Kg	U	YES	}]										I
lipha-BHC	10.4		ug/Kg	U	YES		1													1
alpha-BHC	10.4		ug/Kg	U	YES		1	1												[
lipha-Chiordane	10.4		ug/Kg	U	YES	1	1	1							· · · · · ·					1
Ilpha-Chlordane	10.4	ļ	ug/Kg	υ	YES	1				1				1						1
icle-BHC	10.4	1	ug/Kg	U	YES					1							1			1
ela-BHC	10.4	1	ug/Kg	U	YES		1		1	i					í		1			
Chlordane	34.6	i	ug/Kg	U	YES			1	1			1				1				
Chiordane	34.6	·····	ug/Kg	υ	YES		······		i]	1								1
lella-BHC	10.4		ug/Kg	U İ	YES			Ì												
roject Number and Name: 11-032	E - 11-032E (Carroll Agen	t Orange								Lib	rary Us	ed:	CampO	Carroli					
DR 8.2		-	•						Ren	ort Date		•		•				Pane	161 of	f 182

* 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

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Client Sample ID : E11-153-S3

Sample Date : 07/18/2011 Lab Sample ID: 31101915012

Analysis Type: RES

Lab Report Batch : 31101915

Lab ID : SGSW Sample Matrix : SO

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Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overail Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Sun		Moist Tot/Dis		Tune	łC	ICV	CV / CCV
Analysis Method : 8081					Dilutio	on: 1														
delta-BHC	10,4		ug/Kg	υ	YES									;					}	1
Dieldrin	10.4		ug/Kg	U	YES				1		Į	j		(1
Dieldrin	10.4		ug/Kg	U	YES							1	1		}				1	
Endosulfan I	10.4		ug/Kg	U	YES							(1						1	
Endosulfan i	10.4		ug/Kg	υ	YES			.	1				1						I	1
Endosulfan II	10.4		ug/Kg	U	YES		1												l	1
Endosulfan II	10.4		ug/Kg	U	YES		1							1					l	1
Endosulfan sulfate	10.4		ug/Kg	U	YES									1			}			1
Endosulfan sulfate	10.4		ug/Kg	U	YES	1						1				-	[[
Endrin	10.4		ug/Kg	U	YES								1							
Endrin	10.4		ug/Kg	U	YES															1
Endrin aldehyde	10.4		ид/Кд	Ų	YES		1			ļ							1			1
Endrin aldehyde	10.4		ug/Kg	U	YES					ł							i			1
Endrin kelone	10.4	ļ	ug/Kg	υį	YES										1	1				
Endrin ketone	10.4		ug/Kg	U	YES		1													
gamma-BHC (Lindane)	10.4		ug/Kg	U	YES		I	1	1							l				I.
gamma-BHC (Lindane)	10.4		ug/Kg	U	YES	1	l	1	1	. 1				1						1
gamma-Chlordane	10.4		ug/Kg	υ	YES	}				1			Ì				1			
gamma-Chlordane	10.4	Ì	ug/Kg	U j	YES	ļ				ĺ					1	1	i			l
Heplachior	10.4		ug/Kg	U	YES										}					1
Heplachlor	10.4	1	ug/Kg	U	YES		1	1								I				
Heplachlor epoxide	10.4		ug/Kg	U	YES			1	1				}			1				
Heptachlor epoxide	10.4	į	ug/Kg	U	YES	i			1	1]		}			I	1			1
Methoxychlor	10.4	1	ug/Kg	υ	YES		1		I	}	[1			1			
Melhoxychior	10.4	Ì	ug/Kg	U	YES		1	1				1			1		1			
Toxaphene	34.6	1	ug/Kg	U	YES	1	Ì	1		l		1	1		1	1	1	-		

Project Number and Name:	11-032E - 11-032E Carroll Agent Orange	Library Used:	CampCarroll
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Client Sample ID : E11-153-S3

Lab Report Batch : 31101915

Sample Date : 07/18/2011 Lab Sample ID: 31101915012 Analysis Type: RES

Lab ID : SGSW

-2

Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overal Qual*	ll Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	ſC	ICV	CV / CCV
Analysis Method : 8081					Dilutio	on: 1							•							
Toxaphene	34.6		ug/Kg	U	YES		1	1			1		1		1					I
Analysis Method : 8151					Dilutio	on: 1														
2,4,5-T	0.0175		mg/kg	U	YES			[1	1)	1						1	<u> </u>
2,4,5-T	0.0175		mg/kg	U	YES							1							1	1
2,4,5·TP (Silvex)	0.0175		mg/kg	υ	YES	UJ				I	UJ		1	1	1				1	1
2,4,5-TP (Silvex)	0.0175		mg/kg	U	YES	UJ	1				UJ				1		ļ		1	1
2,4'-D	0.0175		mg/kg	U	YES	UJ					UJ	1			l í		}		1	1
2,4'-D	0.0175		mg/kg	U	YES	UJ				1	i nî	1	1							1
2,4-DB	0.0175		mg/kg	U	YES							\$	1		i I					
2,4-DB	0.0175		mg/kg	υ	YES								1						1	1
Dicamba	0.0175		mg/kg	U	YES		1						1						1	1
Dicamba	0.0175		mg/kg	U	YES		1						1				1		1	
Analysis Method : 8260B					Dilutio	n: 1														
1,1,1,2-Tetrachloroethane	4.49		ug/Kg	U	YES															1
1,1,1-Trichloroelbane	4.49		ug/Kg	U	YES												ļ		1	1
1,1,2,2-Tetrachloroethane	4.49		ug/Kg	U	YES			1			1		1				{		1	1
1,1,2-Trichleroethane	4.49		ug/Kg	U	YES												ĺ		1	1
1,1-Dichloroethane	4.49	į	ug/Kg	U	YES		1													1
1,1-Dichloroethene	4.49		ug/Kg	U	YES		1													1
I,1-Dichloropropene	4.49		ug/Kg	U	YES		1 1												1	1
,2,3-Trichlorobenzene	4.49		ug/Kg	U	YES												1		1	1
i,2,3-Trichloropropane	4.49		ug/Kg	U	YE\$												1		1	
,2,4-Trichlorobenzene	4.49		ug/Kg	U	YES	υJ					UJ					1				
,2,4-Trimethylbenzene	4.49		ug/Kg	U	YES	ບຸ					UJ									
,2-Dibromo-3-chloropropane	27.0		ug/Kg	U	YES					1					1					
,2-Dibromoethane	4,49		ug/Kg	U	YES			1	1								1			
,2-Dichlorobenzege	4 49		на/Ка	0	YES		i İ	·`	· ، 	·····							1			••••
roject Number and Name: 11-032	E - 11-032E	Carroll Agen	t Orange								Lib	rary Us	ed;	CampO	arroll					
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5558

Client Sample ID : E11-153-S3

Sample Date : 07/18/2011 Lab Sample ID: 31101915012 Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

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Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overali Qual*		нт	мв	LCS	MS	Lab Dup	Surr		Molst Tot/Dis		Tune	IC	icv	CV/ CCV
Analysis Method : 8260B					Diluti	on: 1				<i></i>										
1,2-Dichloroethane	4.49		ug/Kg	U	YES								1	}						1
1,2-Dichloropropane	4.49		ug/Kg	U	YES									•••••	1 1		1			1
1,3,5-Trimethylbenzene	4.49		ug/Kg	U	YES										1					/ :
1,3-Dichlorobenzene	4.49		ug/Kg	U	YES										1					1
1,3-Dichloropropane	4.49		ug/Kg	U	YES										1				: 	1
1,4-Dichlorobenzene	4.49		ug/Kg	U	YES			1							 	·····			!	1
2,2-Dichloropropane	4.49		ug/Kg	U	YES				1							·····i		•••••	/••••• 	1
2-Bulanone	22.5		ug/Kg	υ	YES		1										·····	• • • • • • • • • • •	 I	1
2-Chlorololuene	4.4 9		ug/Kg	U	YES			··········	' ا	: ا						!			 I	1
2-Hexanone	11.2		ug/Kg	U	YES			Î		· · · · · · · · · · · · · · · · · · ·				••••••				••••		!
4-Chlorotoluene	4.49		ug/Kg	U	YES		1			·····	·i		······································					• • • • • • • • • • •	' 	1
4-isopropyitoluene	4.49	1	ug/Kg	υ	YES			1		 	······	·····				······			' 	!
4-Melhyi-2-pentanone	11.2	1	ug/Kg	U	YES		1	1			 		· /						' 	1
Acetone	3.50	1	ug/Kg	J	YES	J		 	1	J	J	יי- 	J			·i				1
Benzene	4.49	1	ug/Kg	U	YES		1	······	······		 	: 		·····			••••••••••••••••••••••••••••••••••••••			!
Bromobenzene	4,49		ug/Kg	U	YES		·····	 	······		 	 1	••••••	!	!-					
Bromochloromethane	4.49		ug/Kg	U	YES	1	· · · · · · · · · · · · · · · · · · ·	1	1		·····	1	······			1	יייייי. 		•••••	
Bromodichloromelhane	4.49		ug/Kg	U	YES			 	i			i	······		••••••		·····		•••••	!
Bromoform	4.49		ug/Kg	U	YES			······	······ 	i	······	i	·····		·····	····· · · · · · · · · ·				
Bromomelhane	4.49		ug/Kg	U	YES			Ì	1		·····	i	·····	·····i		· · · · · · · · · ·	 			
Carbon disulfide	4.49	1	ug/Kg	υĮ	YES		1		·····			····· ··· ·		·····i	· · · · · · · · · · · · · · · · · · ·	·····i	·····	· · · · · · · · · ·	؛ ! ا	:
Carbon tetrachioride	4.49		ug/Kg	υ	YES			· · · · · · · · · · ·	······	······	······	 1		!	· · · · · · · · · · · ·	· · · · · · · · ·	 	!! ا		: I
Chlorobenzene	4.49		ug/Kg	U	YES	····· · · · · · · · · · · · · · · · ·	·	i		 I	······· 1	······		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	····· 1			· · · · · · · · · · · · · · · · · · ·	
Chloroethane	4.49		ug/Kg	U	YES		·····	i i	·····		••••••••	<u>'</u>	······	······! 			ئ ا	!!	!! 	
Chloroform	4.49		ug/Kg	U	YES	···· ····			i	·····	· · · · · · · · · · · · · · · · · · ·	'' 1	·····	·····			······!	؛؛ ا		
Chloromethan a	4.49		ug/Kg	υ	YES			·····	i	·····	1	····· ¦	 I	·····!·	·····!·	·····	······	''	!	

 Project Number and Name:
 11-032E
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 CampCarroll

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 Report Date:
 9/6/2011
 10:38



Client Sample ID : E11-153-S3

Reviewed By / Date :

Sample Date : 07/18/2011

Lab Sample ID: 31101915012

Approved By / Date :

