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Client Sample ID : E11-145-S2

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889030

Reviewed By / Date :

Approved By / Date :

		(Incortaints: I	Doeu!	Lab	Pon	Overal						Lab		Dan	Moies	Einte				
Analyte Name	Result	Uncertainty / Error	Result Units	Qual			l Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV
Analysis Method : 8260B					Dilutio	on: 1														
tert-Butylbenzene	4.09	1	ug/Kg	Ü	YES	ĐIJ	1			}] UJ				1 3				1	1
Tetrachloroethene	4.09		ug/Kg	V	YES	ΩJ					UJ						,		1	1
Toluene	4.09		ug/Kg	U	YES	UJ					ŲJ	į								
trans-1,2-Dichloroethene	4.09		ug/Kg	U	YES	UJ	ļ J				IJ	ĺ	1						1	
trans-1,3-Dichloropropene	4.09		ug/Kg	U	YES	UJ					UJ		ļ				1		1	
Irans-1,4-Dichloro-2-butene	20.4		ug/Kg	υ	YES		[]		l				[l			į]	1
Trichloroethene	4.09		ид/Кд	U	YES	IJ					UJ	1	1						1	l
Trichlorofluoromethane	4.09		ug/Kg	U	YES	נט	 				UJ	1								
Vinyl chloride	4.09		ug/Kg	U	YES	ΠΊ					IJ	(1	1
Analysis Method : 8270D					Dilutio	n: 1														
1,2,4-Trichlorobenzene	346	!	ug/Kg	υ	YES :		11			1		l	[]							l
1,2-Dichlorobenzene	346	[ug/Kg	U	YES		l					1								1
1,3-Dichiorobenzene	346		ug/Kg	U	YES		1			i		l				ļ	1			1
1,4-Dichlorobenzene	346		ug/Kg	U	YES							l								1
2,4,5-Trichlorophenol	346	<u> </u>	ug/Kg	υį	YES		i !		!				l							i
2,4,6-Trichlorophenol	346		ug/Kg	U	YES		l						<u> </u>		1	1				1
2,4-Dichlorophenol	346	<u> </u>	ug/Kg	υ	YES							[<u> </u>		1					
2,4-Dimethylphenol	346		ug/Kg	υ	YES :]					- 1	1	1				
2,4-Dinitrotoluene	346		սց/Кე	11	YES				١					-		1				
2,6-Dinitrotoluene	346	į	ug/Kg	u	YES			l	1				}			-	1			
2-Chloronaphthalene	340	İ	սց/Ky i	U	YE3				-				j	1	1	-	1			
2-Chlorophenol	346		ug/Kg	U	YES				1	Į										
2-Methylnaphthalene	346	:	ug/Kg	U	YES		1	-		1			Ì			. 1			· · · · · · · · · · · · · · · · · · ·	
2-Methylphenol	346		ยg/Kg	U	YES			. 1				ı	1	i						
2-Nitroaniline	346	;	ug/Kg	Ų	YES		1					١	}	1	1		1		1	
2-Nitrophenol	346	:	ug/Kg	U	YES :	ĺ	1	. 1	1	I				1	}	Ï	(1	
3 and/or 4-Methylphenol	346	1	ug/Kg	u i	YES	I	1	1	1			I		1	!				i	

Project Number and Name:

ADR 8.2

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

Library Used: CampCarroll

Report Date: 9/6/2011 09:53

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

Client Sample ID: E11-145-S2

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date: 07/17/2011 Lab Sample ID: 31101889030 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Quai*		нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CCV
Analysis Method : 8270D					Dilutio	on: 1					****************									
3-Nitroaniline	346		ug/Kg	U	YES				1	1	i			j	1 1		1	on construction of the	1	Ī
4-Bromophenyl phenyl ether	346		⊔g/Kg	U	YES									}	1				1	1
4-Chloro-3-methylphenol	346		ug/Kg	U	YES			,,.,,	[1	Į									
4-Chloroaniline	346		ug/Kg	U	YES				1											
4-Chlorophenyl phenyl ether	346		ug/Kg	U	YES								1				}			
4-Nitroaniline	346		ug/Kg	U	YES												l			
4-Nitrophenol	346		ug/Kg	U	YES														l	1
Acenaphthene	346		ug/Kg	U	YES														1	l
Acenaphlhylene	346		ug/Kg	Ü	YES										i i		1		l	
Anthracene	346		ug/Kg	U	YES														i	i
Benzo(a)anthracene	346	i i	ug/Kg	U	YES)]		1	[
Benzo(s)pyrene	346	[ug/Kg	U	YES														i	i
Benzo(b)fluoranthene	346	: <u>-</u>	ug/Kg	υ	YES		i						i,				,		 	i
Benzo(g,h,i)perylene	346		ug/Kg	U	YES		1											• • • • • • • • • • • • • • • • • • • •	 	: [
Benzo(k)fluoranthene	346		ug/Kg	U	YES		1													ĺ
Bis(2-Chloroethoxy)methane	346		ид/Кд	U	YES						1									i
Bis(2-Chloroethyl)ether	346		ид/Кд	U	YES		1					·····i					ii			1
Bis(2-Chloroisopropyl)elher	346		ug/Kg	U	YES		i	i			1	·····i		i			· · · · · · · · ·			1
Bis(2-Ethylhexyl)phthalate	346		ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·	i			·····	·····i		· · · · · · i		· · · · · · i			`	1
Butyt benzyl phthalate	346		ug/Kg	U	YES	· · · · · · · · i		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	i			i	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		····			
Chrysene	345	:	ug/Kg	U	YES	i	· · · · · i	î	· · · · · · ·	i		j	i	í	i	Ì	i			
Dibenz(a,h)anthracene	346		ug/Kg	υ	YES	·······		ì	······································		·····	i								
Dibenxofuran	346		ug/Kg	U.	YES			· · · · · · · · · · · · · · · · · · ·	·····i		: 		······		1					
Diethyl phthalate	346		ug/Kg	U	YES	i I		<u>.</u>		! 	·······	·······:		! 		! 		 I	· · · · · · · · · · · · · · · · · · ·	
Dimethyl phlhalate	346	······	ug/Kg	Ü	YES			· · · · · · · · · · · · · · · · · · ·		ا	·······!	: i		·····:		·¹	·····		! I	
Di-n-butyl phthalale	346		ид/Кд		YES		· · · · · · · · · · · · · · · · · · ·			·····/		/! }	!	······!		· · · · · · · · · · · · · · · · · · ·	·····		!	

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

Library Used: CampCarroll

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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: E11-145-S2

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011

Reviewed By / Date:

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889030

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CCV
Analysis Method : 8270D					Diluti	on: 1														
Di-n-octyl phihalate	346	;	ug/Kg	Ų	YES		1	Ì	1	1	-	i		1			1			1
Fluoranthene	346	;	ug/Kg	U	YES		(1	[1] }				[1
Fluorene	346		ug/Kg	U	YES	:						}			1				1	l
Hexachlorobenzene	346		ug/Kg	บ	YES	:			1]			ĺ]	1				1	
Hexachlorobutadiene	346		ug/Kg	U	YES				1	1									1	i
Hexachtorocyclopentadiene	346		ug/Kg	U	YES		1				}									1
Hexachloroethane	346		ug/Kg	υ	YES				1		1	<u> </u>	1		1		[1
Indeno(1,2,3-cd)pyrene	346		ug/Kg	U	YES				1		i	}	` 	: 	1		i	` · 	: 	i I
Isophorone	346		ug/Kg	U	YES	} !			l		 	: 	: 	i 	i	*******			: 	:
Naphthalene	346		ug/Kg	U	YES				! 		}				i i				i I	i
Nilrobenzene	346		ид/Ко	U	YES								: 		[]			••	: 	i
n-Nitrosodi-n-propylamine	346		ug/Kg	บ	YES										i i)		i	
Pentachlorophenol	346		⊔g/Kg	U	YES	IJ				UJ					i) 	i
Phenanihrene	346	i	ug/Kg	U	YES		·								i				······	i
Phenal	346		ug/Kg	U	YES										· <u>·</u>		······		/ 	
Pyrene	346	· · · · · · · · · · · · · · · · · · ·	ug/Kg	u	YES						:: 				i i		······			

Project Number and Name:

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

Library Used:

CampCarroll

ADR 8.2

Report Date: 9/6/2011 09:53 Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review Page 200 of 288

Client Sample ID : E11-145-S3

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889031

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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	Rep Limit	Moist Tot/Dis		Tune	ic	ICV	CV/ CCV
Analysis Method : 6010C					Dilutio	on: 1														
Arsenic	3.84		mg/kg		YES					l	ì	i	1						1	Ī
Barium	71.9		mg/kg		YES									 	1				1	
Cadmium	0.849		mg/kg		YES	U			U						1					Ī
Chromium	3.73		mg/kg		YES								1]			<u> </u>			1
Lead	11.6		mg/kg		YES							1	1]	1
Selenium	1.86		mg/kg	ช	YES							}	l				[]			
Silver	0.932		mg/kg	บ	YES							ì								
Analysis Method : 7471B					Dilutio	n: 1											*******			
Mercury	0.0200		mg/kg	U	YES	i						İ		Į					1	
Analysis Method : 8081					Dilutio	n: 1														
4,4'-DDD	4.56		ug/Kg	J	YES							ĺ	1				!			1
4,4'-DDD	4.56		ug/Kg	J	YES										1				l	
4,4'-DDE	3.85		по/Ко	J	YES	}									[J				1
4,4'-DDE	3.85		ид/Кд	J	YES										1				[
4,4'-DDT	31.0		ug/Kg		YES	L	Ī]		J				1		1			
4,4\DDT	31.0		ug/Kg	:	YES	J					J									1
Aldrin	10,2	;	ug/Kg	U	YES	1			· · · · · · · · · · · · · · · · · · ·											(
Aldrin	10.2	;	ug/Kg	U	YES		1	ļ	ļ	1					i i	1			1	1
alpha BHC	10.2		ug/Kg	U	YES			1		1	i						1			
alpha-BHC	10.2	:	ug/Kg	U }	YES		1	1	1							1	1			
alpha-Uniordane	10.2	;	ug/Kg	υ ;	YES ;	ì	1	1	I				į			1	ŀ			
aìpha-Chlordane	10.2		ug/Kg	U	YES		+	1	Ĭ	1		1				1				
beta-8H0	10.2	;	ugÆg	ŧ,t	YES	····	1			}						i				
beta-BHC	10.2	i	ug/Kg	U	YES		1													
Chlordane	34.0		ug/Kg	U	YES		I	1	1					ı			1			
Chlordane	34.0		ug/Kg	V	YES	ì		Ï	1	1		1				Ì				
delta-BHC	10.2		ug/Kg	U	YES :			1	1			1			Ī	1	1			1

Project Number and Name:

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Library Used: CampCarroll

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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 : E11-145-S3 Sample Date : 07/17/2011

Lab Report Batch: 31101889

Analysis Type: RES

Lab ID: SGSW

Sample Matrix: SO

Lab Sample ID: 31101889031

Analyte Name	Result	Uncertainty / Error	Result ปกits	Lab Qual	Rep Res	Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	ΙC	ICV	CV/ CCV
Analysis Method : 8081				4001	Diluti													**		
della-BHC	10.2		ug/Kg	ีย	YES	····						i	ī		1	l	1	i	1	
Dieldrin	10.2		ug/Kg	U	YES					<u>:</u>) 	. <u>.</u> 	1	 	1	: 	' 	 1	; 	:
Dieldrin	10,2		ug/Kg	U	YES) 	<u>.</u>	¦	i	: 			' 			:
Endosulfan I	10.2		ид/Кд	U	YES	}			 	: 			 	1			i 	: 	Ï	:
Endosulfan I	10.2		ug/Kg	น	YES				` 	 I	: 			 	ii		: 	` 	i	:
Endosulfan II	10.2		ug/Kg	U	YES									<u></u>	1		` 	: 	1	:
Endosulfan II	10.2		ug/Kg	U	YES		····							i					 	
Endosulfan sulfate	10.2		ug/Kg	U	YES]]	1		1				[
Endosulfan sulfate	10.2		ug/Kg	υ	YES						İ	1	1		1		[
Endrin	10.2		ug/Kg	บ	YES						 	1]					1	
Endrin	10.2		ug/Kg	U	YES	ı]							1					1	
Endrin aldehyde	10,2		ug/Kg	U	YES		I						1]					
Endrin aldehyde	10.2	;	ug/Kg	U	YES]	1	}	1	}	1 :				1	
Endrin ketone	10.2		ug/Kg	u	YES								1							
Endrin ketone	10.2		ug/Kg	U	YES	1	1						1							
gamma-BHC (Lindane)	10.2		ug/Kg	U	YES	;					1	1	1							
gamma-BHC (Lindane)	10.2		ug/Kg	υ	YES	1	1													
gamma-Chlordane	10.2		ug/Kg	U	YES										1	ļ				
gamma-Chlordane	10,2		ug/Kg	V	YES			1							1	1				
l ieptachlor	10.2		ug/Kg	υ	YES	1	1	1							i					
Heptachlor	10.2	:	ug/Kg	υ	YES	,	1	j	1								1			
Heptachlor epoxide	10,2		ug/Kg	ប	YES			1	J						1		1			
leplachter epoxide	10.2	:	ug/Kg	U	YEE		Ì	1							1	1	ĺ		1 1	
Methoxychlor	10.2	;	ug/Kg	U	YES		1	1					l i		i				1	
Methoxychlor	10.2		ug/Kg	υ	YES		1	1	1							J	· · · · · · · · · · · · · · · · · · ·			
Toxaphene	34.0	1	ug/Kg	U	YES	1	1	1				1	i	i	i	I	1			

Project Number and Name:

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Library Used:

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Sample Matrix: SO

Reviewed By / Date :								.ovec	, y,	Date :										
Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quaf	Rep Res	Overall Qual*	Temp	нт	MB	LCS	. MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV
Analysis Method : 8081					Dilut	ion: 1														
Toxaphene	34.0		ug/Kg	U	YES						}	1					1		1	Ī
Analysis Method : 8151					Dilut	ion: 1										-,				
2,4,5-T	0.0174		mg/kg	U	YES					1				1	1					1
2,4,5-T	0.0174		mg/kg	U	YES					1					i (
2,4,5-TP (Silvex)	0.0174	;	mg/kg	U	YES		1				1	1	1							1
2,4,5-TP (Silvex)	0.0174		mg/kg	Ų	YES						,	{	1						1	1
2,4'-D	0.0174		mg/kg	U	YES		1					1	1		1 1				1	I
2,4'-D	0.0174		mg/kg	υ	YES								l		1	,,,,,,			l	
2,4-DB	0.0174		mg/kg	U	YES					1	i		1						1	
2,4-D8	0.0174		mg/kg	U	YES]	1						i		1 (
Dicamba	0.0174		mg/kg	U	YES		1						1						1	1
Dicamba	0.0174		mg/kg	υ	YES	: 1									1				1	i I
Analysis Method : 8260B					Dilut	on: 1				`										
1,1,1,2-Tetrachloroethane	3.91		ug/Kg	U	YES	i i	Ī								F 1					Ī
1,1,1-Trichloroethane	3.91		ug/Kg	υ	YES	T	1													
1,1,2,2-Tetrachloroethane	3.91		ug/Kg	υ	YES	UJ			i		UJ						1		1	1
1,1,2-Trichloroelhane	3.91		ug/Kg	บ	YES										1		1			1
1,1-Dichloroethane	3.91		ug/Kg	U	YES	. I	· · · · · · · · · · · · · · · · · · ·						i i							1
1,1-Dichloroethene	3.91	:	ug/Kg	U	YES]			1											í
1,3-Dichloropropene	3.91		tig/Kg	IJ	YES				1								i		1	1
1,2,3-Trichloroberszene	3.91		uy/Ky	ប	YES	<u> </u>							i							
1,2,3-Trichloropropane	3.91		ug/Kg	Ų	YES	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			j							1		· · · · · i	
1,2,4-Trichlorobenzene	3 91		ug/Kg	U	YFS	i	i	·i	1						· · · · · · · · ·	ì				
1,2,4-Trimethylbenzene	3.91		ug/Kg	U	YES	1	· · · · · · · · · · · · · · · · · · ·						1	i	i	Ì			i	
1,2-Dibromo-3-chloropropane	23.4		ug/Kg	υ	YES				<u>'</u> I	 	i		1	i	- i	i	\ 	<i>i</i>	<u>:</u> 	
1,2-Dibromoethane	3.91		ug/Kg	U	YES	i	i	ì	<u>'</u>	 	i	i	í	i	······i		· · · · · · · · · · · · · · · · · · ·		· · · · · · · ·	
1,2-Dichlorobenzene	3.91		ug/Kg	U	YES	:				,;									·	

Project Number and Name:

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

Library Used:

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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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Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889031

		Uncertainty /	Result	Lab	Rep	Overali				•		Lab		Rep	Moist	Field			*************	CV/
Analyte Name	Result	Error	Units	Qual	Res	Qual*	Temp	ĦT	MB	LCS	MS	Dup	Surr		Tot/Dis	QC	Tune	IC	ICA	ccv
Analysis Method : 8260B					Dilutio	n: 1														
1,2-Dichloroethane	3.91		ug/Kg	U	YES	l			l	İ]	l	1			:	[1	
1,2-Dichloropropane	3.91		ug/Kg	U	YES						1	ĺ	1	j					1	
1,3,5-Trimethylbenzene	3.91		ug/Kg	U	YES						1	İ		Į					1	
1,3-Dichtorobenzene	3,91		ug/Kg	Ų	YES							1		}					l	1
1,3-Dichloropropane	3.91		ug/Kg	υ	YES								1							
1,4-Dichlorobenzene	3.91		ug/Kg	U	YES										[
2,2-Dichloropropane	3.91		ug/Kg	U	YES	1	1				1									[
2-Butanone	8.84		ug/Kg	J	YES	J					J						,í			
2-Chlorotoluene	3.91		ug/Kg	U	YES															1
2-Hexanone	9.76		ug/Kg	U	YES															l
4-Chlorotoluene	3.91		ug/Kg	u	YES															l
4-Isopropylloluene	3.91		ug/Kg	U	YES	1	1													
4-Methyl-2-pentanone	9.76	;	ug/Kg	υ	YES		I												1	ĺ
Acetone	28.8		ug/Kg	J	YES :	J					ال				1		1			
Benzene	3,91		ug/Kg	U	YES	1	1			,	ı									1
Bromobenzene	3.91		ug/Kg	υ	YES			1			1									
Bromochloromethane	3.91	:	ид/Кд	υ	YES		j		· · · · · · · · · · · · · · · · · · ·								· · · · · · · · · · · · · · · · · · ·		1	
Bromodichloromethane	3.91		ug/Kg	U	YES :														1	
Dromoform	3.91	1	ug/Kg	Ų	YEε	ยม	ĺ		i		ี เก	1	i		j		Į		1	
Bromomethane	3.91		ug/Kg	υ	YES			I		·····i				1	· · · · · · · · · · · · · · · · · · ·		7		l	
Carbon disulfide	3.91		ug/Kg	U	YES		1	1					i	1						
Carbon tetrachloride	3.91		ug/Kg	U	YES		1	١					1						1	
Chlorobenzene	3.91	:	ug/Kg	U	YES		[1	I	i	1	}			1				
Chloroethane	3.91		ug/Kg	υ	YES	υJ		Ì	ı		UJ	I	ì		1	, , .				
Chloroform	3.91	:	ug/Kg	U	YES		1	i i	······			i		i	· · · · · · · · · · · · · · · · · · ·				ii	
Chloromethane	3.91	· · · · · · · · · · · · · · · · · · ·	ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·	1			1	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 09:53 Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review Page 204 of 288

Client Sample ID: E11-145-S3

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889031

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overall Quai*		нт	мв	LCS	MS	Lab Dup	Surr	Rep	Moist Tot/Dis	Field QC	Tune	IC	icv	CC/
Analysis Method : 8260B					Diluti															
cis-1,2-Dichloroethene	3.91		ug/Kg	U	YES				l	1]	<u> </u>	i i	Ι.	1		I .		1	Ī
cis-1,3-Dichloropropene	3.91		ug/Kg	U	YES	:			1	l	 [1	
Dibromochloromethane	3.91		ug/Kg	Ų	YES					l									ĺ	1
Dibromomethane	3.91		ug/Kg	U	YES	,,,,,,,,,,,			1		 			 [[,	1	I
Dichlorodifluoromethane	3.91		ug/Kg	U	YES	.,,					1		1						l	1
Ethyl Benzene	3.91		ug/Kg	U	YES						1	[
Hexachlorobutadiene	3.91		ug/Kg	U	YES	IJ					UJ									
Isopropylbenzene (Cumene)	3.91		ug/Kg	U	YES															
m,p-Xylene	7.81		ug/Kg	U	YES														1	1
Methyl iodide	3.91		ug/Kg	U	YES		1							ļ					l	1
Melhylene chloride	2.12		ug/Kg	j	YES						!								l	l
Naphthalene	3.91		ug/Kg	υ	YES]	• • • • • • • • • • • • • • • • • • •					ĺ	*	1	ĺ
n-Bulyibenzene	3.91		ug/Kg	U	YES		1								1		ĺ	7	1	
n-Propylbenzene	3.91	i	ug/Kg	U	YES	Ì	1										1	1	1	ĺ
o-Xylene	3.91		ид/Кд	U	YES		1										1	1	1]
sec-Bulylbenzene	3.91	i	ug/Kg	υ	YES						-									[
Styrene	3.91		ug/Kg	U	YES								1				[1		1
lert-Butyl methyl ether (MTBE)	3.91		ug/Kg	U	YES]				j								,		1
lert-Butylbenzene	3.91		ug/Kg	Ų	YES	i					l		i		1			1	1	1
Tetrachloroethena	3,91		ug/Kg	U	YEε		1			i	1						i	1	i 1	1
Tofuene	3.91		ug/Kg	U	YES	1	1			j							[1	į ľ	1
rans-1,2-Dichloroethene	3.91		ид/Кд	U	YES	UJ				UJ		1	1				J	j		l
rans 1,3 Dichloropropene	3.91		ug/Kg	U	YES		İ			j					j			1		1
rans-1,4-Dichloro-2-bulene	19.5		ug/Kg	υ	YES)		1
Frichloroethene	3.91	ì	ug/Kg	υ	YES					1					į		1	1		l
Frichlorofluoromethane	3.91		ug/Kg	U	YES	i	1	1		i			1	1]	1	1	1	1

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

Library Used:

Report Date: 9/6/2011 09:53

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Client Sample ID : E11-145-S3

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date : 07/17/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889031

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quat	Rep		l Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	1CV	CCV
Analysis Method : 8260B			Oijita	Quut		tion: 1	Temp					Dab	- Outi		100010					
****	3.91	: :	ug/Kg	บ	YES		1 1	!	I		1	1					i í		t	E
Vinyl chloride Analysis Method: 8270D		i	. ogny		·	tion: 1	.!!		·	!	!		!		!!		1		J	!
1,2,4-Trichlorobenzene	; 348	; ;	ug/Kg	U	YES		<i>t</i> 1			ī	i				I I		l i		1	1
1,2-Dichlorobenzene	348	l	ug/Kg	<u>ٽ</u>	YES				' I	! I	! !		! !	! 	!! 1		I		! !	1
1,3-Dichlorobenzene	348	ļi	ug/Kg	<u>ٽ</u>	YES]			'		! !	! !	¹	! !	!!				! I	! !
1,4-Dichlorobenzene	348	ļi	ug/Kg	บ	YES	5			!		i	! !	! !	! !	!		1		! 	!
2,4,5-Trichlorophenol	348		ug/Kg	U	YES				! 		!	ł	!	1	1		1		<u> </u>	<u> </u>
,	348		ug/Kg	<u>.</u>	YES				! !			ļ	!		!				<u> </u>	<u> </u>
2.4,6-Trichlorophenol	348	ļ		U	YES	}	<u> </u>				! !			! !	i :				<u> </u>	ļ
2,4-Dichlorophenol	348		ug/Kg	U	YES							1	ļ.,,		!!		<u>.</u>		ļ	ļ
2,4-Dimethylphenol			ug/Kg		·	}					<u>.</u>	ļ	1		ļ				<u> </u>	ļ
2,4-Dinitrotoluene	348		ug/Kg	<u>u</u>	YES	'	[ļ	<u>.</u>		<u> </u>		!		ļ	ļ
2,6-Dinitrotoluene	348		ug/Kg	u	YES		<u> </u>						ļ		!!		ļ		ļ	ļ
2-Chloronaphthalene	348		ug/Kg	U	YES		ļ .					Į			ļ!				ļ	
2-Chlorophenol	348		ug/Kg	U	YES							ļ			l				ļ	ļ
2-Methylnaphthalene	348		ug/Kg	υ	YES		l					l	l		!		l		ļ	
2-Methylphenol	348		ug/Kg	U	YES		ll					l			ll		l		ļ	ļ
2-Nitroaniline	348		ug/Kg	U	YES		ll					<u> </u>	l				l		<u> </u>	<u> </u>
2-Nitrophenol	348		ug/Kg	U	YES		<u> </u>					<u> </u>			l!		li.		<u> </u>	l
3 and/or 4-Methylphenol	348		uy/Ky	υ	YES		<u> </u>					1					ļi		<u> </u>	l
3-Nitroaniline	340	ļ	սց/Աց	U	YEG		[]												<u> </u>	l
4-Bromophenyl phenyl ether	348	!	ug/Kg	U	YES	:	[]			J			ĺl		l		l		ļ	
4-Chloro-3-methylphenol	348		ug/Kg	U	YES	1											l		[
4-Chforoaniline	348	;	ug/Kg	U	YEC	1	1			1					l l					
4-Chlorophenyl phenyl ether	348	:	ug/Kg	Ų	YES	-	1			}									1	1
4-Nitroaniline	348		ug/Kg	U	YES	1	1]					i
4-Nitrophenol	348		ug/Kg	υ	YES	;										i	1			i
Acenaphlhene	348		ug/Kg	U	YES	į	i i	ĺ	i	i			i		1	·	1			1

Project Number and Name:

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Library Used: CampCarroll

Report Date: 9/6/2011 09:53

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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: E11-145-S3

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889031

Reviewed By / Date:

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overal! Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CC/
Analysis Method : 8270D					Dilutio	n: 1														
Acenaphthylene	348	1	ug/Kg	U	YES								<u> </u>		1 [1	1
Anthracene	348		ug/Kg	U	YES	-													1	1
Benzo(a)anihracene	348		ug/Kg	U	YES		ı					1	l	ĺ					l	
Benzo(a)pyrene	348		ug/Kg	U	YES						}	1			l					
Benzo(b)fluoranthene	348		ug/Kg	υ	YES									Ì						
Benzo(g,h,i)perylene	348		ug/Kg	U	YES								1							
Benzo(k)fluoranthene	348		ug/Kg	U	YES	1	1								1					
Bis(2-Chloroethoxy)methane	348		ug/Kg	U	YES)	1								1					
Bis(2-Chloroethyl)ether	348	;	ug/Kg	U	YES										1					
Bis(2-Chloroisopropyl)ether	348		ug/Kg	U	YES			1									Į			[
Bis(2-Ethylhexyl)phthalale	348		ug/Kg	U	YES	1		l]			[1						[
Butyl benzyl phihalate	348		ug/Kg	U	YES	1	Ī													1
Chrysene	348		ug/Kg	U	YES		1	1									1			1
Dibenz(a,h)anthracene	348		ug/Kg	U	YES	ļ		1									1			1
Dibenzofuran	348		ug/Kg	υ	YES	1	1		1	į										1
Diethyl phthalale	348		ug/Kg	Ų	YES	i	ı	-												
Dimethyl phthalate	348		ug/Kg	υ	YES		1	1	1						1 1					l '
Di-n-butyl phthalate	348		ug/Kg	U	YES		-	1		1]					1				i
Di-n-octyl phthalate	348		ug/Kg	U	YES	1	· · · · · i	I	1	1	i						1			
Fluoranthene	348		ug/Kg	U	YES		1	١	1							1	1			
Fluorene	348		ug/Kg	U	YES		1		1											
-lexachlorobenzene	348	į	ug/Kg	υ	YES		1	1	1											
Hexachlorobutadiene	348		ug/kg	U .	YES	Į	1	1	١	1	}	.				1				
Hexachlorocyclopentadiene	348		ug/Kg	U	YES	;		ı			-				}	1	1			
Hexachloroelhane	348	:	ug/Kg	U	YES	[1	Î		1	Ì		1			1	1		1	1
Indeno(1,2,3-cd)pyrene	348	Ť	ug/Kg	U	YES :	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	1	1		١	l l		1	l I	1	1	1	1	· · · · · ·

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

Library Used: CampCarroll

ADR 8.2

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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 : E11-145-S3

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date : 07/17/2011 Lab Sample ID: 31101889031 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date:

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	CCV
Analysis Method : 8270D				************	Diluti	on: 1														
Isophorone	348	;	ид/Кд	U	YES	:				†				i	1				1	1
Naphthalene	348		ug/Kg	U	YES				1								L		1	1
Nitrobenzene	348		ид/Кд	Ų	YES				1	1		1							1	F
n-Nitrosodi-n-propylamine	348	, ,	ug/Kg	Ų	YES]	1	1	1	l							1
Pentachlorophenol	348		ug/Kg	U	YES	UJ			1	เม	1									Ī
Phenanthrene	348		ug/Kg	U	YES					1							1		1	1
Phenol	348		ug/Kg	Ų	YES															1
Pyrene	348		ug/Kg	Ų	YES					1						**	1		Ī	I

Project Number and Name: 11-032E

ADR 8.2

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

Library Used: CampCarroll

Report Date: 9/6/2011 09:53

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Deverall 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 : E11-147-S1

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date: 07/16/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889038

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Tune	IC	ICV	CV/ CCV
Analysis Method : 6010C					Dilutie	on: 1								·///		 			
Arsenic	1.65	;	mg/kg		YES					1	Ĭ .	1	[ſ	I i			<u> </u>	<u> </u>
Barlum	116	}	mg/kg		YES					1	ł				<u> </u>	 []			l
Cadmium	0.850		mg/kg		YES	U			U	l	l				<u> </u>	 {			<u> </u>
Chromium	5.74		mg/kg		YES				ļ	1)		1		<u>[</u>	 [<u> </u>	1
Lead	9.55		mg/kg		YES						1	1	[<u> </u>	 		l	1
Selenium	2.17		mg/kg	Ü	YES							1	<u> </u>	<u> </u>	<u> </u>	 		l	1
Silver	1.08		mg/kg	U	YES				l		ļ	1	l	<u> </u>	<u> </u>			<u> </u>	<u> </u>
Analysis Method : 7471B					Dilutio	on: 1				.,,.,						 			
Mercury	0.0201		mg/kg	U	YES		<u> </u>		[1	l	}	l	<u> </u>	1			l	<u> </u>
Analysis Method : 8081					Dilutio	on: 1													
4,4'-DDD	10.5		ug/Kg	U	YES				l,				<u> </u>	<u>.</u>	1	 		I	1
4,4'-DDD	10.5		ug/Kg	U	YES					l	1		<u> </u>		1	 		ļ	1
4,4'-DDE	1.55		ug/Kg	J	YES		l			1		<u> </u>	ļ	<u> </u>		 		<u> </u>	<u> </u>
4,4'-DDE	1.55		ug/Kg	J	YES]			<u> </u>			<u>.</u>		<u> </u>	 		l	<u> </u>
4,4'-DDT	1.68		ug/Kg	J	YES	U			ប	<u> </u>			<u> </u>	1		 l		l	<u> </u>
4,4'-DDT	1.68		ug/Kg	J	YES	U	1		U	l		[l		<u> </u>	 		l	<u> </u>
Aldrin	10.5		ug/Kg	U	YES					l		1	<u> </u>		11	 l		l	1
Aldrin	10.5		ug/Kg	U	YES)							l	 		l	1
alpha-BHC	10,5		ug/Kg	U	YES								l	İ	li	 			<u> </u>
alpha-BHC	10,5		ug/Kg	Ų	YES								l		l!	 			<u> </u>
alpha-Chlordane	10.5		ug/Kg	U	YES		1												1
alpha-Chiordane	10.5		ug/Kg	U	YES		1							ļ]			
beta-BHC	10.5		uy/Kg	υ	YE3	i									l i	}			1
beta-BHC	10.5		ug/Kg	υ	YES		I						.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		l i				
Chlordane	35.1		ug/Kg	υ	YES							1							
Chlordane	35.1		ug/Kg	U	YES	1													
delta-BHC	10.5		ug/Kg	U	YES		i			ĺ									

Project Number and Name:

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

Library Used: Report Date: 9/6/2011 09:53

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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 : E11-147-S1

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date: 07/16/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889038

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*		HT	MB	LCS	MS	Lah Dup	Surr		Moist Tot/Dis		Tune	1C	ICV	CCV
Analysis Method : 8081					Dilutio	on: 1														
delta-BHC	10.5		ug/Kg	U	YES				1		i						l i			
Dieldrin	10.5		ид/Кд	U	YES]	1		l				i i		1	
Dieldrin	10.5		ug/Kg	บ	YES						}		1		1					
Endosulfan I	10.5	,	ug/Kg	U	YES				[1	1		1		l	1
Endosulfan I	10.5		ид/Кд	U	YES									}						
Endosulfan II	10.5		ug/Kg	U	YES									}					l	1
Endosulfan II	10.5		ид/Кд	υ	YES															
Endosulfan sulfate	10,5		ug/Kg	υ	YES								1							
Endosulfan sulfate	10.5		ug/Kg	U	YES														1	
Endrin	10,5		ug/Kg	U	YES	į									1					
Endrin	10.5		ug/Kg	Ų	YES															1
Endrin aldehyde	1.57		ug/Kg	J	YES			i											1	ĺ
Endrin aldehyde	1.57		ug/Kg	J	YES								,							1
Endrin ketone	10.5		ug/Kg	υ	YES]	1								i i					
Endrin kelone	10.5		ug/Kg	U	YES	1	1	I					ĺ]		1			l.
gamma-BHC (Lindane)	10.5		ug/Kg	U	YES	1	1	1									1			
gamma-BHC (Lindane)	10,5		ug/Kg	U	YES			1												
gamma-Chlordane	10.5		ug/Kg	U	YES	1					}				1	1				
gamma-Chlordane	10.5		ug/Kg	U	YES	i	1						1			1	1			
Heptachior	10.5		ug/Kg	υ	YES	}						ĺ	i				-			
Heplachlor	10.5		ug/Kg	U	YES	1	1	1									1	,		
Heptachlor epoxide	10.5		ug/Kg	U	YES			1	4			1				1	1			
Heptachlor epoxide	10.5		ug/Kg	U	YES			1	1	1		1	l i			1				
Methoxychlor	10.5	į	ug/Kg	U	YES	1			1	1)		1			1				
Methoxychlor	10.5	i	ид/Кд	υ	YES	1			1	i			į			1				
Toxaphene	35,1		ug/Kg	U :	YES :	i	1	1	1		I	1		····		١	1			 I

Project Number and Name:

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

Library Used: CampCarroll

Report Date: 9/6/2011 09:53

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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 :E11-147-S1

Lab Sample ID: 31101889038

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/16/2011

Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*	Temp	HŦ	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV
Analysis Method : 8081					Dilutio	on: 1														
Toxaphene	35.1		ug/Kg	U	YES				1		i	*					[]		<u> </u>	
Analysis Method : 8151					Dilutio	n:1														
2,4,5-T	0.0174		mg/kg	U	YES						<u> </u>	<u> </u>	1		l				1	
2,4,5-T	0.0174		mg/kg	U	YES				t	1	J		1		1		l		1	1
2.4.5-TP (Silvex)	0.0174		mg/kg	U	YES				1	1	į	1			1				<u> </u>	1
2,4,5-TP (Silvex)	0.0174		mg/kg	U	YES				1		!	1	[1	1
2,4'-D	0.0174		mg/kg	U	YES	I			1	l	į	1	[l	1
2,4'-D	0.0174		mg/kg	υ	YES				1		[1	1	1					<u> </u>
2,4-D8	0.0174		mg/kg	U	YES	l			1	1					1		l		1	1
2,4-DB	0.0174		mg/kg	U	YES								1		1				<u> </u>	
Dicamba	0.0174		mg/kg	U	YES		1		l .								[]		1	<u>[</u>
Dicamba	0.0174		mg/kg	υ	YES							1	1						}	1
Analysis Method : 8260B					Dilutio	n: 1														***************************************
1,1,1,2-Tetrachloroethane	4.32	<u> </u>	ug/Kg	U	YES	ŲJ	1		<u> </u>		ដរ	l			l	<i></i>			<u> </u>	<u> </u>
1,1,1-Trichloroethane	4.32		ug/Kg	U	YES	UJ	<u>l</u>				UJ	<u> </u>	[<u>.</u>		L			,	l	<u> </u>
1,1,2,2-Tetrachloroethane	4.32		ug/Kg	U	YES	IJ	!				UJ	<u> </u>			<u> </u>				I	1
1,1,2-Trichloroethane	4.32		ug/Kg	V ;	YES	UJ				l	UJ	1							<u> </u>	
1,1-Dichloroethane	4.32	į	ug/Kg	U	YES	UJ				[ŲJ	ļ			[]		ĺ		<u> </u>	<u> </u>
1,1-Dichtoroethene	4.32	į	ug/Kg	U	YES	ยม	-				UJ								<u> </u>	<u> </u>
1,1-Dichloropropene	4.32		ug/Kg	U	YES	IJ	1				ប្រ								[İ
1,2,3-Trichlorobenzene	4.32		ug/Kg	U	YES ?	UJ	1				UJ		 		l				<u> </u>	
1,2,3-Trichloropropane	4.32		ug/Kg	U	YES	UJ					ÜJ								1	1
1,2,4-Trichlorobenzene	4.02		ug/Kg	ប	YES :	บป	I		j		UJ	1							1	1
1,2,4-Trimelhylbenzene	4.32		ug/Kg	U	YES	กา					υJ	}	ļi						1	1
1,2-Dibromo-3-chloropropane	25.9	ĺ	ug/Kg	U	YES	ยา					UJ)		1	1
1,2-Dibromoelhane	4.32		ug/Kg	v	YES	UJ	I				ບນ						Ì		l	
1,2-Dichlorobenzene	4.32	j	ug/Kg	U	YES	UJ	1		1		เม						- 1			

Project Number and Name:

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Library Used: CampCarroll

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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 : E11-147-S1

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date: 07/16/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889038

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quat		Overall Qual*		НΥ	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	tC	ICV	CGV
Analysis Method : 8260B	(100011	21101			Dilutio		Temp													
1,2-Dichlorcethane	4.32		ug/Kg	υ	YES	UJ			ı	i	UJ	!	1		1		1 1		ı	1
1,2-Dichloropropane	4.32		ид/Кд	U	YES	UJ	: !		 	i	. UJ	! [! 		1				/ 	1
1,3,5-Trimethylbenzene	4.32		ug/Kg	U	YES	UJ	·		 	i 	UJ	 [ì 	: 	i				i	1
1,3-Dichlorobenzene	4.32		ug/Kg	U	YES	กา			ĺ	<u> </u>	UJ		1		1				[ĺ
1,3-Dichloropropane	4.32		ug/Kg	U	YES	UJ			` 	<u></u>	เป		 	 						
1,4-Dichlorobenzene	4.32		ug/Kg	บ	YES	UJ					UJ									
2,2-Dichloropropane	4.32		ug/Kg	U	YES	UJ			1		UJ			 	i					Ī
2-Butanone	27.0		ug/Kg		YES	J				1	J	{	J							
2-Chlorotoluene	4.32		ug/Kg	U	YES	ŧIJ					Ų]							
2-Hexanone	10.8		ug/Kg	U	YES	υJ				i	UJ									Ī
4-Chlorotoluene	4.32		ug/Kg	Ų	YES	IJ					UJ				1					ì
4-Isopropyttoluene	4.32		ug/Kg	U	YES	UJ					υJ									
4-Methyl-2-pentanone	10.8		ug/Kg	U	YES	ี่กา					UJ									1
Acetone	165		ug/Kg	;	YES	j				1	J		J		j l		1			1
Benzene	4.32		ug/Kg	U	YES	UJ					IJ									
Bromobenzene	4.32		ug/Kg	U	YES	UJ į					เม									İ
Bromochloromethane	4.32		ug/Kg	U	YES	UJ	1				เม						-	. ,		Į .
Bromodichloromethane	4.32	i	ug/Kg	U	YES	กา	· I			-	ŲJ									1
Bromoform	4.32		ug/Kg	U	YES	IJ	1	1	i		UJ									
Bromomethane	4.32	i	ug/Kg	U	YES	UJ		1			ΟJ						1			1
Carbon disulfide	4.32		ug/Kg	V	YES	UJ	1	I		UJ	UJ	l	,		1 1		į	1		
Carbon tetrachloride	4.32	ĺ	ug/Kg	V	YES	UJ	1				IJ		1				1			1
Chlorobenzene	4.32	Ĭ	ug/Kg	υ	YES	บา	Į.				υJ		j				1	J		1
Chloroelhane	4.32	;	ug/Kg	υ	YES	UJ	١				UJ		.							
Chloroform	4.32		ug/Kg	U	YES	UJ	1	1	1]	Ų	-				1	1			1
Chloromethane	4,32		ug/Kg	U	YES :	UJ	1	ı			UJ		1		ĺ	1				