Lab ID : SGSW

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Sample Matrix : SO

Lab Report Batch : 31101915

Analysis Type: RES

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| | Result 4.49 4.49 4.49 <t< td=""><td>Result Error 4.49 </td><td>Result Fror Units 4.49 ug/Kg 4.49</td><td>Result Error Units Qual 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 2.32 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.4</td><td>Result Error Units Qual Res 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 <</td><td>Result Error Units Qural Res Qual* Dilution: 1 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 2.32 ug/Kg U YES UJ 4.49 ug/Kg U YES UJ 4.49 ug/Kg U YES UJ 4.49 ug/Kg U YES <t< td=""><td>Result Error Units Qual Res Qual* Temp 4.49 ug/Kg U YES <</td><td>Result Error Units Qual Res Qual Temp HT 4.49 ug/Kg U YES Image: Second</td><td>Result Error Units Qual Res Qual* Temp HT MB 4.49 ug/Kg U YES I I I 4.49 ug/Kg U YES I I I 4.49 ug/Kg U YES I I I 4.49 ug/Kg U YES I I I 4.49 ug/Kg U YES I I I 4.49 ug/Kg U YES I I I I 4.49 ug/Kg U YES I I I I 4.49 ug/Kg U YES I I I I 4.49 ug/Kg U YES I I I I 4.49 ug/Kg U YES I I I I 4.49 ug/Kg U YES UJ</td><td>Result Error Units Qual Res Qual* Temp HT MB LCS 4.49 ug/Kg U YES I</td><td>Result Error Units Qual Res Qual Temp HT MB LCS MS 4.49 ug/Kg U YES I
I I I I I I I I I I</td><td>Result Error Units Qual Res Qual* Temp HT MB LCS MS Dup 4.49 ug/Kg U YES I</td><td>Result Error Units Qual Res Qual* Temp HT MB LCS MS Dup Surr 4.49 Ug/Kg U YES I<!--</td--><td>Result Error Unik Qual Res Qual Temp HT MB LCS MS Dup Surr Limit 4.49 ug/Kg U YES I</td><td>Result Error Units Qual Res Qual* Temp HT MB LCS MS Dup Surr Limit TotDist 4.49 ug/Kg U YES I</td><td>Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit TotDIs QC 4.40 ug/Kq U YES I</td><td>Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit Totoble QC Tune 4.49 ug/kg U YES I</td><td>Result Error Uniks Qual Res Qual Temp HT MB LCS MS Dup Surr Limit TotDis QC Tune HC 4.49 ug/Kg U YES I</td><td>Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit Totals GC Tune KC ICV 4.49 Ug/Kq U YES I</td></td></t<></td></t<> | Result Error 4.49 | Result Fror Units 4.49 ug/Kg 4.49 | Result Error Units Qual 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49
 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 2.32 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.49 ug/Kg U 4.4 | Result Error Units Qual Res 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 < | Result Error Units Qural Res Qual* Dilution: 1 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 4.49 ug/Kg U YES 2.32 ug/Kg U YES UJ 4.49 ug/Kg U YES UJ 4.49 ug/Kg U YES UJ 4.49 ug/Kg U YES <t< td=""><td>Result Error Units Qual Res Qual* Temp 4.49 ug/Kg U YES <</td><td>Result Error Units Qual Res Qual Temp HT 4.49 ug/Kg U YES Image: Second</td><td>Result Error Units Qual Res Qual* Temp HT MB 4.49 ug/Kg U YES I I I 4.49 ug/Kg U YES I I I 4.49 ug/Kg U YES I I I 4.49 ug/Kg U YES I I I 4.49 ug/Kg U YES I I I 4.49 ug/Kg U YES I I I I 4.49 ug/Kg U YES I I I I 4.49 ug/Kg U YES I I I I 4.49 ug/Kg U YES I I I I 4.49 ug/Kg U YES I I I I 4.49 ug/Kg U YES UJ</td><td>Result Error Units Qual Res Qual* Temp HT MB LCS 4.49 ug/Kg U YES I</td><td>Result Error Units Qual Res Qual Temp HT MB LCS MS 4.49 ug/Kg U YES I</td><td>Result Error Units Qual Res Qual* Temp HT MB LCS MS Dup 4.49 ug/Kg U YES I</td><td>Result Error Units Qual Res Qual* Temp HT MB LCS MS Dup Surr 4.49 Ug/Kg U YES I
I I<!--</td--><td>Result Error Unik Qual Res Qual Temp HT MB LCS MS Dup Surr Limit 4.49 ug/Kg U YES I</td><td>Result Error Units Qual Res Qual* Temp HT MB LCS MS Dup Surr Limit TotDist 4.49 ug/Kg U YES I</td><td>Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit TotDIs QC 4.40 ug/Kq U YES I</td><td>Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit Totoble QC Tune 4.49 ug/kg U YES I</td><td>Result Error Uniks Qual Res Qual Temp HT MB LCS MS Dup Surr Limit TotDis QC Tune HC 4.49 ug/Kg U YES I</td><td>Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit Totals GC Tune KC ICV 4.49 Ug/Kq U YES I</td></td></t<> | Result Error Units Qual Res Qual* Temp 4.49 ug/Kg U YES < | Result Error Units Qual Res Qual Temp HT 4.49 ug/Kg U YES Image: Second | Result Error Units Qual Res Qual* Temp HT MB 4.49 ug/Kg U YES I I I 4.49 ug/Kg U YES I I I 4.49 ug/Kg U YES I I I 4.49 ug/Kg U YES I I I 4.49 ug/Kg U YES I I I 4.49 ug/Kg U YES I I I I 4.49 ug/Kg U YES I I I I 4.49 ug/Kg U YES I I I I 4.49 ug/Kg U YES I I I I 4.49 ug/Kg U YES I I I I 4.49 ug/Kg U
YES UJ | Result Error Units Qual Res Qual* Temp HT MB LCS 4.49 ug/Kg U YES I | Result Error Units Qual Res Qual Temp HT MB LCS MS 4.49 ug/Kg U YES I | Result Error Units Qual Res Qual* Temp HT MB LCS MS Dup 4.49 ug/Kg U YES I | Result Error Units Qual Res Qual* Temp HT MB LCS MS Dup Surr 4.49 Ug/Kg U YES I </td <td>Result Error Unik Qual Res Qual Temp HT MB LCS MS Dup Surr Limit 4.49 ug/Kg U YES I</td> <td>Result Error Units Qual Res Qual* Temp HT MB LCS MS Dup Surr Limit TotDist 4.49 ug/Kg U YES I</td> <td>Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit TotDIs QC 4.40 ug/Kq U YES I</td> <td>Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit Totoble QC Tune 4.49 ug/kg U YES I</td> <td>Result Error Uniks Qual Res Qual Temp HT MB LCS MS Dup Surr Limit TotDis QC Tune HC 4.49 ug/Kg U YES I</td> <td>Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit Totals GC Tune KC
ICV 4.49 Ug/Kq U YES I</td> | Result Error Unik Qual Res Qual Temp HT MB LCS MS Dup Surr Limit 4.49 ug/Kg U YES I | Result Error Units Qual Res Qual* Temp HT MB LCS MS Dup Surr Limit TotDist 4.49 ug/Kg U YES I | Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit TotDIs QC 4.40 ug/Kq U YES I | Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit Totoble QC Tune 4.49 ug/kg U YES I | Result Error Uniks Qual Res Qual Temp HT MB LCS MS Dup Surr Limit TotDis QC Tune HC 4.49 ug/Kg U YES I | Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit Totals GC Tune KC ICV 4.49 Ug/Kq U YES I |

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

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5560.

Client Sample ID : E11-153-S3

Sample Date : 07/18/2011 Lab Sample ID: 31101915012

Reviewed By / Date :

Approved By / Date :

Lab ID : SGSW

В.

Sample Matrix : SO

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quaí	Rep Res	Overa Qual'	li 'Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	ıc	ICV.	CV / CCV
Analysis Method : 8260B					Diluti	on: 1						·····							····	
Vinyl chloride	4.49		ug/Kg	Ų	YES	:	1			1				t i					1	1
Analysis Method : 8270D				••••••	Diluti	on: 1	•••••				******								*******	- • • • • • • •
1,2,4-Trichlorobenzene	355		ug/Kg	U	YES		ļ		1		1		1]					1	1
1,2-Dichlorobenzene	355		ug/Kg	Ų	YES		1			1				(1					1
1,3-Dichlorobenzene	355		ug/Kg	υ	YES		1	1	1	Į	ļ			· · · · · · ·	1 1				1	1
1,4-Dichlorobenzene	355		ug/Kg	U	YES						Ì		1		i		1		1	i
2,4,5-Trichlorophenol	355		ug/Kg	υ	YES				1				 				1	••••	 1	
2,4,6-Trichlorophenol	355		ug/Kg	υ	YES		1			1]		·	••••		
2,4 Dichlorophenol	355		ug/Kg	U	YES			· · · · · · · · · · ·					1		i		•		1	1
2,4-Dimethylphenol	355		ug/Kg	U	YES		1			·			•		1	• • • • • •	1 1			
2,4-Dinitrotoluene	355		ug/Kg	U	YES				•	' 			•		•		1 1		!	. ! [
2,6-Dinitrololuene	355		ug/Kg	U	YES		1				••••••		' 				• · · · · ·		!	1
2-Chloronaphthalene	355		ug/Kg	υ	YES		1			•••••	······	•••••	•		!				! 	1
2-Chlorophenol	355		ug/Kg	U	YES						······ 						!	•••••	! 	1
2-Methylnaphthalene	355		ug/Kg	U	YES	• • • • • • • •	1	·				•••••					· · · · · · · / · / ·		' I	1 1
2-Methylphenol	366		ug/Kg	υ	YES						، ا	••••••		······				• • • • • • •	! 	i
2-Nilroaniline	355		ug/Kg	U	YES				· · · · · · · · · · · · · · · · · · ·		······		· · · · · · · · · · · · · · · · · · ·	······					! 	
2-Nitrophenol	355		ug/Kg	U	YES		1 1	·i	·····	· · · · · · · · · · · ·	 		······				· · · · · · ·		[1
and/or 4-Methylphenol	355		ug/Kg	υ	YES		1	·		······	،، ا			!۔۔۔۔۔ ا	••••••					1
3-Nitroaniline	355	1	ug/Kg	U	YES			 		······	±	! ا		؛؛ ا	· · · · · · · · · · · · · · · · · · ·					!
-Bromophenyl phenyl elher	355		ug/Kg	U	YES		1	؛ ا	·····	······ 	l	·····!		<u>'</u>		····· !				1
I-Chloro-3-methylphenol	355		ug/Kg	υ	YES	•••••			'' 	······	؛ ا	·····	!! ا			!! 	·····		****	1
-Chloroaniline	355	1	ug/Kg	U	YES	•••••			، ۱			؛	ئئ ر	······		! 		••••••	•••••	! !
-Chlorophenyl phenyl elher	355		ug/Kg	U	YES	•••••		·'	······		·	! 	······	! 				!		1
-Nitroaniline	355	1	ug/Kg	U	YES			· · · · · · · · · ·		· · · · · · /	l	·····!	! 			••••••	·····	······!		!
Nitrophenol	355		ug/Kg	U	YES			······	·'		l	!		!	·····	••••••	<u>-</u>	! ا		!
cenaphthene	365		ug/Kg	U	YES				'		·····	اا ا	! 	<u>ا</u>	······	! 	······	!		!
roject Number and Name; 11-032E	- 11-032E (arroll Agen	Orange								Libr	ary Us	ad:	CampC	arroll					<u></u>
DR 8.2			. <i></i>							ort Date		-		campe	anon			_	166 of	

Lab Report Batch : 31101915

Analysis Type: RES

5561

Client Sample ID : E11-153-S3

Sample Date : 07/18/2011 Lab Sample ID: 31101915012 Analysis Type: RES

Lab Report Batch : 31101915

Lab ID : SGSW Sample Matrix : SO

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Quai*		нт	MB	LCS	MS	Lab Dup	Surr	Rep 1 Imit	Moist Tot/Dis		Tune	IC	icv	CV / CCV
Analysis Method : 8270D					Diluti		, south					Dub	oun		TODDIS) une	10	101	
Acenaphihylene	355		ug/Kg	U	YES		1			1]				1		1		<i></i>	1
Anthracene	355		ug/Kg	U	YES			•••••		: 	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	' 			!i	.	!		/ 1	1
Benzo(a)anthracene	355		ug/Kg	U	YES						/ 	` 	·		!! 		!! [1	
Benzo(a)pyrene	355		ug/Kg	U	YES					, I	/ 			·	!! 		!! 		! 	
Benzo(b)fluoranthene	355		ug/Kg	U	YES		·····			/ <i>.</i>					!! 		!	• • • • • • • • • • • • • • • • • • • •	<u>}</u> 	!
Benzo(g,h,i)perylene	355		ug/Kg	U	YES			·····'		' 	' 		·		·				! 	!
Benzo(k)fluoranlhene	355		ug/Kg	U	YES					 I	! 				!! 	•••••	1		! 	J
Bis(2-Chloroethoxy)methane	355		ug/Kg	U	YES		·····2	·۱			!		: 		! 			•••••	! !	! !
Bis(2-Chloroethyl)ether	355	•••••	ug/Kg	U	YES	2	i	·'			'' 		! <i>!</i>	·· <i>·</i> ····	Ii			•••••	! 	!
Bis(2-Chloroisopropyl)ether	365		ug/Kg	U	YES	·····	······	'' 									!! [•••••	! 	!
Bis(2-Ethylhexyl)phthalate	355	••••••	ug/Kg	U	YES		:؛ ا	······			·····	·'			 		[1 	•••••	! 	! 1
Butyl benzyl phthalate	355		ug/Kg	U	YES	1	 	······		· · · · · · · · · · · · · · · · · · ·			··········· 			•••••				1
Chrysene	355		ug/Kg	U	YES	i	······													ť
Dibenz(a,h)anthracene	355		ug/Kg	U	YES		1		······	·······	 		·····'	<u>،</u>		·····	1			:
Dibenzofuran	355		ug/Kg	υ	YES				······	·	،، ا	······	·'			••••••				
Diethyl phthalate	365	·····	ug/Kg	υ	YES			<u>.</u>	·	'	 	·	!			······		••••••		(, I
Dimethyl phthalale	355		ug/Kg	υ	YES		·····		·····	····· [·····			· · · · <i>· · ·</i> · · ·	·····!	·····				: I
Di-n-butyl phthalate	355		ug/Kg	u	YES :		·····		^ب ر	····· /	·····. 		••••••		······!	!۹ ا	<u>ئ</u> ر			'e ender 1
Di-n-octyl phthalate	355	Ì	ug/Kg	U	YES	···· · · · · · · · · · · · · · · · · ·	······	·	····· ?	······/ J					·····	! 		! 1		: ł
luoranihene	355		ug/Kg	U	YES		·····	in ni	·····'	······	·····		·····			! 		! 	······	
Fluorene	355		ug/Kg	U	YES	········ 	· · · · · · · · · · · · · · · · · · ·	 1	· · · · · · · · · · · · ·	····· /	····· · · · · · · · · · · · · · · · ·	····· 1	!. 		···· · · . .	·····		!!	·····!	
texachlorobenzene	355		ug/Kg	U	YES			···· ···	·····		······	••••••	····· /·	· · · · · · · · · · · · · · · · · · ·			·····	ł		
-lexachlorobuladiene	355		ug/Kg	U	YES	· · · · · · · · · · · · · · · · · · ·	i i	···· /	 1		ן ן	••••••••••••••••••••••••••••••••••••••	·····'· 		····· · · · ·	 	·····	لا ا	! ا	• • • • • • • •
lexachlorocyclopentadiene	355		ug/Kg	U	YES			÷	·····		ייייייייייייייייייייייייייייייייייייי	······	!- 		· · · · · · · · · · · · · · · · · · ·	۱۱	······	!	······	
texachloroelhane	355		ug/Kg	υ	YES			 1	······		······	· · · · · · · · · · · · · · · · · · ·	!. i	••••	·····!· }			······!	····· !	
ndeno(1,2,3-cd)pyrene	355		ug/Kg	υi	YES	· · · · · · · · · · · · · · · · · · ·	·····	·····			······	· · · · · · · · · ·		····			·····		·····!	