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Library Used: CampCarroll

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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 : E11-147-S1

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date : 07/16/2011 Lab Sample ID: 31101889038 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date:

Analyte Name	Result	Uncertainty I Error	Result Units	Lab Quai	Rep Res	Overall Quai*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CCV
Analysis Method : 8260B					Dilutio	n: 1														
cis-1,2-Dichloroethene	4.32		ug/Kg	U	YES	បូរ			1		UJ	1		4						j
cis-1,3-Dichloropropene	4.32		ug/Kg	บ	YES	UJ			1		UJ		1	[1		1			
Dibromochloromethane	4.32	:	ug/Kg	U	YES	UJ	i 1				UJ	(1			
Olbromomethane	4.32		ug/Kg	U	YES	υJ					UJ				1					
Dichlorodifluoromethane	4.32		ug/Kg	U	YES	UJ	i I				ເນ				1					
Ethyl Benzene	4.32		ug/Kg	υ	YES	IJ					บป				1				l	
Hexachlorobutadiene	4.32		ug/Kg	υ	YES	UJ					นง] i					1
Isopropylbenzene (Cumene)	4.32		ug/Kg	U	YES	UJ					UJ	į		ł]					1
m,p-Xylene	8.64		ug/Kg	U	YES				· · · · · ·			}	1							1
Methyl iodide	3.00		ug/Kg	J	YES	J	i I		i i	j	J	{	J				4			1
Methylene chloride	17.3		ид/Кд	Ų	YES	UJ	i i				UJ]							
Naphihalene	4.32		ug/Kg	U	YES :	IJ					ียม		ĺ		1				1	1
n-Butylbenzene	4.32		ug/Kg	U	YES	Ų	i				UJ				[I			l
n-Propylbenzene	4.32	i	ug/Kg	U	YES	UJ	1				ŲJ						1			
o-Xylene	4.32		ug/Kg	υ	YES	UJ			1		IJ							-,		
sec-Bulylbenzene	4.32		ug/Kg	U	YES	UJ			1		UJ						1	*******		
Styrene	4.32		ug/Kg	U	YES	ŧIJ					IJ				i	· · · · · · · · · · · · · · · · · · ·	Î			
tert-Butyl methyl ether (MTBE)	4.32	i i	ug/Kg	U	YES	เกา	1		1	i	UJ					1	· · · · · · · · ·			1
tert-Butylbenzene	4.32		ug/Kg	U	YES	UJ	1				ΟJ		1			l	1			1
Tetrachloroethene	4.32		ug/Kg	υ	YES	UJ					UJ				l		1			1
Toluene	4.32		ug/Kg	U	YES	UJ	i		i	i	IJ	ĺ			İ	i	1			ĺ
Irans-1,2-Dichloroethene	4.32		ug/Kg	U	YES	IJ			1		IJ		[1	1			1
rans-1,3-Dichloropropene	4.32		ug/Kg	U	YES	ผม	1		· · · · · · · · · · · · · · · · · · ·	 ا	UJ					1				1
trans-1,4-Dichloro-2-butens	21.6		ug/Kg	υ	YES	 	······	 	! 	· · · · · · · · · · · · · · · · · · ·						\ I				1
Trichloroethene	4.32		ug/Kg	υ	YES	UJ	·······!		·······i	·······	UJ					······				1
Trichlorofluoromethane	4.32		ид/Ко	u	YES	UJ	·············	'ا ا	·········	 1	UJ		i / I				·····-			

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: E11-147-S1

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/16/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889038

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep (Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Maist Tot/Dis	Tune	ic	ICV	CCV
Analysis Method : 8260B					Dilution	ı: 1										 			
Vinyl chloride	4.32		ug/Kg	U	YES :	UJ	1		1	1	UJ	Į	1	[1	 		<u> </u>	l
Analysis Method : 8270D	***********	,			Dilution	: 1												w	
1,2,4-Trichlorobenzene	347	!	ug/Kg	U	YES	Ì				<u> </u>	<u> </u>	1	1		1	 <u> </u>		<u> </u>	[
1,2-Dichlorobenzene	347		ug/Kg	U	YES	}			l	<u> </u>	ļ	1	1			 		1	ļ
1,3-Dichlorobenzene	347		ug/Kg	U	YES					<u> </u>	4		1	1	1	 		<u> </u>	1
1,4-Dichlorobenzene	347		ug/Kg	υ	YES				[1	1		1	1		 		<u>J</u>	1
2,4,5-Trichlorophenol	347		ug/Kg	U	YES		ŀ		1	1	į		1	1	1	 		<u> </u>	
2,4,6-Trichtorophenol	347		ug/Kg	ប	YES					1	1	ļ	<u> </u>	1		 !		<u> </u>	1
2,4-Dichlorophenol	347		ug/Kg	U	YES	j	· · · · · · · · · · · · · · · · · · ·			1	1			1]	1
2,4-Dimethylphenol	347		ug/Kg	U	YES	1	1			1				ì		 		<u> </u>	
2,4-Dinitrotoluene	347	;	ug/Kg	Ų	YES	· · · · i	1					1		-		 		1	l
2,6-Dinitrotoluene	347		ug/Kg	U	YES	į	1		1						1	 		1	
2-Chloronaphthalene	347		ug/Kg	υ	YES	1	1		1			İ	1		1			1	
2-Chlorophenol	347		ug/Kg	ប	YES	1									l i	 		J	1
2-Methylnaphthalene	347		ug/Kg	U	YES											 1]	1
2-Methylphenol	347		ug/Kg	U	YES	1	1				İ				[]		<u> </u>	l
2-Nitroaniline	347		ug/Kg	U	YES		1	.,]	l
2-Nilrophenol	347		ug/Kg	U	YES	1	· · · · · · · · · · · · · · · · · · ·	,,				{				 Ì		[l
3 and/or 4-Methylphenol	347		ug/Kg	Ų	YES	1						ì				 j		1	<u> </u>
3-Nitroaniline	34/		ug/Kg	υ	YES	1	1					-			1			1	
4-Bromophenyl phenyl ether	347		ug/Kg	υ	YES	i												1	
4-Chloro-3-methylphenol	347		ug/Kg	U	YES										1				
4-Chloroaniline	347		ug/Kg	U	YES								l					1	
4-Chlorophenyl phenyl ether	347		ид/Кд	U	YES		-			1) i			1	1
4-Nitroaniline	347		ид/Кд	U	YES		<u>.</u>]	1
4-Nitrophenol	347		ug/Kg	U	YES	1	ĺ					1	l]	 			l
Acenaphthene	347	· · · · · · · · · · · · · · · · · · ·	ug/Kg	U	YES	1					 	1	1			 i			ĺ

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 : E11-147-S1

Lab Report Batch: 31101889

Sample Date: 07/16/2011 Lab Sample ID: 31101889038 Analysis Type: RES

Lab ID : SGSW

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overali Qual*		нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Tune	ίC	icv	CCV
Analysis Method : 8270D					Dilutio	on: 1								~					
Acenaphthylene	347	1	ug/Kg	U	YES			l	1	1	<u></u>	ļ]	 		1	<u> </u>
Anthracene	347		ug/Kg	Ü	YES				1		<u> </u>	<u>.</u>				 l		<u> </u>	<u> </u>
Benzo(a)anthracene	347	!	ug/Kg	υ	YES		!		<u> </u>		<u> </u>	<u> </u>		}	<u> </u>	 		<u> </u>	<u> </u>
Benzo(a)pyrene	347		ug/Kg	U	YES				<u> </u>	<u> </u>	<u> </u>	<u> </u>		Í	<u> </u>	 <u> </u>		<u> </u>	ļ
Benzo(b)fluoranthene	347		ug/Kg	U	YES					1	<u> </u>	<u> </u>	<u> </u>	l		 <u> </u>		<u></u>	<u>[</u>
Benzo(g,h,i)perylene	347		ug/Kg	U	YES				1	1	<u> </u>	<u> </u>	<u> </u>		<u> </u>	 		<u></u>	<u></u>
Benzo(k)fluoranthene	347		ug/Kg	U	YES				l		<u> </u>	ļ	<u> </u>	<u> </u>	<u> </u>	 l		<u> </u>	1
Bis(2-Chloroethoxy)methane	347		ug/Kg	U	YES					ĺ	ļ		<u> </u>	l		 l		<u> </u>	1,
Bis(2-Chloroethyl)ether	347	;	ug/Kg	U	YES					ĺ		<u> </u>		l	1	 l		<u> </u>	<u> </u>
Bis(2-Chloroisopropyl)ether	347	}	ug/Kg	U	YES					l	}	[<u> </u>	l	<u> </u>	 <u> </u>		<u> </u>	<u> </u>
Bis(2-Ethylhexyi)phlhalate	347		ug∕Kg	U	YES				1	<u> </u>	<u>.</u>			İ	<u> </u>	 <u> </u>		<u> </u>	<u> </u>
Butyl benzyl phihalate	347		ид/Кд	U	YES				l	<u> </u>					<u> </u>	 !		l	<u> </u>
Chrysene	347		ug/Kg	U	YES				<u> </u>	<u> </u>	<u> </u>				[]	 <u> </u>		!	l
Dibenz(a,h)anthracene	347		ug/Kg	U	YES				<u> </u>	l <u></u>	<u> </u>				<u> </u>	 <u> </u>		<u> </u>	<u> </u>
Dibenzofuran	347		ug/Kg	υ	YES				[]						1	 		<u> </u>	<u> </u>
Diethyl phthalate	347		ug/Kg	υ	YES				[<u></u>		1				<u> </u>	 l		l	İ
Dimethyl phthalate	347		ug/Kg	U	YES				l	l					<u> </u>	 l		l	ļ
Di-n-bulyi phthalate	347		ug/Kg	U	YES										l	 		l	<u> </u>
Di-n-octyl phthalate	347	1	ug/Kg	U	YES						l]	 l			<u> </u>
Fluoranthene	347		ug/Kg	U	YES								1		l i			l	١
Fluorene	347	;	ug/Kg	Ų	YES				l				!		l	 		l	ļ
Hexachlorobenzene	347	1	ug/Kg	U	YES						ļ				l	 		l	<u> </u>
Hexachtorobutadiene	347		ug/Kg !	υ	YES				<u> </u>						<u> </u>	 1		<u> </u>	1
Hexachlorocyclopentadiene	347	i i	ид/Кд	ប	YES					L			1			 		l	1
Hexachloroethane	347		ид/Кд	U	YES		1									 		l	1
indeno(1,2,3-cd)pyrene	347	1	ио/Ко	U	YES				,				- 1			}			l

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: E11-147-S1

Lab Report Batch: 31101889

Sample Date: 07/16/2011

Analysis Type: RES

Lab ID: SGSW

Sample Matrix: SO

Lab Sample ID: 31101889038

Reviewed By / Date:

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tat/Dis	Field QC	Tune	IC	ICV	CCV CCV
Analysis Method : 8270D					Diluti	on: 1														
Isophorone	347		ug/Kg	U	YES				1	<u> </u>	<u> </u>	İ	1		1	1	1]	1
Naphthalene	347		ug/Kg	U	YES					1	<u> </u>		1		1		1	<u> </u>	1	1
Nitrobenzene	347		ug/Kg	U	YES					1]		1		l		1	1	1	1
n-Nitrosodi-n-propylamine	347		ид/Кд	U	YES							1			1		1	1	1	
Pentachlorophenol	347		ид/Кд	U	YES	UJ				l m		1		Ì	1			1	1	1
Phenanthrene	347		и g/ Кg	U	YES				1	1	1	1		1	1			Į.		1
Phenol	347		ug/Kg	Ų	YES				1]	1		i	1		1	1		1
Pyrene	347		ug/Kg	U	YES				1	 	}	{			[-		

Project Number and Name:

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

Library Used:

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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 : E11-147-S2

Lab Report Batch: 31101889

Sample Date : 07/16/2011

Analysis Type: RES

Lab ID : SGSW

Sample Matrix: SO

Lab Sample ID: 31101889039

Reviewed By / Date:

Approved By / Date :