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange Library Used: CampCarroll ADR 8.2 Report Date: 9/6/2011 10:38

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Client Sample ID : E11-153-S3 Sample Date : 07/18/2011

Lab Sample ID: 31101915012

Reviewed By / Date :							Арр	rovec	l By /	Date :										
Analyte Name	Resutt	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Quai*	Temp	нт	M8	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC		CV / CCV
Analysis Method : 8270D					Diluti	on: 1							••**							
(sophorone	355		ug/Kg	U	YES	:				1		1	1	; ;						1
Naphlhalene	355		ug/Kg	υ	YES				1	1		1					1		/ 	1
Nitrobenzene	355		ug/Kg	U	YES						: 	 		·	1				 1	1
n-Nitrosodi-n-propytamine	355		ug/Kg	U	YES				`	 		1		: 		• • • • • • • • • •		•••••	! 	1
Pentachlorophenol	355		ug/Kg	Ų	YES	UJ			·	ຍມ		1			·i				!	1
Phenanthrene	355		ug/Kg	U	YES				' <i>-</i> 	· · · · · · · · · · · · · ·		. <u>.</u>			 	•••••		•••••	! 	1
Phenol	355		ug/Kg	U	YES			•••••	//////////////////////////////////////		' 	. <u>.</u>				·····			! 1	!
Pyrene	355		ug/Kg	υ	YES				' 		' 			••••••			, I í			¦

Lab Report Batch : 31101915

Analysis Type: RES

A				
Project Number and Name:	11-032E - 11-032E Carroll Agent Orange	Library Used:	CampCarroll	
ADR 8.2		Report Date: 9/6/2011 10:38		Page 168 of 182
Overali result qualifier reflects summ	nation of qualifiers added during automated data review and any qualifiers added manual	y for categories not assessed by automated data	a review	

5563

Lab ID : SGSW

Sample Matrix : SO

Client Sample ID : E11-153-S4

Sample Date : 07/18/2011 Lab Sample ID: 31101915015 Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO ı

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overall Qual*	Temp	нт	MB	LCS	MS	Lab Dup	Surt	Rep Limit	Moist Tot/Dis		Tune	IC	icv	CV CC
Analysis Method : 6	010C				Diluti	on: 1														
Arsenic	2.65		mg/kg		YES			1		1	i		1	1	1				4	1
Barium	75.0		mg/kg	• • • • • • • • • • • • •	YES	J					J	·	1		!i	••••	· · · · · ·			1
Cadmlum	0.617		mg/kg		YES	U			U				1	! !		•••••			! 	1
Chromium	4.04		mg/kg		YES			1						/ ·			!!! 		! 	. <u>.</u>
Lead	7.17		mg/kg		YES	J		: 			١,	J	: 	! 			i		! 	 1
Selenium	1.96		mg/kg	V	YES		••••					••••	! !	! {					!	1
Silver	0.979		mg/kg	U	YES							••••	! !	· · · · · · · · · · ·	1 1				! <i>-</i> 	!
Analysis Method : 74	471B				Dilutic	n: 1					••••••			·		••••••	<u></u>	•••••	!	!,
Mercury	0.00287	ĺ	rng/kg	J	YES								1		1		1			1
Analysis Method : 80	081				Dilutio	m:1					'		••••••				·		F	ł
4,4'-DDD	11.0	i	ug/Kg	U	YES												ł		 I	<u> </u>
4,4'-DDD	11.0		ug/Kg	U	YES	1					······					······	ئى ا			!
4,4'-DDE	11.0		ug/Kg	U	YES			· /	· · · · · · · · · · · · · · · · · · ·	······ 	۰۰۰۰۰۰ ا		<u>؛</u> ا	! !	·····		يلي ا			£
4,4'-DDE	11.0		ug/Kg	υ	YES		·	1	······	 	 	' ا		<u>ا</u> ۔						!
4,4'-DDT	11.0		ug/Kg	U	YES	ii	· ·	 	: ا		! 	······	•••••	·····!			¦			ł I
4,4'-DDT	11.0		ug/Kg	υ	YES			 ا	'۔۔۔۔۔ ا			······		·····	 	! 	<u> </u>			: 1
Aldrin	11.0		ug/Kg	ប	YES			·····	······			······	······	<u>؛</u>	!.	 ا				± 1
Aldrin	11.0		ug/Kg	U	YES	·····	·····	·i	'' 	·!		!! 	! 	·····!	!- {		·····	····· ·	·····!	f r
Ilpha-BHC	11.0	1	ug/Kg	U	YES		 	······	·····	·····		! 	·····	·····	·			·····		 I
lipha-BHC	11.0	1	ug/Kg	U	YES			·i	i I		i	······			·····'·		····			: I
Ipha-Chiordane	11.0		ug/Kg	U	YES :		·i	······ 			ئ د در در . ا			······!	·····;·	····-	····	! I	 	
Ipha-Chlordane	11.0		ug/Kg	U	YES				·····		·····	······		i		·····	····· ·	·!	······!	
eta-BHC	11.0		ug/Kg	u i	YES	·····	· · · · · · · · · · · · · · · · · · ·	 1	·····			!	·····	· · · · · · · · · · · · · · · · · · ·	······	••••••	·····.	·····.	!	
eta-8HC	11.0		ug/Kg	U	YES	·····		······	····· · ·		••••••••••••••••••••••••••••••••••••••	······	·····-	·!	·····	!	·			
hlordane	36.5	••••••	ug/Kg	υİ	YES	· · · · · · · · · · · · · · · · · · ·		 	·····		 	!	·····		·····	·····!	·····			
hlordane	36.5	• • • • • • • • • • • • • • • • • • • •	ug/Kg	υ	YES	;	·····	i i	·····.¦	·····	<u>1</u> ,	!!	¦. I	!	· • • • • • • • • • • • • • • • • • • •		·····			•••••
ella-BHC	11.0		ug/Kg		YES	،؛	·····! 	·	·····	 	·····	1		·····!.			·····		·····	•••••
oject Number and Name:	11-032E - 11-032E (arroll Agent	Orange								Libr	ary Use	· · he	CampC	erroii		•••••	,		
DR 8.2			÷							ort Date		-		vanipu	arroll				169 of	

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Client Sample ID : E11-153-S4

Sample Date : 07/18/2011 Lab Sample ID: 31101915015

Analysis Type: RES

Lab Report Batch : 31101915

Lab ID : SGSW Sample Matrix : SO

Page 170 of 182

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quat		Overall Quai*		нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	łC	iCV	CV / CCV
Analysis Method : 8081					Diluti							oup	Gan	5-11411S			10116			000
della-BHC	11.0		ug/Kg	υ	YES						i	(1	1			 I	1	1
Dieldrin	11.0		ug/Kg	υ	YES		•••••					 		/ 					/	!. <i></i>
Dieldrin	11.0		ug/Kg	U	YES) 		•	!			l			! !
Endosulfan I	11.0		ug/Kg	U	YES		·····				: 	· · · · · · <i>, ,</i>	•••••••		!			•••••	! 1	¦
Endosulfan I	11.0		ug/Kg	U	YES						!						!		! 	1 1
Endosullan II	11.0		ug/Kg	U	YES			·····					(// 			••••	!	!
Endosulfan II	11.0		ug/Kg	U	YES			·····/					!	·		•••••	!! 		! 	! [
Endosulfan sulfale	11.0		ug/Kg	U	YES		······	······		·				•••••	 		!! 		! 	! 1
Endosulfan sulfate	11.0		ug/Kg	U	YES		••••••	·····'						•••••			!		/ 	!
Endrin	11.0		ug/Kg	U	YES		·	، ا					•/ •	•••••	'		L		/	
Endrin	11.0		ug/Kg	U	YES		······						·		!	·····'	!' !			!
Endrin aldehyde	11.0		ug/Kg	U	YES	·i	·!	······/								••••••			1	!
Endrin aldehyde	11.0	·····	ug/Kg	U	YES		······ 		·i	·····`		•••••	! 			!				!
Endrin ketone	11.0	·····	ug/Kg	U	YES	i	 	·		· · · · · · · · · · · · · · · · · · ·	······	•••••••	······!	······						• • • • • • • •
Endrin kelone	11.0	····	ug/Kg	υ	YES			·····	·····	······	······	·····	······	!! 		·····!	; 1			
gamma-BHC (Lindane)	11.0		ug/Kg	U	YES		1	 1	·····	 	······ 	······	1	!! 		؛۱	 		·	
gamma-BHC (Lindane)	11.0		ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·	i	·····/	······	·····	······	······			· · · · · · · · · · · · · · · · · · ·	·····'	••••••		
gamma-Chlordane	11.0		ug/Kg	υ	YES		i	······			······	·····	· · · · · · · · · · · · · · · · · · ·			••••••••••••••••••••••••••••••••••••••	····· · · · · · · · · · · · · · · · ·	••••••		
gamma-Chlordane	11.0		ug/Kg	U	YES	····· í	····					·····!	 			! 				
Replachior	11.0		ug/Kg	U	YES	······		ii	؛ ا		! 	'' 	<u>،</u> ا	!	• ···			·····		•••••
leptachlor	11.0	····	ug/Kg	U	YES	······	······		····· 1		! j		· · · · · · · · · · · · · · · · · · ·	! !				!!	······!	
leplachlor epoxide	11.0	1	ug/Kg	U	YES		····	÷i	·····	····· ·		· · ·	· · · · · /	· · · · ·			·····		·····!	• • • • • • •
leplachlor epoxide	11.0	1	ид/Кд	U	YES	· · · · · · · · · · · · · · · · · · ·	·····	 I	· · · · · · · · · · · · · · · · · · ·	······	؛ ا	····· · · ·			· · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	······	؛ ا	ا ا	
felhoxychior	11.0	*****	ug/Kg	U	YES	······	·····	·i				······	······		••••••••••••••••••••••••••••••••••••••	<u>-</u>	<u>-</u> 1	!	!	
Aethoxychlor	11.0		ug/Kg	u	YES	·····	·····	۱ ا			:	יי ו	.ن	·····	·····!·· {	·····!	·····	اا ا	···· ···!	
oxaphene	36.5	***************************************	ug/Kg	U Ì	YES	· · · · · · · · · · · · · · · · · · ·		·····			·····	י ז	·····!. 1	·····!	·····	l 1		۹	····· ·	

Project Number and Name: 11-032E - 11-032E Carroli Agent Orange Library Used: CampCarroll ADR 8.2 Report Date: 9/6/2011 10:38

5565

Client Sample ID : E11-153-S4

Sample Date : 07/18/2011

Reviewed By / Date :

Lab Sample ID: 31101915015

Approved By / Date :

Lab ID : SGSW

Sample Matrix : SO

Lab Report Batch : 31101915

Analysis Type: RES

Analysis Method : 8081 Uituro : 1 Toxaphene 36.5 ugKg V YES I	icv	icv	icv	IC'			:	;	;			IC	ιcν	v			c c
Analysis Method : 8151 Dilution: 1 24.5-T 0.0181 mg/kg U YES I	·····	·····	******	·····								** ***					
24.5-T 0.0181 mg/kg U YES I					Ī					Ì	Ì.				ł	ł	
24.5-T 0.0181 mg/kg U YES I											••••						
2.4.5-TP (Silveq) 0.0181 mg/kg U YES UJ I UJ I <thi< th=""> <t< td=""><td> </td><td></td><td></td><td></td><td>1</td><td>1</td><td></td><td></td><td></td><td> </td><td>1</td><td>1</td><td></td><td></td><td>1</td><td>Ē</td><td></td></t<></thi<>					1	1					1	1			1	Ē	
2.4.5-TP (Silvey) 0.0181 mg/kg U YES UJ I UJ I I 2.4-D 0.0181 mg/kg U YES UJ I UJ I					1	1					ï	1			ï	Ē	
2.4-D 0.0181 mg/kg U YES U	1				ï	÷,				Ĩ	ï.				Ī	i	
24-D 0.0181 mg/kg U YES UJ UJ UJ I	1				ï	1				1	T				1	Ë	
2.4-D 0.0181 mg/kg U YES UJ UJ UJ UJ I	1				ï	1				1	1				ï	Ē	
2.4-DB 0.0181 mg/kg U YES I <thi< th=""> I <thi< th=""></thi<></thi<>	1				Ī	1				1	1				ï	Ê	• •
Dicamba 0.0181 mg/kg U YES I <thi< th=""> <thi< th=""> <thi< th=""></thi<></thi<></thi<>				• • • •	Ĩ	1				1	I				1	Ë	
Jicamba 0.0181 mg/kg U YES I <thi< th=""> <thi< th=""> <thi< th=""></thi<></thi<></thi<>	1		•••••	• • • • •	Ï	1				1	1				ï	Ê	
Analysis Method : 8260B Dilution : 1 1.1.2-Tetrachloroethane 5.11 ug/Kg U YES I<	1				1	1				1	1			• • •	ï		1
1.1.2-Tetrachloroethane 5.11 ug/Kg U YES I	1	••			I	1				1	1				ï		•••
1.1-Trichloroethane 5.11 ug/Kg U YES I <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>•••</td><td></td></td<>																•••	
1,2,2-Tetrachloroethane 5.11 ug/Kg U YES I	1				1	1				1	1				1		
1.2-Trichloroethane 5.11 ug/kg U YES I <td< td=""><td> </td><td>••••</td><td></td><td></td><td>ï</td><td>Î</td><td></td><td></td><td></td><td>1</td><td>ï</td><td></td><td></td><td></td><td>ï</td><td></td><td></td></td<>		••••			ï	Î				1	ï				ï		
1-Dichlorosthane 5.11 ug/Kg U YES I<					Ĩ	Ī	•••			Ĩ	Ĩ				I		
1.1-Dichloroethene 5.11 ug/Kg U YES I	1				Ĩ	Ĩ				[[Ĩ		
1-Dichloropropene 5.11 ug/Kg U YES I	1				1	1				1	1				1	• • •	
2.3.Trichlorobenzene 5.11 ug/Kg U YES I <t< td=""><td>I</td><td></td><td></td><td></td><td>1</td><td>1</td><td>1</td><td></td><td></td><td>1</td><td>1</td><td></td><td></td><td></td><td>ï</td><td>•••</td><td>•••</td></t<>	I				1	1	1			1	1				ï	•••	•••
2.3-Trichloropropane 5.11 ug/Kg U YES I <t< td=""><td> </td><td></td><td></td><td></td><td>I</td><td>I</td><td>1</td><td></td><td>Ì</td><td>I</td><td>E</td><td></td><td></td><td></td><td>ï</td><td>•••</td><td></td></t<>					I	I	1		Ì	I	E				ï	•••	
2.4 Trichforobenzene 5.11 ug/Kg U YES UJ I UJ I					1	1	1		1	1	1			•••	ï		•••
2.4 Trimethybenzene 5.11 ug/Kg U YES U U UJ I <thi< td=""><td>1</td><td></td><td></td><td></td><td>1</td><td>ï</td><td>1</td><td></td><td>1</td><td>ï</td><td>ï</td><td>••••</td><td></td><td></td><td>ï</td><td></td><td></td></thi<>	1				1	ï	1		1	ï	ï	••••			ï		
2-Dibromo-3-chloropropane 30.6 ug/Kg U YES I	1				Î	ï	1		1	ï	ï				Î		•••
2-Dibromo-3-chloropropane 30.6 ug/Kg U YES I	1			•••••	1	ï	ï		Ì	ï	I				Î		
2-Dibromoethane 5.11 ug/Kg U YES I <thi< th=""> I</thi<>						ï				ï					Î		
	1				1	1	1		1	Î	1			1	Î	••••	•••
					Î	Î	1		1	Î	Î			ï	Î		•••
oject 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

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Client Sample ID : E11-153-S4

Sample Date : 07/18/2011 Lab Sample ID: 31101915015 Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

Page 172 of 182

Reviewed 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	CV / CCV
Analysis Method : 8260B					Dilut		· · · · ·						····.							
1,2-Dichloroethane	5.11		ug/Kg	U	YES	: 1				1			1					}	1	1
1,2-Dichloropropane	5.11		ug/Kg	U	YES						[1		1		1	•••••	 I	1
1,3,5-Trimethylbenzene	5.11		ug/Kg	U	YES							[[1	: 			` 		1	i
1,3-Dichlorobenzene	5.11		ug/Kg	Ų	YES							: 				•••••	 	' 	1	
1,3-Dichloropropane	5.11		ug/Kg	U	YES							 	1	; 					1	1
1,4-Dichlorobenzene	5,11		ug/Kg	Ų	YES	(·]	: 						, 	1
2,2-Dichloropropane	5.11		ug/Kg	U	YES							}				•••••	1		 I	/
2-Bulanone	25.5		ug/Kg	υ	YES		·i												1	!
2-Chlorololuene	5,11		ug/Kg	U	YES	İ					1		1	·					 1	: [
2-Нехаполе	12.8		ug/Kg	U	YES	1	1	i					1				······		/	 1
4-Chiorotoluene	5.11		ug/Kg	U	YES								1						/ 	:
4-Isopropyltoluene	5.11		ug/Kg	U	YES	1		[······	•••••		!
4-Methyl-2-pentanone	12.8		ug/Kg	U	YES	ĺ	i							••••		·•···			<u>.</u>	
Acetone	6.54		ug/Kg	J	YES	J				J	J				1					
Benzene	5.11		ug/Kg	U	YES	1	······		······	 									1	:
Bromobenzene	5.11	1	ug/Kg	υ	YES			1	······	·····		i							<u>.</u>	
Bromochloromethane	5.11		ug/Kg	υ	YES						 			·····		· · · · · · · · · · ·				
Bromodichloromethane	5.11	1	ug/Kg	U	YES					·····	: 									
Bromoform	5.11	1	ug/Kg	U	YES			1	1		i			! ا						
Bromomethane	5.11	Ì	ug/Kg	υ	YES		1		· · · · · · · · · · · · · · · · · · ·	······································		·····	·····	· · · · · · · · · · · · · · · · · · ·		••••••				
Carbon disulfide	5.11	1	ug/Kg	U	YES	4			·····					••••••						
Carbon tetrachloride	5.11		ug/Kg	U	YES				. 1		i]	1							••••••
Chlorobenzene	5.11	1	ug/Kg	υ	YES			1				1		 			·····		·····!	··· · ·
hloroelhane	5.11		ug/Kg	υ	YES		i-	i	 			·····				· · · · · · · · · · · · · · · · · · ·			·i	
Chloroform	5.11		ug/Kg	U	YES		·····	····	 	 	······		·····	· · · · · · · · · · · ·	·····	····· ·			i	
Chloromelhane	5,11	1	ug/Kg	υ	YES			ì	 I		······	·····		·····	·····				· · · · · i	

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange Library Used: CampCarroll ADR 8.2 Report Date: 9/6/2011 10:38

5567

Client Sample ID : E11-153-S4

Sample Date : 07/18/2011 Lab Sample ID: 31101915015 Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

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Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overali Qual*	Tomo	нт	MB	LCS	MS	Lab Dup	Surr	Rep	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 82608			Onka	QUUT	Diluti	e en de la marca de	Teanb		140	100	- mə	Dub	auer	Emar	TOUDIS	ųc	rune		IC V	COV
cis-1,2-Dichloroelhene	5.11		ug/Kg	U	YES					1	1		1	· · · · · · · · · · · · · · · · · · ·						1
cis-1,3-Dichloropropene	5,11		ug/Kg		YES				1	! [1		! I	1		!		1	! I
Dibromochloromethane	5.11		ug/Kg		YES	·	••••••		l	!	! 	1 f	!	! !		•••••				! !
Dibromomethane	5.11		ug/Kg	U.	YES	:	······			·	¦	<u>.</u>	!	!	!	••••			!	!
Dichlorodifluoromethane	5.11		ug/Kg	υ	YES		····· 1		'		 	! 	! 			•••••		•••••		!
Ethyl Benzene	5.11		ug/Kg	U	YES		·····!					! ;	! 	 	l	•••••				! [
Hexachlorobuladiene	5.11		ug/Kg	U	YES	UJ	·!				່ມ	• 	(• •				! 	! 1
Isopropylbenzene (Cumene)	5.11		ug/Kg	υ	YES		·i					\ 	! 	 I	!! 		!! 		/ 	!
m,p-Xylene	\$0.2		ug/Kg	υ	YES		·i				• • • • • • • • • •	۰ ا	۱ ۱		!! 	• • • • • • • • •	!! 		/ 	!
Nelhyi iodide	5.11		ug/Kg	U	YES		ii				•••••	: {			1		·······		! 1	!
Aethylene chloride	2.12		ug/Kg	J	YES	U	:؛ ا	·····	υ		•••••	 I						•••••	¦	
Vaphihalene	5.11		ug/Kg	U	YES	IJ	! 	·····/	•••••		UJ			•••••	!				! 	
n-Butylbenzene	5.11	Î	ug/Kg	U	YES	IJJ	i	······	 	······	UJ					·····		•••••	/	••••
-Propylbenzene	5.11	1	ug/Kg	υ	YES		1	1		······							}			•••••
o-Xylene	5.11		ug/Kg	U	YES		1	 		1			·				·····			••••
ec-Butylbanzana	5.11	1	ug/Kg	υ	YES				ĺ	·····				·····		 	······			•
Styrene	5.11	1	ug/Kg	U	YES	UJ		1		······	ยม			· · · · · · · · · · · · · · · · · · ·		· · · · · ·				
ert-Butyl methyl ether (MTBE)	5.11	1	ug/Kg	U	YES		1	Ì		·····/			······			·····				
ert-Butylbenzene	5.11	1	ug/Kg	U	YES			Ì									(
etrachloroethene	5.11	1	ug/Kg	U	YES						·····									
oluene	5.11	1	ug/Kg	U	YES		1	1				· · · · · · · · · · · · · · · · · · ·					······ 			
ans-1,2-Dichloroethene	5.11		ug/Kg	U	YES	1		1				·····	· · · · · · · · · · · · · · · · · · ·	·· <i>·</i> ····						•••••
ans-1,3-Dichloropropene	5.11	1	ug/Kg	U	YES											1	······			
ans-1,4-Dichloro-2-butene	25.5		ug/Kg	U	YES	·····		÷	·····i	· · · · · · · · · · · · · · · · · · ·	·····	: 		i		·····	 		·····	
richloroethene	5.11		ug/Kg	U	YES			Ì	· · · · · · · · · · · · · · · · · · ·		 	i	·····	·/		· · · · ·	· · · · · ·		i	
richlorofluoromethane	5.11	1	ug/Kg	ម	YES	LU		·····			UJ		······	·····!	· • · · · · · · · · · · · · · · · · · ·	····· ··· · · · · · · · · · · · · · ·		·····í		

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange Library Used: CampCarroll ADR 8.2 Report Date: 9/6/2011 10:38

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Client Sample ID : E11-153-S4

Sample Date : 07/18/2011

Lab Sample ID: 31101915015

Analysis Type: RES

Lab Report Batch : 31101915

Lab ID : SGSW Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quaf	Rep Res	Overall Qual ^a Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tet/Dis		Tune	IC	ICV	CV / CCV
Analysis Method : 8260B					Diluti	ហា: 1				*****									
Vinyl chloride	5.11		ug/Kg	Ų	YES	.		1	ŀ	i	{	1	1	1					1
Analysis Method : 8270D					Diluti	on: 1													
1,2,4-Trichlarobenzene	365		ug/Kg	U	YES	í í					1	1	1			}	i k i d'affar in he kenne	1	1
1,2-Dichlorobenzene	365		ug/Kg	U	YES			ł			1	1	1	1					1
1,3-Dichlorobenzene	365		ug/Kg	U	YES		1		1			1]				1	1
1,4-Dichlorobenzene	365		ug/Kg	U	YES	1	1		1			1						1	1
2,4,5-Trichlorophenol	365		ug/Kg	U	YES	(1	l		1	1	1		f i				1	1
2,4,6-Trichlorophenol	365		ug/Kg	U	YES						{	1		1		1		1	1
2,4-Dichlorophenol	365		ug/Kg	υ	YES	1	1	1					1						
2,4-Dimelhylphenol	365		ug/Kg	U	YES	1	1	1	1				1	1 1					1
2,4-Dinitrotoluene	365		ug/Kg	U	YES		1					[Ì		1	
2,6-Dinitrololuene	365		ug/Kg	υ	YES		1					1				1	* • • • • • • •	1	1
2-Chioronaphihalene	365		ug/Kg	U	YES														: I
2-Chlorophenol	365		ug/Kg	υ	YES							1	• •• •••	1		1		4	1
2-Methyinaphthalene	365	1	ug/Kg	U	YES	1	1											 	1
2 Methylphenol	365	1	ug/Kg	U	YES				ļ										1
2-Nilroaniline	365	ļ	ug/Kg	υ	YES					[[••••		:
2-Nitrophenol	365	1	ug/Kg	U	YES		1											1	1
3 and/or 4-Methylphenol	365	ļ	ug/Kg	U	YES	1									1	1		1	
)-Nitroaniline	365	1	ug/Kg	υ	YES				}								- •		f
I-Bromophenyl phenyl ether	365		ug/Kg	U	YES					1									1
I-Chloro-3-methylphenol	365		ug/Kg	U	YES					[1							1
I-Chloroaniline	365	1	ug/Kg	U	YES			1					1						
-Chlorophenyl phenyl ether	365		ug/Kg	U	YES			1	1			Ì	·····			i			
Nitroaniline	365		ug/Kg	U	YES			1		i		i	·i		: 				
Nitrophenol	365		ug/Kg	U	YES	·····	1	1					؛ ا		i 1				
cenaphthene	365	1	ug/Kg	υ	YES			Î	{					ļ	Ì				
and and a second s	- 11-032E (Carroll Agen	Orange							Lib	rary Us	ed:	CampO	Carroll					
DR 8.2		J	3-					Don	ort Date		•						Deee	174 of	400

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Client Sample ID : E11-153-S4

Lab Report Batch : 31101915

Sample Date : 07/18/2011 Lab Sample ID: 31101915015 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

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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	CV/ CCV
Analysis Method : 8270D					Diluti	on: 1														
Acenaphthylene	365		ug/Kg	U	YES														1	1
Anthracene	365		ug/Kg	U	YES															1
Benzo(a)anthracene	365		ug/Kg	U	YES														4	1
Benzo(a)pyrene	365		ug/Kg	V	YES		1												1	
Benzo(b)fluoranthene	365		ug/Kg	U	YES		i I	1									1			1
Benzo(g,h,i)perylene	365		ug/Kg	U	YES														: [1
Benzo(k)fluoranthene	365		ug/Kg	U	YES]												! 	1
Bis(2-Chloroethoxy)melhane	365		ug/Kg	U	YES		1							••••					' 	·
Bis(2-Chioroethyl)ether	365	Í	ug/Kg	υ	YES				······					••••••		······	 	•••••	' 	1
Bis(2-Chloroisopropyl)ether	365		ug/Kg	U	YES			 							·····	·····			·	1
Bis(2-Ethylhexyl)phthalate	365		ug/Kg	U	YES		1		·····	······	1	 			·i i	······		••••••		!
Butyl benzyl phthalate	365		ug/Kg	U	YES			î	 	 			: 	·····	ن		······			1
Chrysene	365	Í	ug/Kg	U	YES				1		 	······			······	 	 	·····		!
Dibenz(a,h)anlhracene	365		ug/Kg	U	YES			1	1	[·····	 	·	·····		:
Dibenzoluran	365		ug/Kg	U	YES							······· 	·····		 	 	 	,, 		:
Diethyl phihalaie	365		ug/Kg	υ	YES		1	 1	1		! 	: 	•••••• }		''- [••••••	!
Dimethyl phthalate	365		ug/Kg	υ	YES			1	1		 	 1	i 	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		· • · • • • • • • • • • • • • • • • • •		!	!
Di-n-butyl phlhalate	365		ug/Kg	U	YES			1			·····	· · · · · · · · · · · · · · · · · · ·					·····	······		
Di-n-octyl phthalate	365		ug/Kg	υ	YES	1	1	1	1			······		i		ì	·····	•••••••	······!	!
Fluorantherie	365	1	ug/Kg	U	YES	·····		Ì		···· /	·····	 1	· · · · · · · · · · · /			·····i	·····			¦
Fluorene	365	1	ug/Kg	U	YES		1		······	 	·····	 1	i		· · · · · · · · · · · · · · · · · · ·	·····		י ו	 	
Hexachiorobenzene	365		ug/Kg	U	YES	1	· · · · · · · · · · · · · · · · · · ·	· · · · · · · ·	···· · · · ·			i				ii	· · · · · · · · · · · · · · · · · · ·			1
Hexachlorobuladiene	365		ug/Kg	v	YES	···· · ···	··· · · · ·	i i i i i i i i i i i i i i i i i i i		، (· · · · · · · · · · · · · · · · · · ·	······			·····		·····	′ ا	!! 	
-lexachlorocyclopentadiene	365	1	ug/Kg	U	YES	·····	1	ì	 	î	' !	·i	······		·····		·····		!! 	
lexachloroelhane	365	·····	ug/Kg	υ	YES		·····!		 1		·····!	···· ···	!. 	· · · · · · · · · · · · · · · · · · ·		l. 1		¦¦		
ndeno(1,2,3-cd)pyrene	365	Ť	ug/Kg	U	YES	······ i	· · · · · · · · · · · · · · · · · · ·	 1		·····		۰، ۱	··· ···		·····!··	·····			!	··· · · · · ·