Result	Uncertainty / Error	Result Units	Lab Qual				нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit			Tune	IC	íCV	CCV
				Dilutio	on: 1														
1.22		mg/kg		YES							1			1		1 1		1	1
65.6		mg/kg		YES						1	!			1				1	<u> </u>
0.699		mg/kg		YÉS	U			Ų					1					1	1
3.86		mg/kg		YES						f	l	<u> </u>	į	1		<u> </u>		1	1
4.09		mg/kg		YES		[<u> </u>]				l	1
1.96		mg/kg	υ	YES							l	l	ĺ	1				l	1
0.981		mg/kg	U	YES							l	1		1		[]		<u> </u>	1
				Dilutio	on: 1														
0.0186	;	mg/kg	U	YES		l		l		<u>.</u>	Į <u>.</u>	l							1
				Ditutio	n:1											***********	,,,,,,,		
10.0	į	ug/Kg	U	YES				l	ļ		!		i	<u> </u>		.		l	<u> </u>
10.0		ug/Kg	U	YES		İ]		l	ļ
10.0		ug/Kg	U	YES		1					ļ	l				ĺ			l
10.0		ид/Кд	U	YES					J		1			1					<u> </u>
10,0	į	ug/Kg	υ	YES					1					1 i		<u> </u>		l	1
10,0		ug/Kg	υ	YES		1								l1				l	<u> </u>
10.0		ug/Kg	U	YES		1					(l]
33.3		ug/Kg	U	YES		1						[1					ļ
10.0	;	ug/Kg	u	YES		1								[1			
10.0	į	ug/Kg	U	YES		1								i i		[1
10.0	ì	ug/Kg	υ	YES															1
10.0	;	ug/Kg	υ	YES			1									i			
10.0		ug/Kg	υ	YES :		1	1		ļ							i			1
10.0	-	ug/Kg	U	YES]		1		1										1
10.0	ì	ug/Kg	U	YES		1			1										1
10.0		ид/Кд	U	YES											اا				1
10.0		ug/Kg	U	YES	1	1						3		1		1			l
	1.22 65.6 0.699 3.86 4.09 1.96 0.981 0.0186 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	1,22 65.6 0.699 3.86 4.09 1.96 0.981 0.0186 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	Result Error Units 1.22 mg/kg 65.6 mg/kg 0.099 mg/kg 3.86 mg/kg 4.09 mg/kg 1.96 mg/kg 0.981 mg/kg 10.0 ug/kg	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit Tot/Dis QC	Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit TotDis QC Tune	Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit TotDis QC Tune IC	Result

Project Number and Name:

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

Library Used:

Report Date: 9/6/2011 09:53

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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 : E11-147-S2

Lab Report Batch: 31101889

Sample Date: 07/16/2011

Analysis Type: RES

Lab ID : SGSW

Sample Matrix: SO

Lab Sample ID: 31101889039

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	1C	icv	CCV
Analysis Method : 8081					Dilutio	on: 1														
gamma-Chlordane	10.0	;	ug/Kg	U	YES		1						l	}	1					<u>L</u>
Heptachlor	10.0		ug/Kg	U	YES								l		<u> </u>					<u> </u>
Heptachlor epoxide	10.0		ug/Kg	U	YES					l			l	l	1					1
Methoxychlor	10.0		ug/Kg	U	YES				1				<u> </u>	l	<u> </u>				l	<u> </u>
Toxaphene	33.3		ug/Kg	U	YES				l				l		<u> </u>		1		<u> </u>	<u> </u>
Analysis Method : 8151					Dilutio	on: 1														
2,4,5-T	0.0162	į	mg/kg	U	YES		<u>i</u>		l				1		[]	,,,,,,,,	[]			1
2,4,5-T	0.0162		mg/kg	U	YES								l							1
2,4,5-TP (Silvex)	0.0162		mg/kg	U	YES				l						l!					l
2,4,5-TP (Silvex)	0.0162		mg/kg	υ	YES					l					li					ļ
2,4'-D	0.0162		mg/kg	U	YES										1 1					ļ
2,4'-D	0.0162		mg/kg	U	YES										1				ĺ	ļ
2,4-DB	0.0162	;	mg/kg	U	YES															1
2,4-DB	0.0162		mg/kg	υ	YES										l		l			1
Dicamba	0.0162		mg/kg	U	YES		J								1		li			ļ
Dicamba	0.0162		mg/kg	U	YES								İ		L		li			l
Analysis Method : 8260B					Dilutio	n: 1														
1,1,1,2-Tetrachloroelhane	4.50		ug/Kg	U	YES	ប្រ				İ	UJ									<u> </u>
1,1,1-Trichloroethane	4.50		ug/Kg	Ų	YES	UJ					UJ		l		1 1					
1,1,2,2-Telrachloroethane	4.50		ug/Kg	υ	YES	IJ					ΟJ				1		1]		<u> </u>
1,1,2-Trichloroethane	4.50	:	ug/Kg	υ	YES	UJ				j	υJ		,		i i				,,,,,,,,	ļ
1,1-Dichloroethane	4.50		ug/Kg	U	YES	υJ				j	ŲĴ				ĺ		1			1
1,1-Lichtoroethene	4.50		идукд	U	YES :	IJ	1				บม				l		}			
1,1-Dichtoropropene	4.50		ug/Kg	U	YES :	UJ		1			UJ									1
1,2,3-Trichlorobenzene	4.50		ug/Kg	U	YES :	เก	1	1			UJ									
1,2,3-Trichioropropane	4.50	-	ug/Kg	U	YES	กา		<u> </u>		I	UJ									İ
1,2,4-Trichlorobenzene	4.50		ug/Kg	U :	YES	UJ	1				UJ		1		1					i

Project Number and Name:

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

Library Used:

Report Date: 9/6/2011 09:53

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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: E11-147-S2

Reviewed By / Date :

Lab Report Batch: 31101889

Analysis Type: RES

Lab ID: SGSW

Sample Matrix: SO

Sample Date: 07/16/2011 Lab Sample ID: 31101889039

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*		нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Tune	IC	ICV	CCV
Analysis Method : 8260B					Ditutio	n: 1										 			~~~~~
1,2,4-Trimethylbenzene	4,50		ug/Kg	U	YES	UJ			1	l .	UJ	1	1	<u> </u>	1	 <u>[</u>		1	<u> </u>
1,2-Dibromo-3-chloropropane	27.0		ug/Kg	U	YES	UJ			l	1	UJ	1	1	<u> </u>	<u> </u>	 <u> </u>		<u> </u>	<u> </u>
1,2-Dibromoelhane	4.50		ид/Кд	U	YES	UJ			<u> </u>	1	ŲJ		1,	<u> </u>	1	 		<u> </u>	<u> </u>
1,2-Dichlorobenzene	4.50		ug/Kg	U	YES	IJ			<u> </u>	1	UJ	<u> </u>	1	<u> </u>		 		<u> </u>	<u> </u>
1,2-Dichloroethane	4.50		ug/Kg	U	YES	υJ				Ï	UJ	<u>.</u>	[1	<u> </u>	 		<u> </u>	1
1,2-Dichloropropane	4.50		ug/Kg	U	YES	IJ			l]	UJ	<u> </u>		1	<u> </u>	 l i		<u> </u>	l
1,3,5-Trimelhylbenzene	4.50		ug/Kg	ีย	YES	IJ					IJ	<u> </u>	}	i	1	 		<u> </u>	<u> </u>
1,3-Dichlorobenzene	4.50		ug/Kg	U	YES	UJ					IJ			1	1	 [[<u> </u>	1
1,3-Dichloropropane	4.50		ug/Kg	U	YES	IJ]	เม		ĺ	ì	1	 []		<u> </u>	<u> </u>
1,4-Dichlorobenzene	4.50		ug/Kg	U	YES	ŲJ					UJ		1	1	1	 		<u> </u>	<u> </u>
2,2-Dichloropropane	4.50		ug/Kg	V	YES	IJ			1	1	UJ		ĺ	<u> </u>	1	 		1	ļ
2-Butanone	22.5		ug/Kg	U	YES	ขา			1	1	UJ	1	l]			<u>.</u>	<u> </u>
2-Chlorotoluene	4.50		ug/Kg	U	YES	θJ					UJ	<u> </u>	<u> </u>	<u> </u>]	 		1	l
2-Hexanone	11.2		ug/Kg	U	YES	UJ					IJ		<u> </u>	<u> </u>	<u> </u>	 <u> </u>		1	1
4-Chlorotoluene	4.50		ug/Kg	U	YES	UJ					UJ	!	<u> </u>	ļ	1	 1			<u> </u>
4-Isopropyltoluene	4.50	;	ug/Kg	υ	YES	UJ	}				UJ		ļ		1	 1		ļ	1
4-Methyl-2-pentanone	11.2	,	ug/Kg	U	YES	UJ				1	UJ	İ	<u>[</u>			 		<u> </u>	1
Acetone	12.8		ug/Kg	J	YES	J	1		1		J	l	1		1	 		<u> </u>	1
Benzene	4.50	1	ug/Kg	U	YES	ยม	1		1		UJ	i	1		1	 li		<u> </u>	ĺ
Bromobenzene	4.50	i	ug/Kg	U	YES	UJ	1				UJ	1	1	l	1	 į		<u> </u>	[
Bromochloromethane	4.50		ug/Kg	U	YES	UJ	1		1	1	UJ	}	1		1			1	l
Bromodichloromethane	4.50	į	ug/Kg	u ;	YES	UJ					UJ	1	1		I	 		1	1
Bromoform	4.50	1	ug/Kg	U	YES	Π٦			l	l	ŊĴ	<u>L</u>	l	<u> </u>	<u> </u>	 		1	<u> </u>
Bromomethane	4.50		ug/Kg	υ	YES :	ΠΊ	1		l		UJ		l		1	 l		1	1
Carbon disulfide	4.50		ug/Kg	υ	YES	UJ	1			UJ	IJ			l		 		1	1
Carbon letrachloride	4,50	ï	uo/Ko	U	YES	ยม					UJ							1	

Project Number and Name:

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Library Used: CampCarroll

Report Date: 9/6/2011 09:53

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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: E11-147-S2

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date: 07/16/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889039

Reviewed By / Date:

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	ıc	ICV	CCV
Analysis Method : 8260B					Dilutio	n: 1														-01-10-01-10-0
Chlorobenzene	4.50		ug/Kg	U	YES	IJĴ	1				UJ		Ī		<u> </u>				1	
Chloroethane	4.50		ug/Kg	U	YES	ΠJ					IJ		1	ļ			Ì		<u> </u>	
Chloroform	4.50		ug/Kg	υ	YES	UJ				Ì	ียม		ĺ		1 1]	<u> </u>
Chloromethane	4.50		ug/Kg	U	YES:	UJ					UJ	į	1		1				1	
cls-1,2-Dichloroethene	4.50		ug/Kg	U	YES	IJ	i l				UJ	1	l		[1	1
cis-1,3-Dichloropropene	4,50		ug/Kg	U	YES	IJ	I I				UJ	1	1						1	1
Dibromochloromelhane	4.50		ug/Kg	U	YES	UJ					UJ	}			1 1					1
Dibromomethane	4.50		ug/Kg	U	YES	ŲJ					UJ								1	
Dichlorodifluoromelhane	4.50		ug/Kg	υ	YES	UJ	· ·				UJ						ļ		1	
Ethyl Benzene	4.50		ug/Kg	U	YES	IJ					UJ						,			
Hexachlorobutadiene	4.50		ug/Kg	U	YES	ยม	i I				មរ						İ		J	
Isopropyibenzene (Cumene)	4.50		ug/Kg	U	YES	UJ					UJ	1			;				Ī]
m,p-Xylene	8.99		ug/Kg	U	YES	j	i					1							1	
Methyl lodide	4.50		ug/Kg	u j	YES	IJ	i i			ເນ	UJ						1			
Methylene chloride	1.72		ug/Kg	J	YES	J					j						ı		l	1
Naphthalene	4.50		ug/Kg	U	YES	UJ	1				IJ						j			
n-Butylbenzene	4.50		ug/Kg	U	YES	IJ					เม				1		Ī			1
n-Propyibenzene	4.50		ug/Kg	υ	YES	ŲJ	j				UJ	1]	
o-Xylene	4.50	;	ug/Kg	U	YES	UJ				1	UJ	1						,,	1	
sec-Butylbenzene	4.50		ug/Kg	U	YES	UJ					UJ		l i						1	1
Slyrene	4.50		ug/Kg	U	YES	UJ				1	UJ				l i				1	1
ert-Butyl methyl ether (MTSE)	4.50		ug/Kg	U	YES	IJ					ŲĴ									1
ert-Butyfbenzene	4.50		ug/Kg	υ	YES	IJ			1		UJ		1			-	1		l	<u> </u>
Tetrachloroethene	4.50		ug/Kg	υ	YES	IJ				Ī	IJ						1		1	
Toluene	0.890		ug/Kg	3	YES :	J				 	J	1 1				1	1			
trans-1,2-Dichloroethene	4,50		ug/Kg	U	YES	UJ				1	ŲJ	1							1	l

Project Number and Name:

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

Library Used: CampCar

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Report Date: 9/6/2011 09:53

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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 : E11-147-S2

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date: 07/16/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889039

Reviewed By / Date :

Approved By / Date:

Analysis Method : 8260B trans-1,3-Dichloropropene trans-1,4-Dichloro-2-butene Trichloroethene	4.50 22.5 4.50		ug/Kg	U	Dilutio							Dup	Surr		Tot/Dis		Tune	IC	ICA	CCA
trans-1,4-Dichloro-2-butene	22.5 4.50		ug/Kg	- 11		on: 1														
	4.50			Ü	YES	LU			1	1	เกา									
			ug/Kg	U	YES															
i richioroemene			ug/Kg	υ	YES	UJ			1	l	UJ		1						1	
Trichlorofluoromethane	4.50		ug/Kg	υ	YES	UJ			1		ŲJ	<u> </u>	1						1	[
Vinyl chloride	4.50		ug/Kg	U	YES	UJ	1		l		IJ] [1
Analysis Method : 8270D	• • • • • • • • • • • • • • • • • • • •				Dilutio	n: 1														
1,2,4-Trichlorobenzene	328		ug/Kg	Ų	YES							[l	l	11				1	1
1,2-Dichlorobenzene	328		ug/Kg	U	YES				l						l		İ		1	l
1,3-Dichlorobenzene	328		ug/Kg	U	YES		}			l		ļ		ļ	1				1	1
1,4-Dichlorobenzene	328		ug/Kg	U	YES	l	I								l		1		1	1
2,4,5-Trichlorophenol	328		ug/Kg	U	YES				1			1			1		[]		<u> </u>	1
2,4,6-Trichlorophenol	328		ug/Kg	U	YES	1	1					1								[
2,4-Dichlorophenol	328		ug/Kg	υ	YES		1					ĺ							1	1
2,4-Dimethylphenol	328		ug/Kg	υ	YES	1													l	1
2,4-Dinitrolaluene	328	;	ug/Kg	U	YES								}							1
2,6-Dinitrolatuene	328	,	ид/Кд	U	YES	1						1					,		ŀ	
2-Chloronaphthalene	328		ug/Kg	U	YES	-	1										i			l
2-Chlorophenol	328		ug/Kg	U	YES		1						j]]					1
2-Methylnaphthalene	328		ug/Kg	U	YES					i i									1	1
2-Melhylphenol	328		ug/Kg	U	YES		-												l	
2-Nitroanitine	328		ug/Kg	u	YES	1									l		1		l	1
2-Nitrophenol	328		ug/Kg	U	YES	1							1				į			
3 and/or 4-Methylphenol	328	i	ug/Kġ	υ	YES	1				ĺ							j			1
3-Nitroaniline	328	İ	ug/Kg	υ	YES												1			
4-Bromophenyl phenyl ether	328	Ì	ug/Kg	U	YES :			١												
4-Chioro-3-methylphenol	328		ug/Kg	u j	YES		1	1	- 1	1			1						1	
4-Chloroaniline	328		ug/Kg	U	YES	1	}		1	1			1							

Project Number and Name:

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

Library Used:

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Report Date: 9/6/2011 09:53

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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 : E11-147-S2

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/16/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889039

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*		нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CCV
Analysis Method : 8270D					Dilutio	on: 1								••••••	• • • • • • • • • • • • • • • • • • • •					
4-Chlorophenyl phenyl ether	328		ид/Кд	U	YES	:								}			1			
4-Nitroaniline	328		ug/Kg	U	YES								1				(
4-Nitrophenol	328		ug/Kg	U	YES		 						[1
Acenaphthene	328		ug/Kg	U	YES						į									1
Acenaphlhylene	328		ug/Kg	บ	YES						ļ									l
Anthracene	328		ug/Kg	U	YES		! 1						1							1
Benzo(a)anthracene	328		ug/Kg	U	YES		1						1				1			1
Benzo(a)pyrene	328		ug/Kg	U	YES		1													
Benzo(b)fluoranthene	328		ug/Kg	U	YES		1										ì			
Benzo(g,h,i)perylene	328	;	ug/Kg	U	YES						1						[
Benzo(k)fluoranthene	328		ug/Kg	υ	YES		1													
Bis(2-Chloroethoxy)methane	328		ug/Kg	U	YES										İ					
Bis(2-Chloroelhyi)elher	328		ug/Kg	U	YES															Í
Bis(2-Chloroisopropyl)ether	328		ug/Kg	υ	YES]	,										
Bis(2-Ethylhexyl)phthalale	91.7		ug/Kg	J	YES					i										
Butyl benzyl phthalate	328		ug/Kg	U	YES		1]
Chrysene	328		ug/Kg	U	YES]
Dibenz(a,h)anthracene	328		ug/Kg	U	YES	1		1		i]	}		Į			1
Dibenzofuran	328		ug/Kg	U	YES :)						ı	ĺ		ļ			
Diethyl phthalale	328		ug/Kg	υ ;	YES									1			ı			
Dimethyl phthalate	328		ug/Kg	U	YES		1	1	1	(1	ı				- 1	-		1	
Di-n-butyl phthalate	328	i	ug/Kg	U	YES	1		1	1							1			1	
Di-n-octyl phthalate	328	•	ug/Kg	U	YES	1	1	1	1		1				1	1	1		1	
Fluoranthene	328	į	ug/Kg	υ	YES			1			1			1						
Fluorene	328		ug/Kg	υ	YES	····		1		į	1	1	}	1	1	١	,			
Hexachlorobenzene	328	ì	ug/Kg	U	YES:	I	1	1	1	3		1				1			<u>.</u>	

Project Number and Name:

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

Library Used: Ca

ADR 8.2

Report Date: 9/6/2011 09:53

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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 : E11-147-S2

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date : 07/16/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889039

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	ıc	icv	CCV
Analysis Method : 8270D					Diluti	on: 1									~~~~~~					
Hexachlorobutadiene	328	:	ug/Kg	U	YES	į		1			1	1		İ	F .		1	1]	
Hexachlorocyclopentadiene	328		ug/Kg	Ų	YES		1		l		}			ĺ				1		
Hexachloroethane	328		ug/Kg	υ	YES						İ		1					[
Indeno(1,2,3-cd)pyrene	328		ug/Kg	U	YES					1				ĺ						
Isophorone	328		ug/Kg	U	YES							İ		ļ						
Naphthalene	328		ug/Kg	U	YES							1	1	}				l	1	
Nitrobenzene	328		ug/Kg	U	YES	:]	1						İ		
n-Nitrosodi-n-propylamine	328		ug/Kg	Ų	YES						, ,	[1				1		1
Pentachtorophenol	328		ug/Kg	U	YES	UJ				UJ	 [[}		1
Phenanthrene	328		ug/Kg	Ų	YES						1		}							
Phenol	328		ug/Kg	U	YES					1	i									
Pyrene	328		ug/Kg	U	YES						·······	1								

Project Number and Name:

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

Library Used:

Report Date: 9/6/2011 09:53

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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 : E11-148-S1

Lab Report Batch: 31101889

Analysis Type: RES

Lab ID: SGSW

Sample Matrix : SO

Sample Date: 07/17/2011 Lab Sample ID: 31101889020

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overail Qual*	Temp	нт	мв	LCS	MS	Lat Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV CCV
Analysis Method : 6010C					Dilutio	on: 1														
Arsenic	4,36	;	mg/kg		YES	J]	J	J			1		<u> </u>		1	1
Barium	78.7		mg/kg		YES				l]		<u>{</u>			<u> </u>		<u> </u>		<u> </u>	<u> </u>
Cadmium	1.09		nig/kg		YES	U			U	1			ļ	[<u> </u>		1		<u> </u>	<u> </u>
Chromium	5.31		mg/kg		YES	J					<u> </u>	J	<u> </u>	ļ	<u> </u>]		<u> </u>	<u>!</u>
Lead	15.1		mg/kg		YES	J					J	<u> </u>	1		1 1		!		<u> </u>	<u> </u>
Selenium	2.21		mg/kg	U	YES				i	l		<u> </u>	1		<u> </u>]		<u> </u>	İ
Silver	1.10		mg/kg	U	YES		1					<u> </u>	<u> </u>	<u> </u>	<u>[</u>				<u> </u>	<u> </u>
Analysis Method : 7471B					Dilutio	n: 1														
Mercury	0.00278		mg/kg	J	YES							İ	1						<u> </u>	İ
Analysis Method : 8081					Dilutio	n: 1														
4,4'-DDD	3.27		ug/Kg	J	YES				,	<u> </u>		<u> </u>	ļ		<u> </u>		l		<u> </u>	!
4,4'-DDD	3.27		ug/Kg	J	YES							i	<u> </u>		<u> </u>		<u> </u>		<u> </u>	ļ
4,4'-DDE	10.4		ug/Kg	U	YES]			l		<u> </u>	<u> </u>		ll				<u> </u>	Í
4,4'-DDE	10.4	į	ug/Kg	υ	YES					lj		l.,	1		<u> </u>				<u>L</u>	
4,4'-DDT	4.92		ug/Kg	J	YES	ហរ	1		Ü	[<u>]</u>	J	İ	l		<u> </u> 1				<u> </u>	l
4,4'-DDT	4.92		ug/Kg	J	YES	UJ			U	<u> </u>	J	<u> </u>			<u> </u>		<u>.</u>		<u> </u>	!
Aldrin	10.4		ug/Kg	υ	YES	<u>.</u>				[<u> </u>		<u> </u>	l		<u> </u>		1		<u> </u>	l
Aldrin	10.4		ug/Kg	U	YES				<i>.</i> ,	<u>[</u>		L	l]1		ĺ		<u>[</u>	l
alpha-BHC	10.4	j	ug/Kg	U	YES					<u> </u>		<u> </u>	[<u>]</u>		J	. ,	ĺ			l
alpha-BHC	10.4	;	ug/Kg	υ	YES					<u> </u>		Ì	l						1	l
alpha-Chlordane	10.4		ug/Kg	υ	YES					l		Ł	l		<u> </u>		ll			<u> </u>
alpha-Chlordane	10.4		ug/Kg	υ	YES					<u> </u>		ļ			ll					<u> </u>
beta-BHC	10.4		ug/Kg	ម	YES	1				l		<u> </u>			<u> </u>		<u> </u>		1	<u> </u>
beta-BHC	10.4		ug/Kg	U	YES					<u> </u>		<u> </u>	<u> </u>		l				1	
Chlordane	34.7		ug/Kg	U	YES							<u> </u>	<u> </u>	,					1	<u> </u>
Chlordane	34.7		ид/Кд	U	YES								<u> </u>				1		<u> </u>	<u></u>
delta-BHC	10.4		ug/Kg	U	YES		1			1		1	1 1				i		i I	, !

Project Number and Name:

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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

Client Sample ID: E11-148-S1

Lab Report Batch: 31101889 Analysis Type: RES

Sample Date: 07/17/2011

Lab ID: SGSW Sample Matrix : SO

Lab Sample ID: 31101889020

Reviewed By / Date:

Approved By / Date:

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	CCV
Analysis Method : 8081				.,	Dilutio	on: 1													
delta-BHC	10.4		ug/Kg	U	YES							ĺ	t	1		 		1	<u> </u>
Dieldrin	10.4		ug/Kg	U	YES				1		1	<u> </u>	ļ	1		 1		<u> </u>	<u> </u>
Djeldrin	10.4		ug/Kg	U	YES		1		ĺ]	1	[l	1		 li		<u> </u>	<u> </u>
Endosulfan I	10.4		ug/Kg	U	YES		-				1	<u> </u>	l	<u> </u>		 		<u> </u>	<u> </u>
Endosulfan I	10.4		ug/Kg	U	YES		1			1	1	Ĺ	<u> </u>		<u> </u>	 1		<u> </u>	<u> </u>
Endosulfan II	10.4		ug/Kg	U	YES					1	1	Ĺ	l		[<u>!</u>	 		<u> </u>	1
Endosulfan II	10.4		ug/Kg	U	YES		1				į	i	l		<u> </u>	 l		<u> </u>	<u> </u>
Endosulfan sulfate	10.4		ug/Kg	U	YES)	1				Š	1	l		<u> </u>	 l		<u> </u>	<u> </u>
Endosulfan sulfate	10.4		ug/Kg	ย	YES	}]				1	1	l			 l		<u> </u>	1
Endrin	10.4		ug/Kg	υ	YES	į										 ll		<u> </u>	l
Endrin	10.4		ug/Kg	U	YES						ļ		l	l	<u> </u>	 		<u>.</u>	l
Endrin aldehyde	10.4		ug/Kg	υ	YES										l	 		1	<u> </u>
Endrin aldehyde	10.4		ug/Kg	U	YES										J	 İ.,,i		<u> </u>	<u> </u>
Endrin ketone	10.4		ug/Kg	U	YES							ļ			<u> </u>	 		<u> </u>	<u> </u>
Endrin ketone	10.4		ug/Kg	U	YES		J					1			1	 		<u> </u>	<u> </u>
gamma-BHC (Lindane)	10.4		ug/Kg	u	YES	ļ								l		 į		<u> </u>	<u> </u>
gamma-BHC (Lindane)	10.4		ug/Kg	U	YES	1	1					1			1	 }		J	J
gamma-Chlordane	10.4		ug/Kg	U	YES		1]			J	<u> </u>
gamma-Chlordane	10.4		ug/Kg	υ	YES									ĺ]	 <u>J</u>		<u> </u>	1
Heplachlor	10.4	;	ug/Kg :	U	YES							}						l	1
Heptachlor	10.4		ug/Kg	υ	YES									l	1 !	 		<u> </u>	1
Heptachlor epoxide	10.4		ид/Кд	U	YES					l						 		<u> </u>	l
Heptachlor epoxide	10.4		ug/Kg	u	YES]		,				<u> </u>		l	1!	 		<u> </u>	<u> </u>
Melhoxychlor	10.4		ug/Kg	U	YES		Ì					l			1 1	 			1
Methoxychlor	10.4		ug/Kg	V	YES	ţ	1									 		<u> </u>	1
Тохарнепе	34.7	1	rig/Kg	U	YFS	1	i									1			1

Project Number and Name:

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

Library Used:

Report Date: 9/6/2011 09:53

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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Client Sample ID: E11-148-S1