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

 ADR 8.2
 Report Date:
 9/6/2011 10:38

• 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

5570

Client Sample ID : E11-153-S4 Sample Date : 07/18/2011

Lab Sample ID: 31101915015

Reviewed By / Date :

Approved By / Date :

Lab ID : SGSW

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Sample Matrix : SO

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quaí	Rep Res	Overail Qual*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tol/Dis	Field QC	Tune	ıc	icv	CV/ CCV
Analysis Method : 8270D					Diluti	on: 1					~*/.*/** *********									
Isophorone	365		ug/Kg	U	YES	:		1	1	1	1	1	[<u> </u>	1 1		F		1	1
Naphthalene	365		ug/Kg	υ	YES											••••••	 	·····	1	1
Nitrobenzene	365		ug/Kg	U	YES						 1	: }			1 1	•••••	! 	·	<u>.</u>	· *
n-Nilrosodi-n-propylamine	365		ug/Kg	U	YES		1		1	: 		<u>.</u>	` <i></i>		1 1		! 	`	1	1
Pentachlorophenol	365		ug/Kg	υ	YES	IJJ				UJ		: 				•••••	: 	' 		1
Phenanthrene	365		ug/Kg	U	YES				·····	: 		\	·	' 	/! 			<i>-</i>	/	· <u>•</u>
Phenol	365		ug/Kg	U	YES			• • • • • • • • •				\			1 1				8 F	
Pyrene	365		uo/Ka	U	YES				' 	' I	(• }	•		1 1					

Lab Report Batch : 31101915

Analysis Type: RES

Project Number and Name:	11-032E - 11-032E Carroll Agent Orange	l Maria a Star a de		
Toject Rumber and Rame.	THOSE THOSE Carlon Agent Orange	Library Used:	CampCarroli	
ADR 8.2		Report Date: 9/6/2011 10:38		Page 176 of
* Overall result qualifier reflects summ	ation of qualifiers added during automated data review and any qualifiers added manually fo	r calegories nol assessed by automated data	a review	

5571

Client Sample ID : Trip Blank (1) Sample Date : 07/18/2011

Lab Sample ID: 31101915001

Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO •

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Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overali Qual*	l Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CV/
Analysis Method : 8260B					Dilutio	on: 1														
1,1,1,2-Tetrachloroethane	5.00		ug/Kg	U	YES		({		1							1
1,1,1-Trichloroethane	5.00		ug/Kg	υ	YES		1												/ 	1
1,1,2,2-7etrachloroethane	5.00		ug/Kg	u	YES		1					}	••••••••••••••••••••••••••••••••••••••						1	1
1,1,2-Trichloroethane	5.00		ug/Kg	U	YES		1						1						: 	1
1,1-Dichloroethane	5.00		ug/Kg	U	YES		[•••••				1
1,1-Dichloroethene	5,00		ug/Kg	U	YES		1						[• • • • • • • • • •	i			1
1,1-Dichloropropene	5.00		ug/Kg	U	YES		1									••••••			! 	!
1,2,3-Trichlorobenzene	5.00		ug/Kg	υ	YES		i i	·····'	······					••••••					! 	1
1,2,3-Trichloropropane	5.00		ug/Kg	U	YES		İ		······	······				••••••					•	! !
1,2,4-Trichlorobenzene	5.00		ug/Kg	U	YES	UJ			······/	 	UJ				· · · · · · · · · · · · · · · · · · ·				·	1
1,2,4-Trimelhylbenzene	5.00		ug/Kg	U	YES	UJ	(······	······	UJ					······				i
1,2-Dibromo-3-chloropropane	30.0	1	ug/Kg	Ų	YES					 						••••••		······		!
1,2-Dibromoethane	5.00	1	ug/Kg	U	YES		ĺ	Î		·····/				······	· • • • • • • • • • • • • • • • • • • •	·····	·······. 	······		!
1,2-Dichlorobenzene	5.00	1	ug/Kg	U	YES			1	ĺ			··		·····	·	·····		·····		!
1,2-Dichloroelhane	5.00	1	ug/Kg	U	YES		1					··			·····	·	·i	، ا		!
1,2-Dichloropropane	5.00	1	ug/Kg	υ	YES	·i	ĺ	1	i	······			······	:i 	<u>'</u> '- 		 ا	<i>د</i> ا	·····	
1,3,5-Trimethylbenzene	5.00		ug/Kg	U	YES				 	1		···· ·· ·	·····/			·····	·····		· · · · · · · · · · · · · · · · · · ·	!
1,3-Dichlorobenzene	5.00		ug/Kg	U	YES	·····		·····			·····	·····	·····/			· · · · · · · · ·	······	······	!	/ F
1,3-Dichloropropane	5.00	1	ug/Kg	U	YES		·····	 1	· · · · · · · · · · · · · · · · · · ·			:: 				۰	······	·····'		: / .
1,4-Dichlorobenzene	5.00		ug/Kg	U	YES			Î	 1				·····	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	 1	·····/	·····	1
2,2-Dichloropropane	5.00	1	ug/Kg	U	YES	1	1	1			i		· · · · · · · · · · · · · · · · · · ·	1		i	 			
2-Butanone	25.0		ug/Kg	υ	YES		···· · i	î	···· ··· 1	· · · · · · · · · · · · · · · · · · ·		······	······	· · · · · · · /	· · · · · · · · · · ·		ייייייי ד	····· '	······	·
2-Chlorotoluene	5.00	1	ug/Kg	U	YES			 1	 I	·····		·····i	.دد ا	•••••••		 1	 1	······		
2-Hexanone	12.5		ug/Kg	U	YES	i	!-	·····	·····	 	·····	······i	· · · · · · · · · · · · · · · · · · ·		'- 	1	 		·····!	
I-Chlorotoluene	5.00	1	ug/Kg	U	YES	!				······	····· · · · · · · · · · · · · · · · ·	י י ז		·····!	·····!· }		·····	<u>ئ</u> د ا	•••••••	
I-Isopropyltoluene	5.00	*****	ug/Kg	υ	YES) ا		····· 1	 		····· · · · · · · · · · · · · · · · ·	 	· · · · · · · · · · · · · · · · · · ·	!	······	t 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 10:38

* 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

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A

Client Sample ID : Trip Blank (1) Sample Date : 07/18/2011 Lab Sample ID: 31101915001

Lab Report Batch : 31101915

Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overal Qual*	f Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CC /
Analysis Method : 8260	В				Diluti	on: 1														
4-Methyl-2-pentanone	12.5		ug/Kg	u	YES		1				1	1		1			1			1
Acetone	50.0		ug/Kg	Ų	YES	ຍມ	Ì				LU }		1					•••••	1	1
Benzene	5.00		ug/Kg	U	YES														1	1
Bromobenzene	5.00		ug/Kg	U	YES							1								1
Bromochloromelhane	5.00		ug/Kg	U	YES		1				1					•••••			1	1
Bromodichloromelhane	5.00		ug/Kg	υ	YES		i												1	1
Bromoform	5.00		ug/Kg	U	YES														1	1
Bromomethane	5.00		ug/Kg	U	YES														1	1
Carbon disulfide	5.00		uy/Kg	υ	YES															1
Carbon tetrachloride	5.00		ug/Kg	U	YES				1										1	:
Chlorobenzene	5.00		ug/Kg	U	YES													1	1	1
Chloroethane	5.00	İ	ug/Kg	υ	YES	••••						1			i			·····	:	
Chloroform	5.00	1	ug/Kg	U	YES															:
Chloromethane	5.00	ĺ	ug/Kg	U	YES						1							······		1
cis-1,2-Dichloroethene	5.00	i	ug/Kg	U	YES										1			······· [·····	:
cis 1,3 Dichloropropene	5.00		ид/Кд	U	YES			1				i	· ·			· · · · · · · · · · · · · · · · · · ·			·	
Dibromochloromethane	5.00		ug/Kg	U	YES					1		1	1				1			1
Dibromomethane	5.00	i	ug/Kg	U	YES				1	1		1	[·····					1
Dichlorodifluoromelhane	5.00	1	ug/Kg	υ	YES			1										1		1
Ethyl Benzene	5.00		ug/Kg	U	YES	1			1	ļ]	1				·····				
fexachlorobutadiene	5.00		ug/Kg	U	YES	LΩ	1	· · · · · · · · · · · · · · · · · · ·	1	1	UJ	1				·····	······	1	1	
sopropylbenzene (Cumene)	5.00	1	ug/Kg	υļ	YES				· · · · · · i			Ì	·····	i	·····	· · · · · · i		··· ··· 1		
n.p-Xylene	10.0		ug/Kg	υ	YES	1	1				į	1	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		ii	Í		
Aethyl iodide	5.00		ug/Kg	U	YES				1			·····		1		i		·····		•••••
Aethylene chloride	3.41		ug/Kg	J	YES	Uj	1	Ì	υį			 	i. 	i		···· · · · ·		i	!!	•••••
laphthalene	5.00	1	ug/Kg	υ	YES	IJJ	·····	ii	 1		υJ	·····i		•••••	·····i	ì	·····	·····	!!	• • • • • • • •

Library Used: CampCarroll ADR 8.2 Report Date: 9/6/2011 10:38 Page 178 of 182 • 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

5573

Client Sample ID : Trip Blank (1) Sample Date : 07/18/2011

Lab Report Batch : 31101915

Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

Lab Sample ID: 31101915001

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overali Quaj*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B					Diluti	on: 1												• • • • • •		
n-Bulylbenzene	5.00		ug/Kg	Ų	YES	UJ				1	UJ	1	1	1	1	1	ł	}	1	
n-Propylbenzene	5.00		ug/Kg	Ų	YES	•		••••••				` }			1		1		1	1 <i>-</i> -
o-Xylene	5.00		ug/Kg	υ	YES						: }			/ 	1	•••••	!. <i></i> !		1	!
sec-Buly/benzene	5.00		ug/Kg	U	YES	•••••					i		<u>.</u> [' 	' 		!
Styrene	5.00		ug/Kg	U	YES	ŲJ				1	្រមរ						\ 	<u>.</u>	1	¦ 1
tert-Butyl melhyl ether (MTBE)	5.00		ug/Kg	U	YES					'i		: 					•••••• 	' 	/i	 I
terl-Butylbenzene	5.00		ug/Kg	U	YES							 	<u></u>		/i		! 	 I	1	
Tetrachloroethene	1.08		ug/Kg	J	YES			·····				 {		·			! 	' j	1	/ F
Toluane	5.00		ug/Ky	υ	YES							••••••••••••••••••••••••••••••••••••••			í		!	\ 		:
trans-1,2-Dichloroethene	5.00		ug/Kg	U	YES			·								• • • • • • • • •	1	' [·	:- <i></i>
trans-1,3-Dichloropropene	5.00		ug/Kg	U	YES			·········							·	•••••	!! 	••••• 		:
trans-1,4-Dichloro-2-butene	25.0		ug/Kg	U	YES		1			······				••••••		•••••	•	 	1	
Trichloroethene	5.00		ug/Kg	U	YES		!	······ 		········										
Trichlorofluoromethane	5,00		ug/Kg	U	YES	UJ	·	······	'' 	·····/	υJ		<i>ئ</i> یں۔۔۔۔				''		¦! 	
Vinyl chloride	5.00	;	ug/Kg		YES	<u>؛</u> ۔۔۔۔۔ ا		؛ ا	! 	ن ا				·····	 		!! 		!!	

Project Number and Name:	11-032E - 11-032E Carroll Agent Orange	Library Used:	CampCarroll	
ADR 8.2		Report Date: 9/6/2011 10:38		Page 179 of 182
* Overall result qualifier reflects summ	nation of qualifiers added during automated data review and any qualifiers added manually f	or categories not assessed by automated data	a review	

for categories not assessed by automated data review

5574

Client Sample ID : Trip Blank (2)

Sample Date : 07/18/2011 Lab Sample ID: 31101915022 Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

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eks,

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		Tune	IC	ICV	CV (CC\
Analysis Method : 8260B					Dilutio															
1,1,1,2-Telrachloroelhane	5.00		ug/Kg	U	YES					1					1		1		1	1
I,1,1-Trichloroethane	5.00		ug/Kg	U	YES							` <i>.</i>	` 		1		1		 	 I
1,1,2,2-Yelrachloroethane	5.00		ug/Kg	U	YES				[1				1	:
1,1,2-Trichloroethane	5,00		ug/Kg	U	YES	ļ													 1	:
,1-Dichloroethane	5.00		ug/Kg	υ	YES										1				 	1
i,1-Dichloroethene	5.00		ug/Kg	U	YES								1			•••••	1		/ 	!
,1-Dichloropropene	5.00		ug/Kg	U	YES														/ 	!
1,2,3-Trichlorobenzene	5.00		ug/Kg	U	YES														4	!
2,3 Trichleropropane	5.00		ug/Kg	บ	YES															:
,2,4-Trichlorobenzene	5.00		ug/Kg	υ	YES	UJ					UJ				1 1					
,2,4-Trimethylbenzene	5.00		ug/Kg	U	YES	IJ	·····	··			UJ									••••••
,2-Dibromo-3-chloropropane	30.0		ug/Kg	U	YES	1														 I
,2-Dibromoethane	5.00		ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·						}						1	:
2-Dichlorobenzene	5.00		ug/Kg	υ	YES			·····		·i										:
2-Dichtoroethane	5.00		ug/Kg	U	YES		1	1		······			·····							!
2-Dichloropropane	5.00	1	ug/Kg	U	YES	•••••••				······ 	······	······	······	·····			1			
3,5-Trimelhylbenzene	5,00	1	ug/Kg	U	YES					·····		:i	1	· · · · · · · · · · · · · · · · · · ·			1			
3-Dichlorobenzene	5.00	1	ug/Kg	U	YES		1	1		·····			1							
3-Dichloropropane	5.00	1	ug/Kg	U	YES		1			 		 		· · · · · · · · · /			···· · · ·			
4-Dichlorobenzene	5.00	1	ug/Kg	U	YES				·····			:	·····			· · · · · · · · · ·				
2-Dichloropropane	5.00	··· ··· · · · · · · · · · · · · · · ·	ug/Kg	υ	YES			·····			 		·····?	i						
Butanone	25.0		ug/Kg	U	YES			· · · · ·				···· ···	·····	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · ·				
Chlorofoluene	5.00	1	ug/Kg	U	YES	i. 		Î	· · · · · · · · · · · · · · · · · · ·	 I		 	······				·····			
Hexanone	12.5		ug/Kg	υ	YES	· · <i>· ·</i> · · · · · · · · · · · · · · ·	·i-	i	·····		······ 	·····	······	i		··	 1		·'	
Chlorololuene	5.00	1	ug/Kg	U	YES			÷÷÷÷	/		·····	i		····· i	·····	· · · · · · · · · · · · · · · · · · ·				
Isopropylloluene	5.00	î	ug/Kg	υÎ	YES			Î				· · · · · · · · · · · · · · · · · · ·			········			······		