Lab Report Batch: 31101889

Analysis Type: RES

Lab ID : SGSW

Sample Matrix : SO

Sample Date: 07/17/2011 Lab Sample ID: 31101889020

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overal Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr		Moist Tot/Dis		Tune	ıc	ICV	CCV
Analysis Method : 8081					Dilutio	n: 1														
Toxaphene	34.7	;	ug/Kg	Ų	YES		11	,	1	<u> </u>	<u> </u>		1	<u> </u>	<u> </u>				<u> </u>	<u> </u>
Analysis Method : 8151		*-,			Dilutio	n: 1								····						
2,4,5·T	0.0173		mg/kg	U	YES		<u> </u>		<u> </u>	l	!	<u> </u>	1	<u> </u>	<u> </u> i		l		1	1
2,4,5-TP (Silvex)	0.0173		mg/kg	U	YES		اا		l	ļ	<u>.</u>	[!		l		li		J	l
2,4'-D	0.0173		mg/kg	U	YES		ļ <u>I</u>		ļ	<u> </u>	<u>.</u>			}	Jl		l		J	.1
2,4-DB	0.0173		mg/kg	U	YES		ļ		<u> </u>		1	<u>.</u>	l	i	1,		l!		<u> </u>	
Dicamba	0.0173		mg/kg	U	YES		1		ļ.,,,,,				l	l	<u> </u> [l		<u> </u>	<u> </u>
Analysis Method : 8260B					Dilutio	n: 1		,												
1,1,1,2-Tetrachloroethane	4.66		ug/Kg	U	YES	ŲJ	1			<u> </u>	UJ	l	1	l	Jl				<u> </u>	1
1,1,1-Trichloroethane	4,66		ug/Kg	U	YES	UJ	1		<u> </u>	ł	UJ	 			l				<u> </u>	<u> </u>
1,1,2,2-Tetrachloroethane	4.66		ug/Kg	υ	YES	UJ	<u> </u>		1	l	UJ	l			<u> </u>				<u> </u>	1
1,1,2-Trichloroethane	4.66		ug/Kg	U	YES	θJ	<u> </u>		l	l	UJ	l <i>.</i>	<u> </u>	<u> </u>	l		<u> </u>		<u> </u>	<u>l</u>
1,1-Dichloroelhane	4.66		ug/Kg	U	YES	UJ	<u> </u>		[l	IJ		1		<u> </u>]		<u> </u>	<u> </u>
1,1-Dichloroethene	4.66		ug/Kg	U	YES	UJ	11		<u> </u>	l	ປປ		l		1 :		1		<u></u>	<u> </u>
1,1-Dichloropropene	4.66		ug/Kg	Ų	YES	UJ	1		[l	UJ		l	Ì	<u> </u>		<u> </u>		<u> </u>	<u> </u>
1,2,3-Trichlorobenzene	4.66		ug/Kg	Ų	YES	UJ	<u> </u>		<u> </u>	l	ยม		<u> </u>		<u> </u>	•			<u>J</u>	<u> </u>
1,2,3-Trichloropropane	4.66		ug/Kg	U	YES	IJ]		l		เก		l]	<u> </u>		l		<u> </u>	<u> </u>
1,2,4-Trichlorobenzene	4.66		ug/Kg	υ	YES	UJ	i				UJ		<u> </u>		l!		l		<u> </u>	<u> </u>
1,2,4-Trimethylbenzene	4.66		ug/Kg	υ	YES	UJ	1				UJ		1		<u> </u>		l		<u> </u>	<u> </u>
1,2-Dibromo-3-chloropropane	28.0		ug/Kg	U	YES	θJ	. 1				UJ		ļ		<u> </u>		l		<u> </u>	<u> </u>
1,2-Dibromoethane	4.66		ug/Kg	ย	YES	មរ	1			<u> </u>	υJ		<u> </u>				l		<u> </u>	ļ
1,2-Dichlorobenzene	4.66		ug/Kg	U	YES	UJ	1		l		UJ		<u> </u>	ļ	<u> </u>		<u> </u>		<u> </u>	<u> </u>
1,2-Dichloroethane	4.66		ug/Kg	U	YES	นา					ÛΊ				[<u> </u>		<u> </u>	<u> </u>
1,2-Dichloropropane	4,66		ug/Kg	U	YES	uJ					UJ				<u> </u>		<u> </u>		<u> </u>	<u> </u>
1,3,5-Trimethylbenzene	4.66		ug/Kg	U	YES	UJ	1 1				UJ						<u> </u>		<u> </u>	<u> </u>
1,3-Dichlorobenzene	4.66		ug/Kg	U	YES	UJ	1 1				UJ		1	l	<u> </u>				<u> </u>	<u> </u>
1,3-Dichloropropane	4.66		ug/Kg	U	YES	IJ	1				υJ				1		1		1	1

Project Number and Name:

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

Library Used:

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Client Sample ID : E11-148-S1

Lab Report Batch: 31101889

Analysis Type: RES

Lab ID : SGSW

Sample Matrix : SO

Sample Date: 07/17/2011 Lab Sample ID: 31101889020

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*		HT	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Тиле	IC	icv	CCA
Analysis Method : 8260B					Dilutle	n: 1														
1,4-Dichlorobenzene	4.66		ug/Kg	U	YES	ŲJ	<u> </u>		<u> </u>	l	UJ		ļ	}	1		<u> </u>		l	1
2,2-Dichloropropane	4.66		ug/Kg	U	YES	UJ	1				UJ		<u> </u>		<u> </u>		<u> </u>		l	1
2-Bulanone	23.3		ug/Kg	U	YES	UJ			<u> </u>		UJ		l	ļ			<u> </u>		l	<u> </u>
2-Chlorotoluene	4.66		ug/Kg	U	YES	UJ	1				LŲ		l		<u> </u>				l <u>.,</u> .	1
2-Hexanone	11.7		ug/Kg	U	YES	IJ					UJ		l]		l	<u> </u>
4-Chlorotoluene	4,66		ug/Kg	U	YES	บว	(UJ		[l	<u> </u>				l	J
4-tsopropyticluene	4.66		ug/Kg	U	YES	IJ					UJ		<u> </u>		<u> </u>]		l	<u> </u>
4-Methyl-2-pentanone	11.7		ug/Kg	U	YES	IJ					UJ		<u> </u>						<u> </u>	1
Acelone	19.5		ug/Kg	J	YES	J					J]		l	1
Benzene	4.66		ug/Kg	U	YES	ยร					UJ		l						l	<u> </u>
Bromobenzene	4.66		ug/Kg	U	YES	UJ					UJ				<u> </u>		}		I <u>.</u>	<u> </u>
Bromochloromelhane	4,66		ug/Kg	U	YES	UJ					W								l	ļ
Bromodichloromethane	4,66		ид/Кд	U	YES	רח					ເນ				l				l	<u> </u>
Bromoform	4.66		ug/Kg	U	YES	IJ					UJ						<u> </u>		l <u>.</u>	1
Bromomethane	4.66		ug/Kg	υ	YES	UJ					UJ		İ					!	<u> </u>	l
Carbon disulfide	4.66		ug/Kg	υ	YES	UJ				UJ	UJ								l	1
Carbon tetrachloride	4.66		ug/Kg	υ	YES	IJ					ŲJ								l	1
Chlorobenzene	4.66		ug/Kg	U	YES	UJ					UJ	.,							l	1
Chloroethane	4,66		ug/Kg	U	YES	UJ					UJ						1		l	
Chloroform	4,66		ug/Kg	U	YES	IJ					UJ							1		1
Chloromethane	4.66		ug/Kg	U	YES	UJ					UJ		1				1		l	<u> </u>
cis-1,2-Dichloroethene	4.66		ug/Kg	U	YES	υJ					UJ [1				1		<u> </u>	Į .
cis-1,3-Dichloropropene	4.66		ид/Кд	U	YES	רח					UJ						1		l	1
Dibromochloromelhane	4.66		ug/Kg	U	YES	บป					nn								l	1
Dibromomelhane	4.66		ug/Kg	U	YES	UJ					[נט						1		l	<u> </u>
Dichlorodifivoromethane	1.66		ug/Kg	U	YES	UJ					เม						1		l]

Project Number and Name:

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

Client Sample ID : E11-148-S1 Sample Date : 07/17/2011 Lab Report Batch: 31101889

Analysis Type: RES

Lab ID : SGSW

Sample Matrix : SO

Lab Sample ID: 31101889020

Reviewed By / Date:

Approved By / Date :

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	CCV CCV
Analysis Method : 8260B					Dilutio	n: 1														
Ethyl Benzene	4.66		ug/Kg	U	YES	UJ				1	UJ	ĺ		ļ	1		F 1		J	1
Hexachlorobuladiene	4.66		ug/Kg	U	YES	UJ			[1	UJ		1						1	
Isopropylbenzene (Cumene)	4.66		ug/Kg	υ	YES	UJ					UJ	1		}					1	1
m,p-Xylene	9.32		ug/Kg	U	YES							1							1	1
Methyl lodide	4.66		ug/Kg	U	YES	IJ				UJ	IJ		ļ		i i				1	1
Methylene chloride	1.94		ug/Kg	J	YES	J]				J			l	1				1	<u> </u>
Naphthalene	4.66		ug/Kg	U	YES	IJ]				UJ						l i		<u> </u>	İ
n-Butylbenzene	4.66		ug/Kg	υ	YES	ยม	1				υJ]	l
n-Propylbenzene	4.66		ug/Kg	υ	YES	ยม	i I				นม								1	
o-Xylene	4.66		ug/Kg	υ	YES	UJ	1				UJ)		<u> </u>	I
sec-Butylbenzene	4.66		ug/Kg	U	YES	UJ	 				UJ		1		İ		<u> </u>		1	[
Styrene	4.66		ug/Kg	u	YES	UJ					UJ				l					1
teri-Bulyi methyl ether (MTBE)	4.66		ug/Kg	U	YES	IJ	1				IJ				ł					<u> </u>
tert-Bulylbenzene	4.66		ug/Kg	Ų	YES	UJ					Ŵ				1 1		1		<u> </u>	l
Tetrachioroethene	4.66		ug/Kg	U	YES	UJ					UJ						1		<u> </u>	
Toluene	1.14		ug/Kg	J	YES	J					J				1!		ĺ			l
trans-1,2-Dichloroethene	4.66		ug/Kg	U	YES	UJ	l				UJ				! !)			Í
trans-1,3-Dichloropropene	4.66		ug/Kg	U	YES	LIJ					UJ				!		<u> </u>			ĺ
trans-1,4-Dichtoro-2-butene	23.3		ug/Kg	U	YES												<u> </u>		l	l
Trichloroethene	4.66		ug/Kg	U	YES	IJ	1				เกา		l		J		ļ <u>.</u>		1]
Trichlorofluoromethane	4.66		ид/Кд	U	YES :	ยู่ป	1				ยม				<u> </u>		<u> </u>		1 1	l
Vinyl chloride	4.66		ug/Kg	U	YES :	UJ			1		UJ				l	1		,. .		
Analysis Method : 8270D					Dilutio	n: 1														
1,2,4-Trichlorobenzene	352		ug/Kg	U	YES :		<u> </u>						<u> </u>			!				
1,2-Dichlorobenzene	352	i	ug/Kg	Ü	YES]			
1,3-Dichlorobenzene	352	i	ug/Kg	U	YES												[
1,4-Dichlorobenzene	352		ug/Kg	U	YES						- 1						1			

Project Number and Name:

ADR 8.2

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Library Used: CampCarroll

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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 : E11-148-S1

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date: 07/17/2011 Lab Sample ID: 31101889020 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overali Qual*	Temp	нт	MB	LCS	MS	Lab Dup	Surr		Moist Tot/Dis		Tune	IC	ICA	CCV CCV
Analysis Method : 8270D					Dilutio	n: 1									.,,,,,					
2,4,5-Trichtorophenol	352		ug/Kg	U	YES							i	1)				1	1
2,4,6-Trichlorophenol	352		ug/Kg	U	YES				1										J	1
2,4-Dichlorophenol	352		ug/Kg	U	YES	Ì			1			l			l					1
2,4-Dimethylphenol	352		ug/Kg	υ	YES				1			ļ								
2,4-Dinitrotoluene	352		ug/Kg	U	YES							5			1					
2,6-Dinitrotoluene	352		ug/Kg	U	YES				[1				1	
2-Chloronaphthalene	352		ug/Kg	U	YES	1													1	
2-Chlorophenol	352		ug/Kg	U	YES	1									1]	
2-Methylnaphthalene	352		ug/Kg	υ	YES		1												l	
2-Melhylphenol	352		ug/Kg	U	YES		1													
2-Nitroaniline	352		ug/Kg	υ	YES															
2-Nitrophenol	352		ва/Ка	U	YES				[1 1				1	
3 and/or 4-Methylphenol	352	,	ug/Kg	υ	YES :										<u> </u>				1	
3-Nitroaniline	352		ug/Kg	U	YES								[J							
4-Bromophenyl phenyl ether	352	i	ug/Kg	U	YES		1						j						ļ	
4-Chloro-3-methylphenol	352	į	ug/Kg	U	YES	ļ	}					1	j j				- 1			
4-Chloroaniline	352	1	ug/Kg	U	YES	-						- 1	1				1			
4-Chlorophenyl phenyl elher	352	;	ug/Kg	U	YES :							ļ	1	1			}			
4-Nitroaniline	352		ug/Kg	U	YES		1						İ		l				l	
4 Nitrophenol	352	1	ug/Kg	U	YES	1			ı		į		l							
Acenaphlhene	352		ug/Kg	υ;	YES						į				l					
Acenaphthylene	352		ug/Kg	U	YES]				1	j				l			
Anthracene	352		ug/Kg	U	YES				<u> </u>	<u>.</u>]		<u>. </u>		1		<u> </u>	IÌ
Benzo(a)anthracene	352		ug/Kg	U	YES		I	1]		i		1							
Вепго(а)рутепе	352	i	ug/Kg	U	YES		I	I	l			1								
Benzo(b)fluoranihene	352		ug/Kg	υ	YES	į				1		1				1				