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* 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

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Client Sample ID : Trip Blank (2)

Sample Date : 07/18/2011 Lab Sample ID: 31101915022 Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overati Qual*	Temn	нт	MB	LCS	MS	Lab Dup	Surr	Rep	Moist Tot/Dis	Field QC	Tune	IC	icv	CV / CCV
Analysis Method : 8260B					Diluti											40		10		004
4-Methyl-2-pentanone	12.5		ug/Kg	U	YES				 	1	1		ł		1				1	<i></i>
Acetone	50.0		ug/Kg	υ	YES	υJ				4	UJ	1	1	! !					/ [1
Benzene	5.00		ug/Kg	U	YES					 			••••••••••••••••••••••••••••••••••••••	: 					/ 	1
Bromobenzene	5.00		ug/Kg	U	YES							· · · · · · · · · · · · · · · · · · ·					!		1	1
Bromochleromethane	5.00		ug/Kg	υ	YES]	; {	 	5 				· - <i></i>	•••••	1	:
Bromodichloromelhane	5,00		ug/Kg	U	YES							` {	' 						·	1
Bramaform	5.00		ug/Kg	U	YES						/ 	·				•••••••			 1	1
Bromomethane	5.00		ug/Kg	U	YES		·	······		 I		` 		••••				•••••	 I	
Carbon disulfide	5.00		ug/Kg	υ	YES							 	: 						 I	:
Carbon telrachloride	5.00		ug/Kg	υ	YES										· 				/ 	:
Chlorobenzene	5.00		ug/Kg	U	YES							: f		•••••					/	1
Chloroethane	5.00		ug/Kg	Ų	YES	1		1		[•••••	 				••••••				!
Chloroform	5.00		ug/Kg	υ	YES			`` 								••••••				/
Chloromelhane	5.00	1	ug/Kg	U	YES	1										·····	······			
cis-1,2-Dichloroelhene	5.00	Ĩ	ug/Kg	υ	YES		1	1								······	······			!
cis-1,3-Dichloropropene	5.00		ug/Kg	U	YES											······		•••••		:
Dibromochloromethane	5.00	1	ug/Kg	U	YES			1												
Dibromomethane	5.00	1	ug/Kg	U	YES			1									 			
Dichlorodifluoromethane	5.00		ug/Kg	υ	YES			1					·/		·····i	······		•••••		
Ethyl Benzene	5.00		ug/Kg	U j	YES			1		· · · · · · · · · · · · · · · · · · ·					·····	···········				
lexachlorobutadiene	5.00		ug/Kg	Ų	YES	UJ	1	1	· · · · · · · · · · · · · · · · · · ·		UJ									
sopropylbenzene (Cumene)	5.00		ug/Kg	U	YES		1	1												
n,p-Xylene	10.0		ug/Kg	U	YES				1	·····							·····			••••• 1
Aethyl iodide	5.00		ug/Kg	U	YES			 		 	······				·· <i>·</i> ····	·····	 1			
Aethylene chloride	3.17		ug/Kg	J	YES	U		ì	υ		 									• • • • • • • •
Vaphthalene	5.00		ug/Kg	U	YES	τυ		i i i i i i i i i i i i i i i i i i i	·····	····· /	UJ	•••••••	· · · · · · · · · · · · · · · · · · ·	i	······	! 1		! 1	·····!	••••

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• 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

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Client Sample ID : Trip Blank (2) Sample Date : 07/18/2011

Lab Report Batch : 31101915 Analysis Type: RES

Lab ID : SGSW Sample Matrix : SO

Lab Sample ID: 31101915022

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	Field QC	Tune	IC	icv	CV/
Analysis Method : 8260B					Diluti	ən: 1			*****											
n-Butylbenzene	5.00		ug/Kg	ປ	YES	UJ			f	[្រហ្វ		1	}			1	i	[1
n-Propyibenzene	5.00		ug/Kg	U	YES					1		 	;			: 	' 		1	1
o-Xylene	5.00		ug/Kg	U	YES				 	1					1	: 	' 	`. <i>.</i>	<u>.</u>	1
sec-Bulylbenzene	5.00		ug/Kg	U	YES				·	: 		 					 1		/	
Styrene	5.00		ug/Kg	v	YES	UJ					i UJ	 		: 	·					
tert-Butyl methyl ether (MTBE)	5.00		ug/Kg	U	YES		····· ··· · · · · · · · · · · · · · ·					¦	• •	' 	!;; 		!			¦
tert-Butylbenzene	5.00		ug/Kg	U	YES			······			/ {	(' }	·	••••			} 	! !
Tetrachioroethene	5.00		ug/Kg	υ	YES		·i	 			: 		: 				!/			[
Toiuene	12.2		ug/Kg		YES		· /	······					\	••••	!! [•••••	 1	!
trans-1,2-Dichloroethene	5.00		ug/Kg	U	YES		i								1 1				¦	!
trans-1,3-Dichloropropene	5.00		ug/Kg	U	YES		·	' 	••••••		1				1 1				л 	! [
trans-1,4-Dichloro-2-butene	25.0		ug/Kg	υ	YES	······									•	••••••			1	¦
Trichloroelhene	5.00		ug/Kg	U	YES	·i	·······	··		••••••	······	······		·····		••••••	؛ ا		!	! [
Trichlorofluoromethane	5.00		ug/Kg	U	YES	IJ	••••••••••••••••••••••••••••••••••••••	 1	·	••••••	UJ		· · · · · · · · · · · · · · · · · · ·		! 		i			
Vinyl chloride	5.00		ug/Kg	υ	YES	·····i	······	<u>،</u>		·····			 1	•••••			·····;	••••••	!!	 1

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ADR 8.2		Report Date: 9/6/2011 10:38		Page 182 of
* Overall result qualifier reflects summ	ation of qualifiers added during automated data review and any qualifiers added manually	for categories not assessed by automated data	a review	

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APPENDIX 2

Automated Data Review Qualification Scheme

and

Definition of Flags



		DAT.	A QUALIF	IER FLAG	
QUALITY		Del	tects		
CONTROL ITEM	EVALUATION	Non Biased	Biased	Nondetects	SAMPLE(S) QUALIFIED
HOLDING TIMES (Extraction and Analysis)	1) Holding time exceeded by 2 times or less	J	J-	UJ	Sample
,	2) Holding time exceeded by greater than 2 times	J	J-	R	
COOLER TEMPERATURE	1) > 6 and <u><</u> 10 degrees Centigrade	J	J-	UJ	All samples shipped in the affected cooler (Shipping Batch)
	2) >10 degrees Centigrade	J	J.,	R	Dateny
	3) < 2 degrees Centigrade	None	None	None	
INSTRUMENT TUNING	1) Ion abundance criteria not met	JN	JN	R	All samples associated to an initial calibration (Run Batch), if tune is associated to an initial calibration.
					All samples associated to a continuing calibration (Analysis Batch), if tune is associated to a continuing calibration.
INITIAL CALIBRATION	1) Average RRF < 0.05	J	J	R	All samples associated to
CALIBRATION	2) %RSD > 30%	J	J	UJ	the initial calibration (Run Batch)
	3) r < 0.995	L	Ŀ	UJ	
INITIAL CALIBRATION	1) Average RRF < 0.05	J	J	R	All samples associated to the ICV (Run Batch)
VERIFICATION (ICV)	2) % Difference > +25%	J	J+	None	
()	3) % Difference < -25% and ≥ - 50%	J	J-	UJ	
	4) % Difference < -50%	J	. ل	R	
CONTINUING CALIBRATION	1) Average RRF < 0.05	J	J	R	All samples associated to the CCV (Analysis Batch)
VERIFICATION (CCV)	2) % Difference > +25%	J	J+	None	the OOV (Analysis balon)
()	3) % Difference < -25% and ≥ - 50%	J	J	UJ	
<u>.</u>	4) % Difference < -50%	J	J-	R	

Qualification Summary for GC/MS Methods

		DAT	A QUALIF	IER FLAG	
QUALITY		De	tects		
CONTROL ITEM	EVALUATION	Non Biased	Biased	Nondetects	SAMPLE(S) QUALIFIED
METHOD BLANK CONTAMINATION			U	None	All samples in the same Preparation Batch as the method blank
	2) Other compound results less than or equal to 5 times blank contamination	U	U	None	
SURROGATE RECOVERY	1) % Recovery < CL but <u>></u> 10%	J	J-	UJ	Sample
	2) % Recovery <10%	Ŀ	J-	D	
	3) % Recovery > CL	J	+L	R	
	Note: For semivolatile analysis, two or more surrogates in a fraction must be out of criteria for qualification unless recovery < 10%.			None	
MATRIX SPIKE RECOVERY	1) % Recovery < CL but ≥ 10%	J	~ل	UJ	Parent Sample
RECOTENT	2) % Recovery <10%	J	J-	R	
	3) % Recovery > CL	J	j+	None	
	4) RPD > CL	J	J	UJ	
LABORATORY CONTROL SAMPLE	 % Recovery < CL but ≥ 10% % Recovery <10% 	J	J-	00	All samples in the same Preparation Batch as the LCS
RECOVERY		J	J-	R	
	3) % Recovery > CL4) RPD > CL	J	J+	None	
	4) RPD > CL	J	J	UJ	
REPORTING LIMITS	 Result greater than the project-reporting limit and lab qualifier = U 	N/A	N/A		Sample (noted on outlier report)
	 Result less than the project- reporting limit where lab qualifier is not U. 	L	J	N/A.	
FIELD DUPLICATES	1) RPD > CL	None.	None	None	Noted in outlier report

Qualification Summary for GC/MS Methods

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		DAT	A QUALIF	IER FLAG	
QUALITY		Det	tects		
CONTROL ITEM	EVALUATION	Non Biased	Biased	Nondetects	SAMPLE(S) QUALIFIED
FIELD BLANKS EQUIPMENT BLANKS	 Common lab contaminants and tentatively identified compound (TIC) results less than or equal to 10 times blank contamination 	U	U	None	All samples in the same sampling event
	2) Other lab contaminant results less than or equal to 5 times blank contamination	U	U	None	
TRIP BLANKS	 Common lab contaminants and tentatively identified compound (TIC) results less than or equal to 10 times blank contamination 	U	U	None	All samples in the same Shipping Batch as the trip blank
	 Other lab contaminant results less than or equal to 5 times blank contamination 	U	U	None	

Qualification Summary for GC/MS Methods

D-3 Automated Data Review and Contract Compliance Screening

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		DAT	A QUALIF	IER FLAG	
QUALITY		an an an an an an an an an an an an an a	tects		
	EVALUATION	Non Biased	Biased	Nondetects	SAMPLE(S) QUALIFIED
HOLDING TIMES (Extraction and Analysis)	1) Holding time exceeded by 2 times or less	J	J-	UJ	Sample
Analysis)	2) Holding time exceeded by greater than 2 times	J	J-	R	
COOLER TEMPERATURE	1) > 6 and <u><</u> 10 degrees Centigrade	J	J۰	IJ	All samples shipped in the affected cooler. (Shipping
		J	J-	R	Batch)
	2) >10 degrees Centigrade 3) < 2 degrees Centigrade	None	None	None	
INITIAL	1) %RSD > 20%	J	J	UJ	All samples associated with
CALIBRATION	2) r < 0.995	J	J	UJ	initial calibration (Run Batch)
INITIAL CALIBRATION	1) % Difference > +25%	J	+ل	None	All samples associated with initial calibration
VERIFICATION (ICV)	2) % Difference < -25% and <u>></u> - 50%	J	J-	UJ	(Run Batch)
	3) % Difference < -50%	J	J-	R	
CONTINUING CALIBRATION	1) % Difference > +15%	J	J+	None	All samples associated with continuing calibration
(CV)	2) % Difference < -15% and <u>></u> - 50%	J	-L	UJ	(Analysis Batch)
	3) % Difference < -50%	J	-ل	R	
METHOD BLANK CONTAMINATION	1) Common lab contaminant results less than or equal to 10 times the blank contamination	U	U		All samples in the same Preparation Batch
	 Other compound results less than or equal to 5 times the blank contamination 	U	U	None	
SURROGATE	1) % Recovery < CL but ≥ 10%	J	J-	UJ	Sample
RECOVERY	2) % Recovery <10%	J	J-	R	
	3) % Recovery > CL	J	J+	None	

Qualification Summary for GC Methods

		DAT	A QUALIF		
QUALITY CONTROL		e miestriessere	tects		
ITEM	EVALUATION	Non Biased	Biased	Nondetects	SAMPLE(S) QUALIFIED
MATRIX SPIKE RECOVERY	1) % Recovery < CL but ≥ 10%	J	J.,	UJ	Parent Sample
	2) % Recovery <10%	J	J-	R	
	3) % Recovery > CL	J	J+	None	
	4) RPD > CL	J	J	UJ	
LABORATORY CONTROL	1) % Recovery < CL but ≥ 10%	J	٦-	UJ	All samples in the same Preparation Batch
SAMPLE RECOVERY	2) % Recovery <10%	J	J-	R	
	3) % Recovery > CL	J	J+	None	
	4) RPD > CL	J	J	UJ	
REPORTING LIMITS	 Result greater than the project-reporting limit and lab qualifier = U. 	N/A	N/A	None	Sample (noted in outlier report)
	 Result less than the project- reporting limit where lab qualifier is not U. 	J	J	N/A.	Sample
FIELD DUPLICATES	1) RPD > CL	None	None	None	Non-compliant results listed in the ADR outlier report
FIELD BLANKS EQUIPMENT BLANKS	1) Common lab contaminant results within 10 times blank contamination	U	U	None	All samples in the same sampling event
	 Other lab contaminant results within 5 times blank contamination 	U	U	None	
TRIP BLANKS	1) Common lab contaminant results within 10 times blank contamination	U	U	None	All samples in the same Shipping Batch
	2) Other lab contaminant results within 5 times blank contamination	U	U	None	

Qualification Summary for GC Methods

		DAT	A QUALIF	IER FLAG	
QUALITY			tects		
CONTROL ITEM	EVALUATION	Non Biased	Biased	Nondetects	SAMPLE(S) QUALIFIED
HOLDING TIMES	1) Holding time exceeded by 2 times or less	J	_ل	UJ	Sample
	2) Holding time exceeded by greater than 2 times	J	J	R	
INITIAL CALIBRATION	1) r < 0.995	J	J	UJ	All samples associated with initial calibration (Run Batch)
INITIAL CALIBRATION VERIFICATION (ICV)	1) % Recovery > 110% but ≤ 125% (Hg, % Recovery > 120% but ≤ 135%)	J	+L	None	All samples associated with initial calibration verification (Run Batch)
(10 V)	2) % Recovery > 125% (Hg, % Recovery > 135%)	R	R	None	
	 % Recovery < 90% but ≥75% (Hg, % Recovery < 80% but ≥ 65%) 	J	-L	IJ	
	4) % Recovery < 75% (Hg, % Recovery < 65%)	R	R	R	
CALIBRATION VERIFICATION	1) % Recovery > 110% but ≤ 125% (Hg, % Recovery > 120% but ≤ 135%)	J	J+	None	All samples associated with continuing calibration (Analysis Batch)
	2) % Recovery > 125% (Hg, % Recovery > 135%)	R	R	None	
	 % Recovery < 90% but ≥ 75% (Hg, % Recovery < 80% but ≥ 65%) 	Ļ	-ل	UJ	
	4) % Recovery < 75% (Hg, % Recovery < 65%)	R	R	R	
METHOD BLANK CONTAMINATION	Sample results less than or equal to 5 times the blank contamination	U	U		All samples in the same Preparation Batch
MATRIX SPIKE RECOVERY	1) % Recovery < CL but <u>></u> 30%	J	J-		All samples in the same Method Batch
	2) % Recovery <30%	J	-L	R	
	3) % Recovery > CL	J	+L	None	
	4) RPD > CL	J	J	UJ	

Qualification Summary for Metals Methods

Laboratory Data Consultants, Inc.

		DAT	A QUALIF	IER FLAG	
QUALITY		Det	ects		
CONTROL ITEM	EVALUATION	Non Biased	Biased	Nondetects	SAMPLE(S) QUALIFIED
LABORATORY CONTROL	1) % Recovery < CL but \geq 50%	J	J-	IJ	All samples in the same Preparation Batch
SAMPLE	2) % Recovery <50%	J	⊶ل	R	Freparation Batch
RECOVERT	3) % Recovery > CL	J	J+	None	
	4) RPD > CL	J	J	UJ	
REPORTING LIMITS	 Result greater than the project-reporting limit and lab qualifier = U 	N/A	N/A.	None	Sample (noted in outlier report)
	 Result less than the project reporting limit where lab qualifier is not U. 	J	J	N/A.	Sample
FIELD DUPLICATES	RPD > CL	None	None	None	Non-compliant results listed in the ADR outlier report
FIELD BLANKS EQUIPMENT BLANKS	Sample results within 5 times blank contamination	U	U	None	All samples in the same sampling event

Qualification Summary for Metals Methods

Laboratory Data Consultants, Inc.

Data Qualifier Definitions

The following definitions provide brief explanations of the national qualifiers assigned to results in the data review process. If the Regions choose to use additional qualifiers, a complete explanation of those qualifiers should accompany the data review.

U	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method.
յ	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL).
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.
R	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
С	This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).
x	This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.

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Chemical Data Validation Report for Camp Carroll Agent Orange Investigation

Far East District Project Number 11-032E

Phase:	Phase 1 Soil Sampling
Laboratory:	SGS North America Inc.
Method:	SW 846 Methods 6010c, 7471b, 8081, 8151a, 8260b, and 8270d.
Sample Group:	31101872
Date:	6 September 2011
Validator:	66
US Army Engine	er District, Honolulu

SUMMARY: Results for organic analyses were evaluated in accordance with *National Functional Guidelines for Superfund Organic Methods Data Review*, OSWER 9240.1-48, June 2008. Laboratory data packages were reviewed for preservation, holding times, blanks, surrogate spikes, matrix spike/matrix spike duplicates and laboratory control samples (Blank spikes). Evaluation for these parameters is considered to be a "Level 2b" Data Validation.

This report includes a discussion of the evaluation, identification of reported results which need to be qualified (flagged) due to quality control issues or deficiencies, and the reasons for the flags. The evaluation showed that the data is generally of acceptable quality with some results for specific analytes being rejected or qualified as estimated.

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No performance evaluation or reference samples were reported with any batches.

Data Processing. Analytical results were provided in an electronic format which could be reviewed by a computer. The data was processed by Automated Data Review [®] (ADR) Version 8.2, by Laboratory Data Consultants of Carlsbad California. ADR compares laboratory data packages to user selectable criteria. The criteria utilized for this evaluation was based on SW846 criteria for sample handling and holding time, the SGS standard Quality Control criteria (Matrix Spike/Matrix Spike Duplicate and lab control sample recoveries, surrogate recoveries, and relative percent differences for replicate analyses). Instrument calibration and raw data were not evaluated.

Outliers (results which exceeded the Project Quality Control limits) are identified in Appendix 1. Some methods, most notably 8081 and 6010 post duplicate results for each analyte due to the manner in which the laboratory prepared the electronic files. Rules for flagging of samples are found in Appendix 2, detection qualifier flags were set as nonbiased. A description of the USEPA data qualifier definitions is also provided in Appendix 2.

Sample Preservation. All samples must be protected from light and refrigerated at $4 \pm 2^{\circ}$ C from the time of receipt (time of collection when possible) until the time of extraction. All samples were received by the laboratory at temperatures between 1° and 3° C. The temperature discrepancy is slight and does not affect the validity of any data.

Holding Times. The maximum allowable holding time between sample collection and sample preparation or sample preparation and sample analysis depends on the analyte. All samples were prepared and analyzed within the method specified allowable holding times. There are no holding time discrepancies.

Laboratory Control Samples. Laboratory control sample (LCS) outliers are shown in Appendix 1. LCSs are samples, usually of the same matrix, which are prepared and analyzed together with the field samples. An LCS is associated with a preparation and analytical batch. If an analytical result for an LCS is outside the prescribed limits, the entire batch is flagged for that analyte.

Hexachlorocyclopentadiene LCS results for Method 8270 were unacceptably high (>1500% recovery) in both batches for this Sample Group and Hexachlorocyclopentadiene results should be rejected. All other results were either acceptable or require flagging as identified in the sample Qualification Report in Appendix 1.

Matrix Spike/Matrix Spike Duplicate (MS/MSD). A matrix spike and matrix spike duplicate pair are used to document the bias of a method in a given sample matrix. An aliquot of sample is fortified (spiked) with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

For these analyses, laboratory control blanks or field samples were fortified at levels approximately five times the lower limit of quantitation (Method Reporting Limit).

Alpha-Chlordane results for Method 8081 MS/MSD were unacceptably low. The field sample used for

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the MS/MSD calculation had high levels of Lindane, which likely interfered with the successful calculation of the Chlordane and other organochlorine (OC) pesticide results. This matrix interference causes some of the OC pesticides to be J flagged as "estimated" although it is clear from the LCS sample and surrogates that the compounds were successfully extracted and analyzed. Alpha-Chlordane results do not need to be rejected for this Sample Group since the LCS was in control as were the individual sample surrogates.

Hexachlorocyclopentadiene results for Method 8270 MS/MSD were unacceptably high in all batches and should be rejected for this Sample Group.

Surrogate Spike Recoveries. A surrogate is a pure compound different from, but similar enough to the analyte that, when added at a known concentration to the sample prior to processing, provides a measure of the overall efficiency of the method (recovery). Surrogates have chemical characteristics that are similar to that of the analyte and must provide an analytical response that is distinct from that of the analyte. Surrogates must be unlikely to be found in environmental samples and are added to them for quality control purposes.

Surrogates are only evaluated for samples diluted less than twenty times since overdilution lowers the level of the surrogate below the reporting limit. Samples with high levels of target analytes require dilution. Nearly all surrogate analyses were successful, indicating good method performance for the organic analyses. Outliers are shown in the Surrogate Outlier Recovery Report in Appendix 1.

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APPENDIX 1

Automated Data Review Results



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boratory Reporting Batch :			Laboratory :		Lab Report Date :					
nalysis Method Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date		
	a na practica na series. Na practica na series de la series de la series de la series de la series de la series de la series de la serie					se de parte des	gra varane			
010C										
E11-113-S1	31101872016	RES	30508	so	07/13/2011	07/15/2011	07/18/2011	07/19/2011		
			3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011		
E11-113-S2	31101872017		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011		
			30508	\$0	07/13/2011	07/15/2011	07/18/2011	07/19/2011		
E11-113-S3	31101872018		3050B	so	07/13/2011	07/15/2011	07/18/2011	07/19/2011		
			3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011		
E11-113-S4	31101872019		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011		
			30508	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011		
E11-114-S1	31101872021		3050B	so	07/12/2011	07/15/2011	07/18/2011	07/19/2011		
			3050B	SO	07/12/2011	07/15/2011	07/18/2011	07/18/2011		
E11-114-S2	31101872022		3050B	SO	07/12/2011	07/15/2011	07/18/2011	07/19/2011		
			3050B	SO	07/12/2011	07/15/2011	07/18/2011	07/18/2011		
E11-114-S3	31101872023		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011		
	••••••		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011		
E11-114-S4	31101872024	•••••••••••••••••••••••••••••••••••••••	3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011		
			3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011		
E11-115-S1	31101872027		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011		
		•••••	3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011		
E11-115-S2	31101872028		30508	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011		
			3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011		
E11-115-S3	31101872029	••••••	3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011		
·			30508	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011		
E11-115-S4	31101872030		30508	so	07/13/2011	07/15/2011	07/18/2011	07/18/2011		
			3050B	so	07/13/2011	07/15/2011	07/18/2011	07/19/2011		
E11-116-S1	31101872033	•••••••	3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011		
	5.101072000		3050B		07/13/2011	07/15/2011	07/18/2011			
E11-116-S2	31101872034		3050B		07/13/2011			07/18/2011		
			3050B		07/13/2011	07/15/2011	07/18/2011	07/18/2011		

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aboratory Rep	orting Batch: 31	101872		Laboratory : S	SGSW		Lab	Report Date	: 08/22/20
Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
	E11-116-S3	31101872035	RES	3050B	so	07/13/2011	07/15/2011	07/18/2011	07/18/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
	E11-116-S4	31101872036		30508	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
	E11-118-S1	31101872002		3050B	SO	07/12/2011	07/15/2011	07/18/2011	07/18/2011
	E11-118-S2	31101872003		3050B	SO	07/12/2011	07/15/2011	07/18/2011	07/18/2011
	E11-118-S3	31101872004		3050B	SO	07/12/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	so	07/12/2011	07/15/2011	07/18/2011	07/19/2011
	E11-118-S4	31101872005		3050B	SO	07/12/2011	07/15/2011	07/10/2011	07/19/2011
				3050B	SO	07/12/2011	07/15/2011	07/18/2011	07/19/2011
	E11-119-S1	31101872006		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				30508	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
	E11-119-S2	31101872007		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
	E11-119-S3	31101872008		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
	E11-119-S4	31101872009		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
	E11-124-S1	31101872010		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
	E11-124-S2	31101872011		3050B	so	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	so	07/13/2011	07/15/2011	07/18/2011	07/19/2011
	E11-124-S3	31101872012		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
	E11-124-S4	31101872013	•••••••••••••••••••••••••••••••••••••••	3050B	so	07/13/2011	07/15/2011	07/18/2011	07/18/2011
171B									
	E11-113-S1	31101872016	RES	74718	so	07/13/2011	07/15/2011	07/18/2011	07/18/2011
	E11-113-\$2	31101872017		7471B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
	E11-113-\$3	31101872018		7471B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
	E11-113-S4	31101872019		7471B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011

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boratory Rep	oorting Batch: 31	101872		Laboratory : S	SGSW	Lab	. 08/22/201		
Analysis Method	I Client Sample ID	Lab Sample (D	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
	E11-114-S1	31101872021	RES	7471B	SO	07/12/2011	07/15/2011	07/18/2011	07/18/2011
	E11-114-S2	31101872022		74718	SO	07/12/2011	07/15/2011	07/18/2011	07/18/2011
	E11-114-\$3	31101872023		74718	SO	07/13/2011	07/15/2011	07/19/2011	07/19/2011
	E11-114-S4	31101872024		74718	SO	07/13/2011	07/15/2011	07/19/2011	07/19/2011
	E11-115-S1	31101872027		74718	SO	07/13/2011	07/15/2011	07/19/2011	07/19/2011
	E11-115-S2	31101872028		7471B	SO	07/13/2011	07/15/2011	07/19/2011	07/19/2011
	E11-115-S3	31101872029		7471B	ŝÖ	07/13/2011	07/15/2011	07/19/2011	07/19/2011
	E11-115-S4	31101872030		7471B	SO	07/13/2011	07/15/2011	07/19/2011	07/19/2011
	E11-116-S1	31101872033		7471B	ŝõ	07/13/2011	07/15/2011	07/19/2011	07/19/2011
	E11-116-S2	31101872034		7471B	SO	07/13/2011	07/15/2011	07/19/2011	07/19/2011
	E11-116-S3	31101872035	••••••	74718	SO	07/13/2011	07/15/2011	07/19/2011	07/19/2011
	E11-116-S4	31101872036	• • • • • • • • • • • • • • • • • • • •	74718	so	07/13/2011	07/15/2011	07/19/2011	07/19/2011
	E11-118-S1	31101872002		7471B	so	07/12/2011	07/15/2011	07/18/2011	07/18/2011
•••••	E11-118-S2	31101872003	•••••	7471B	SO	07/12/2011	07/15/2011	07/18/2011	07/18/2011
	E11-118-S3	31101872004		7471B	SO	07/12/2011	07/15/2011	07/18/2011	07/18/2011
	E11-118-S4	31101872005		7471B	so	07/12/2011	07/15/2011	07/18/2011	07/18/2011
	E11-119-S1	31101872006		7471B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
	E11-119-S2	31101872007		7471B	so	07/13/2011	07/15/2011	07/18/2011	07/18/2011
	E11-119-S3	31101872008		74718	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
	E11-119-S4	31101872009		7471B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
	E11-124-S1	31101872010		7471B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
	E11-124-S2	31101872011		7471B	ŝõ	07/13/2011	07/15/2011	07/18/2011	07/18/2011
	E11-124-S3	31101872012		7471B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
	E11-124-S4	31101872013		7471B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
81									
	E11-113-S1	31101872016	RES	3541	so	07/13/2011	07/15/2011	07/16/2011	07/22/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011
	E11-113-S2	31101872017	DL	3541	so	07/13/2011	07/15/2011	07/16/2011	07/22/2011
		·····		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011
	E11-113-S3	31101872018		3541	so	07/13/2011	07/15/2011	07/16/2011	07/20/2011

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boratory Rep	orting Batch: 31	101872		Laboratory : S	SGSW		Lab	Report Date :	08/22/201	
Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date	
	E11-113-S3	31101872018	DL	3541	SO	07/13/2011	07/15/2011	07/16/2011	07/20/2011	
	E11-113-\$4	31101872019		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/20/2011	
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/20/2011	
	E11-114-S1	31101872021	RES	3541	SO	07/12/2011	07/15/2011	07/16/2011	07/20/2011	
		•••••••••••••••••••••••••••••••••••••••		3541	SO	07/12/2011	07/15/2011	07/16/2011	07/21/2011	
	E11-114-S2	31101872022		3541	SO	07/12/2011	07/15/2011	07/16/2011	07/22/2011	
				3541	SO	07/12/2011	07/15/2011	07/16/2011	07/22/2011	
	E11-114-S3	31101872023		3541	so	07/13/2011	07/15/2011	07/16/2011	07/22/2011	
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011	
	E11-114-S4	31101872024		3541	so	07/13/2011	07/15/2011	07/16/2011	07/22/2011	
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011	
	E11-115-S1	31101872027	•	3541	so	07/13/2011	07/15/2011	07/16/2011	07/22/2011	
				3541	so	07/13/2011	07/15/2011	07/16/2011	07/22/2011	
	E11-115-S2	31101872028	•••••	3541	so	07/13/2011	07/15/2011	07/16/2011	07/22/2011	
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011	
	E11-115-S3	31101872029		3541	so	07/13/2011	07/15/2011	07/16/2011	07/22/2011	
			•••••	3541	so	07/13/2011	07/15/2011	07/16/2011	07/22/2011	
	E11-115-S4	31101872030		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011	
		***************************************		3541	so	07/13/2011	07/15/2011	07/16/2011	07/22/2011	
	E11-116-S1	31101872033		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/23/2011	
••••••	••••			3541	so	07/13/2011	07/15/2011	07/16/2011	07/23/2011	
	E11-116-S2	31101872034		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/23/2011	
		•••••		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/23/2011	
	E11-116-S3	31101872035	•••••	3541	\$0	07/13/2011	07/15/2011	07/16/2011	07/23/2011	
				3541	\$0	07/13/2011	07/15/2011	07/16/2011	07/23/2011	
	E11-116-S4	31101872036		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/23/2011	
				3541	so	07/13/2011	07/15/2011	07/16/2011	07/23/2011	
	E11-118-S1	31101872002		3541	SO	07/12/2011	07/15/2011	07/16/2011	07/19/2011	
				3541	SO	07/12/2011	07/15/2011	07/16/2011	07/19/2011	
	11-118-S2	31101872003	DL	3541	SO	07/12/2011	07/15/2011	07/16/2011	07/22/2011	

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boratory Rep	orting Batch: 31	101872		Laboratory : S	SGSW		Lab	Report Date	: 08/22/207	
nalysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date	
	E11-118-S2	31101872003	DL	3541	SO	07/12/2011	07/15/2011	07/16/2011	07/22/2011	
	E11-118-S3	31101872004		3541	SO	07/12/2011	07/15/2011	07/16/2011	07/22/2011	
				3541	SO	07/12/2011	07/15/2011	07/16/2011	07/22/2011	
	E11-118-S4	31101872005	RES	3541	SO	07/12/2011	07/15/2011	07/16/2011	07/22/2011	
			*********	3541	SO	07/12/2011	07/15/2011	07/16/2011	07/22/2011	
	E11-119-S1	31101872006		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/19/2011	
		•••••••••••••••••••••••••••••••••••••••		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/19/2011	
	E11-119-S2	31101872007		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/19/2011	
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/19/2011	
	E11-119-S3	31101872008	• • • • • • • • • • • • • • • • • • • •	3541	SO	07/13/2011	07/15/2011	07/16/2011	07/19/2011	
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/19/2011	
	E11-119-S4	31101872009		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/19/2011	
	••••			3541	SO	07/13/2011	07/15/2011	07/16/2011	07/19/2011	
•••••	E11-124-S1	31101872010	•••••••••••••••••••••••••••••••••••••••	3541	SO	07/13/2011	07/15/2011	07/16/2011	07/19/2011	
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/19/2011	
	E11-124-S2	31101872011	DL	3541	so	07/13/2011	07/15/2011	07/16/2011	07/27/2011	
				3541	so	07/13/2011	07/15/2011	07/16/2011	07/27/2011	
•••••	E11-124-S3	31101872012		3541	so	07/13/2011	07/15/2011	07/16/2011	07/20/2011	
••••••			•••••••••••••••••••••••••••••••••••••••	3541	so	07/13/2011	07/15/2011	07/16/2011	07/20/2011	
	E11-124-S4	31101872013		3541	so	07/13/2011	07/15/2011	07/16/2011		
				3541	so	07/13/2011	07/15/2011	07/16/2011	07/20/2011	
51										
	E11-113-S1	31101872016	RES	3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011	
	E11-113-S2	31101872017		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011	
				3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011	
	E11-113-S3	31101872018		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011	
í	E11-113-S4	31101872019		3541	so	07/13/2011	07/15/2011	07/15/2011	07/21/2011	
	E11-114-S1	31101872021		3541	SO	07/12/2011	07/15/2011	07/15/2011	07/21/2011	
	E11-114-S2	31101872022		3541	SO	07/12/2011	07/15/2011	07/15/2011	07/21/2011	
E	E11-114-S3	31101872023		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011	

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boratory Rep	orting Batch: 31	101872		Laboratory : S	SGSW		Lab	Report Date	: 08/22/201	
Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date	
	E11-114-S4	31101872024	RES	3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011	
	E11-115-S1	31101872027		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011	
	E11-115-S2	31101872028		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011	
	E11-115-S3	31101872029		3541	so	07/13/2011	07/15/2011	07/15/2011	07/21/2011	
	E11-115-\$4	31101872030		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011	
	E11-116-S1	31101872033		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011	
	E11-116-S2	31101872034		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011	
	E11-116-S3	31101872035		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011	
	E11-116-S4	31101872036	****-	3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011	
	E11-118-S1	31101872002		3541	SO	07/12/2011	07/15/2011	07/15/2011	07/22/2011	
	E11-118-S2	31101872003	•••••••••	3541	SO	07/12/2011	07/15/2011	07/15/2011	07/22/2011	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	••••••	3541	SO	07/12/2011	07/15/2011	07/15/2011	07/22/2011	
	E11-118-S3	31101872004		3541	SO	07/12/2011	07/15/2011	07/15/2011	07/22/2011	
	E11-118-S4	31101872005		3541	SO	07/12/2011	07/15/2011	07/15/2011	07/22/2011	
	E11-119-S1	31101872006		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/22/2011	
	E11-119-S2	31101872007		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/22/2011	
	E11-119-S3	31101872008		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/22/2011	
	E11-119-S4	31101872009		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/22/2011	
	E11-124-S1	31101872010		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/22/2011	
	E11-124-S2	31101872011		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/22/2011	
			·····	3541	so	07/13/2011	07/15/2011	07/15/2011	07/22/2011	
	E11-124-S3	31101872012		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/22/2011	
	E11-124-S4	31101872013		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/22/2011	
60B			an ayan di Yanya ku							
	E11-113-S1	31101872016	RES	5035	so	07/13/2011	07/15/2011	07/16/2011	07/16/2011	
	E11-113-S2	31101872017		5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011	
	E11-113-\$3	31101872018		5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011	
	E11-113-S4	31101872019		5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011	
	E11-114-S1	31101872021		5035	SO	07/12/2011	07/15/2011	07/16/2011	07/16/2011	
	E11-114-S2	31101872022		5035	SO	07/12/2011	07/15/2011	07/16/2011	07/16/2011	

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Analysis Method	I Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date	
	E11-114-S3	31101872023	RES	5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011	
	E11-114-S4	31101872024		5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011	
	E11-115-S1	31101872027		5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011	
	E11-115-S2	31101872028		5035	so	07/13/2011	07/15/2011	07/18/2011	07/18/2011	
	E11-115-S3	31101872029		5035	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011	
	E11-115-S4	31101872030		5035	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011	
	E11-116-S1	31101872033		5035	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011	
	E11-116-S2	31101872034		5035	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011	
	E11-116-\$3	31101872035		5035	SO	07/13/2011	07/15/2011	07/18/2011	07/10/2011	
	E11-116-S4	31101872036	******	5035	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011	
	E11-118-S1	31101872002		5035	SO	07/12/2011	07/15/2011	07/16/2011	07/16/2011	
	E11-118-S2	31101872003	DL	5035	SO	07/12/2011	07/15/2011	07/16/2011	07/16/2011	
	E11-118-S3	31101872004	RES	5035	\$0	07/12/2011	07/15/2011	07/18/2011	07/18/2011	
	E11-118-S4	31101872005		5035	SO	07/12/2011	07/15/2011	07/19/2011	07/19/2011	
	E11-119-S1	31101872006		5035	ŝO	07/13/2011	07/15/2011	07/16/2011	07/16/2011	
	E11-119-S2	31101872007	DL	5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011	
	E11-119-S3	31101872008	•••••	5035	so	07/13/2011	07/15/2011	07/16/2011	07/16/2011	
	E11-119-S4	31101872009	RES	5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011	
	E11-124-S1	31101872010	••••••	5035	\$0	07/13/2011	07/15/2011	07/16/2011	07/16/2011	
	E11-124-S2	31101872011		5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011	
	E11-124-S3	31101872012		5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011	
	E11-124-S4	31101872013		5035	\$0	07/13/2011	07/15/2011	07/16/2011	07/16/2011	
	Trip Blank (0950)	31101872020		5035	SO	07/12/2011	07/15/2011	07/16/2011	07/16/2011	
	Trip Blank (0953)	31101872001		5035	SO	07/12/2011	07/15/2011	07/16/2011	07/16/2011	
'0D			· · · · · · · · · · · · · · · · · · ·							
	E11-113-S1	31101872016	RES	3541	so	07/13/2011	07/15/2011	07/17/2011	07/19/2011	
	E11-113-S2	31101872017		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/20/2011	
	E11-113-S3	31101872018		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/19/2011	
	E11-113-S4	31101872019		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/19/2011	
	E11-114-S1	31101872021		3541	SO	07/12/2011	07/15/2011	07/17/2011	07/19/2011	

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aboratory Rep	orting Batch: 31		Laboratory : SGSW				Lab Report Date :		
Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
	E11-114-S2	31101872022	RES	3541	ŝõ	07/12/2011	07/15/2011	07/17/2011	07/19/2011
	E11-114-S3	31101872023		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/19/2011
	E11-114-S4	31101872024		3541	\$O	07/13/2011	07/15/2011	07/17/2011	07/19/2011
	E11-115-S1	31101872027		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/19/2011
	E11-115-S2	31101872028		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/20/2011
	E11-115-S3	31101872029		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/20/2011
	E11-115-S4	31101872030		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/20/2011
	E11-116-S1	31101872033	·····	3541	SO	07/13/2011	07/15/2011	07/17/2011	07/20/2011
	E11-116-S2	31101872034	•••••	3541	SO	07/13/2011	07/15/2011	07/17/2011	07/20/2011
	E11-116-S3	31101872035	· · · · · · · · · · · · · · · · · · ·	3541	SO	07/13/2011	07/15/2011	07/17/2011	07/20/2011
	E11-116-S4	31101872036	· · · · · · · · · · · · · · · · · · ·	3541	SO	07/13/2011	07/15/2011	07/17/2011	07/20/2011
	E11-118-S1	31101872002		3541	SO	07/12/2011	07/15/2011	07/17/2011	07/18/2011
1	E11-118-S2	31101872003		3541	so	07/12/2011	07/15/2011	07/17/2011	07/18/2011
1	E11-118-S3	31101872004		3541	so	07/12/2011	07/15/2011	07/17/2011	07/18/2011
ł	E11-118-S4	31101872005		3541	SO	07/12/2011	07/15/2011	07/17/2011	07/18/2011
l	E11-119-S1	31101872006		3541	so	07/13/2011	07/15/2011	07/17/2011	07/18/2011
ł	E11-119-S2	31101872007		3541	so	07/13/2011	07/15/2011	07/17/2011	07/18/2011
E	E11-119-S3	31101872008		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/18/2011
£	E11-119-S4	31101872009		3541	so	07/13/2011	07/15/2011	07/17/2011	07/18/2011
E	E11-124-S1	31101872010		3541	so	07/13/2011	07/15/2011	07/17/2011	07/18/2011
E	11-124-S2	31101872011	•••••	3541	so	07/13/2011	07/15/2011	07/17/2011	07/18/2011
Ε	E11-124-S3	31101872012		3541	so	07/13/2011	07/15/2011	07/17/2011	07/18/2011
E	11-124-54	31101872013	****	3541	SO	07/13/2011	07/15/2011	07/17/2011	07/18/2011

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