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 : E11-148-S1

Lab Report Batch: 31101889

Analysis Type: RES

Lab ID: SGSW

Sample Matrix: SO

Sample Date: 07/17/2011 Lab Sample ID: 31101889020

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	ıc	ICV	CCV CCV
Analysis Method : 8270D					Dilutio	on: 1												······		
Benzo(g,h,i)peryiene	352		ug/Kg	υ	YES						}		1	}					1	1
Benzo(k)fluoranthene	352		ug/Kg	U	YES					l	İ	1	l	į						1
Bis(2-Chioroethoxy)methane	352		ug/Kg	U	YES							<u> </u>					,		1	1
Bis(2-Chloroethyl)ether	352		ug/Kg	V	YES]			1		}	l						1	
Bis(2-Chloroisopropyl)ether	352		ug/Kg	U	YES					l]						l		1	[
Bis(2-Ethylhexyl)phthalate	352		ug/Kg	υ	YES					1			1		l				1	
Butyl benzyl phthalate	352		ug/Kg	U	YES	1	1			1	1								1	
Chrysene	352		ид/Кд	U	YES	1					}		1						1	1
Dibenz(a,h)anthracene	352		ид/Кд	ŭ	YES	1	I				(1					1		1	1
Dibenzofuran	352		ug/Kg	U	YES	ı											Ì			
Diethyl phthalate	352		ug/Kg	U	YES		[Ì					
Dimethyl phthalate	352		ug/Kg	U	YES						[
Di-n-butyl phthalate	352		ug/Kg	U	YES	1	ĺ										!			
Di-n-octyl phthalate	352		ug/Kg	U	YES		1										1			
Fluoranthene	352	1	ид/Кд	U	YES															
Fluorene	352		ug/Kg	υ	YES	I					1				l	1				
Hexachlorobenzene	352		ug/Kg	U	YES	- 1			ا		1					- 1	-			
Hexachlorobutadiene	352		ug/Kg	U	YES			1			1									
l lexachiorocyclopentadiene	352	1	ug/Kg	U	YEE	1	1													ı J
Hexachloroethane	352	:	ug/Kg	U	YES		1		1											1
indeno(1,2,3-cd)pyrene	352	1	ug/Kg	U	YES	1							I		1					. 1
isophorone	352		ug/Kg	υ	YES		i i	1	ı											j
Maphthalene	352		ug/K.g	υ	YES		I	ı												
Nitrobenzene	352		ug/Kg	U	YES)	- 1	I				١		Ī	i i	I				
n-Nitrosodi-n-propylamine	352		ug/Kg	U	YES	1	I	١				I				1				
Pentachlorophenol	352	1	ид/Кд	U	YES	υJ	1		1	UJ				ſ	ļ	I	1			. 1

Project Number and Name:

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Library Used: CampCarroll

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Client Sample ID : E11-148-S1

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889020

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overali Qual*	Temp	HT	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	10	ICV	CCV
Analysis Method : 8270D					Diluti	on: 1														
Phenanthrene	352		ug/Kg	υ	YES			<u> </u>		1]	L	l		1				J	1
Phenol	352		ug/Kg	υ	YES	;		1	1	1	ł]	
Pyrene	352		ug/Kg	U	YES	:		1			}	1			{		1 !			1

Project Number and Name:

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Library Used: CampCarroll

ADR 8.2

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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: E11-148-S2

Lab Report Batch: 31101889

Analysis Type: DL

Lab ID : SGSW

Sample Date: 07/17/2011 Lab Sample ID: 31101889021

Sample Matrix: SO

Reviewed By / Date :									.,.	Date :								· · ·	~~~	
Analyte Name	Result	Uncertainty / Error	Result Units	£ab Qual	Rep Res	Overail Qual*		HT	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Типе	łC	ICV	CCV
Analysis Method : 8081					Dilutio	on: 10														
4,4'-DDD	30.9		ug/Kg	J	YES	J			1	1	1	i	J	}				ĺ		-
4,4'-ODD	30.9		ug/Kg	J	YES	J					į		J	1	1		1			1
4,4'-DDE	15.4		ug/Kg	J	YES	j]				 	}	3						1	1
4,4'-DDE	15.4		ug/Kg	J	YES	J						}	J					1	1	1
4,4'-DDT	134		ug/Kg		YES	J					J		J					1		
4,4'-DDT	134		ug/Kg		YES	J				1	J		J	1		,		[
Aldrin	104		ug/Kg	U	YES	רח					1		เกา					1		
Aldrin	104		ug/Kg	U	YES	IJ					1		ไปป	1	1 1					
alpha-BHC	104		ug/Kg	U	YES	UJ					1		UJ	1			1		1	
alpha-BHC	104	:	ug/Kg	U	YES	UJ]	UJ						1	
alpha-Chlordane	104	;	ug/Kg	U	YES	UJ						1	UJ						1	1
alpha-Chlordane	104		ug/Kg	U	YES	IJ	1			[]		UJ					}		l
beta-BHC	104		ug/Kg	U	YES	UJ]	UJ	ļ	1			[1
beta-8HC	104		ug/Kg	U	YES	IJ	i						UJ						1	
Chlordane	347		ид/Кд	υ	YES	ŲJ	1			İ	i		UJ		l				1	1
Chlordane	347		ug/Kg	U	YES	IJ	1						l ni					¦	1	1
delta-BHC	104		ид/Ко	U	YES	ยม				· · · · · ·			UJ						1	
delta-BHC	104		ug/Kg	U	YES	UJ	· · · · · · · · · · · · · · · · · · ·						เม				f	1		
Dieldrin	104		ug/Kg	υ	YE6	UJ	1			i i			UJ							
Dioldrin	104		ug/Kg	U	YES	UJ	1	1					UJ				i i		1	
Endosulian I	104		ug/Kg	U	YES	ข _ั บ	1	1					UJ						l	1
Endosulfan i	104		ug/Kg	U	YES	IJ	1	1					υJ						1	1
Endosulian li	104	:	ug/Kg	U	YES	UJ				1			UJ						l	1
Endosulfan II	104	:	ug/Kg	U	YES	UJ							IJ						i	l
Endosulfan sulfale	104	:	ug/Kg	U	YES	υJ	· · · · · · · · · · · · · · · · · · ·	 I	i				UJ						ļ	
Endosulfan sulfate	104		ug/Kg	U	YES	IJ	i	ì	i	ĺ			UJ		1				1	i

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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: E11-148-S2

Lab Report Batch: 31101889

Analysis Type: DL

Lab ID : SGSW

Sample Matrix : SO

Sample Date: 07/17/2011

Lab Sample ID: 31101889021

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quaf	Rep Res	Overal Qual*	í Temp	HT	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	iC	ICV	CCA CCA
Analysis Method : 8081					Dilutio	n: 10														
Endrin	104		ug/Kg	U	YES	UJ	1		1		i	1	ÜJ	1	1				I	1
Endrin	104		ug/Kg	U	YES	ΠJ	1 1				ì	1	UJ		1				1	
Endrin aldehyde	104	;	ug/Kg	Ų	YES	UJ			[ĺ		UJ				1			
Endrin aldehyde	104		ug/Kg	U	YES	เม							υJ				j		[
Endrin ketone	104		ug/Kg	U	YES	UJ							UJ]					1	[
Endrin ketone	104		ug/Kg	U	YES	UJ	i					1	UJ		1					1
gamma-BHC (Lindane)	104		ug/Kg	U	YES	UJ					1	,	UJ							1
gamma-BHC (Lindane)	104		ид/Кд	U	YES	UJ	1				1		UJ						1	
gamma-Chlordane	104		ug/Kg	U	YES	UJ					{		UJ							
gamma-Chlordane	104		ug/Kg	U	YES	UJ							ΠŊ				į		1	
Heptachlor	104		ug/Kg	U	YES	UJ				1			UJ							
Heplachlor	104		ug/Kg	U	YES	UJ	í I				1		UJ	1]				1]
Heptachlor epoxide	104		ug/Kg	U	YES	UJ							UJ		i i				I	l
Heptachlor epoxide	104		ug/Kg	U	YES	υJ							ן ט		ĺ		1		l	
Melhoxychior	104		ug/Kg	Ų	YES	IJ]					[เม	1					[[
Methoxychlor	104		ид/Кд	U	YES	บป	İ					}	UJ							
Toxaphene	347		ug/Kg	U	YES	UJ	1					}	UJ							1
Toxaphene	347		ug/Kg	U	YES	IJ		· · · · · · · · ·				i	UJ						1	1

Project Number and Name:

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Library Used:

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ADR 8.2

Report Date: 9/6/2011 09:53 Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review Page 233 of 288

Client Sample ID : E11-148-S2

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date : 07/17/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889021

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overail Quai*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV
Analysis Method : 6010C					Dilutio	on: 1														
Arsenic	6.19		mg/kg		YES						1	[1		1	'	[[1
Barium	112		mg/kg		YES						į					****				
Cadmium	1.07		mg/kg	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	YES	U			U	1	í			!					1	1
Chromium	4,39		mg/kg		YES									i					1	
Lead	19.4		mg/kg		YES							}		Ì]	
Selenium	1.01		mg/kg	J	YES							1]	1
Silver	1.03)	mg/kg	U	YES				Í			•								1
Analysis Method : 7471B				• • • • • • • • • • • • • • • • • • • •	Dilutio	n: 1							********							
Mercury	0.00154		mg/kg	J.	YES							l	1				<u> </u>		J	1
Analysis Method : 8151					Dilutio	n: 1														
2,4,5-T	0.0169		mg/kg	U	YES	Į						<u> </u>	[]		<u> </u>			<u> </u>
2,4,5-TP (Silvex)	0.0169		mg/kg	U	YES						<u> </u>	!	<u> </u>		l				<u> </u>	<u> </u>
2,4'-D	0.0169		mg/kg	U	YES						l			<u> </u>			[<u> </u>	<u> </u>
2,4-DB	0.0169		mg/kg	υ	YES	l								<u> </u>					<u> </u>	<u> </u>
Dicamba	0.0169		mg/kg	U	YES		1			l		<u> </u>		l			L		1	I
Analysis Method : 8260B					Dilutio	n: 1														
1,1,1,2-Tetrachloroethane	4.44	<u>j</u>	ug/Kg	U	YES					<u>.</u>		l							1	1
1,1,1-Trichloroethane	4.44	ì	ug/Kg	U	YES]						[l				1	<u> </u>
1,1,2,2-Tetrachioroethane	4 44		tig/Kg	U	YES	U.F					HJ.				l, <u>,</u>				1	1
1,1,2-Trichloroethane	4.44		ug/Kg	U	YES	1										1				1
1,1-Dichloroethane	4,44		սց/Кց	ย	YE3								l		li					<u> </u>
1,1-Dichloroethene	4,44	;	ид/Кд	ับ	YES				1						l					!
1,1-Dichlompropene	4.44		ug/Kg	U	YES :				J										[]	
1,2,3-Trichlorobenzene	4,44	;	ug/Kg	U	YES										1			*******]	l
1,2,3-Trichloropropane	4.44	-	ug/Kg	U	YES					j							j			
1,2,4-Trichlorobenzene	4.44		ug/Kg	U	YES	i	i i			j			[J				1		l	1
1,2,4-Trimelhylbenzene	4.44		ug/Kg	U	YES]	1			1						1	ĺ		1	

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

Library Used: CampCarroll

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

Client Sample ID: E11-148-S2

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889021

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV
Analysis Method : 8260B					Dilutio	n: 1						ii								
1,2-Dibromo-3-chloropropane	26.6		ug/Kg	U	YES				[1)	l (}			
1,2-Dibromoethane	4.44		ug/Kg	U	YES		-			1										
1,2-Dichiorobenzene	4.44		ug/Kg	υ	YES		1			1	<u>.</u>							.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	
1,2-Dichloroethane	4.44		ug/Kg	U	YES		1				[1
1,2-Dichloropropane	4.44		ug/Kg	U	YES]					j]
1,3,5-Trimethylbenzene	4.44		ug/Kg	U	YES														[
1,3-Dichlorobenzene	4.44		ug/Kg	U	YES															
1,3-Dichloropropane	4.44		ид/Кд	U	YES		-								1 .					l
1,4-Dichlorobenzene	4.44		ug/Kg	U	YES		1			1										1
2,2-Dichloropropane	4.44		ug/Kg	υ	YES		1			1]				1					1
2-Butanone	22.2		ug/Kg	U	YES															
2-Chlorotoluene	4.44		ug/Kg	U	YES		Ì				[1					1
2-Hexanone	11.1		ug/Kg	U	YES			1							İ		į			
4-Chlorotoluene	4.44		ug/Kg	U	YES												1			
4-Isopropyltoluene	4.44		ug/Kg	U	YES	ļ	1													1
4-Methyl-2-pentanone	11.1)	ug/Kg	U	YES		ı													
Acetone	80,7)	ug/Kg		YES	j					J									
Benzene	4.44		ug/Kg	U	YES	- 1	1	J						l			İ			
Bromobenzene	4.44		ug/Kg	U	YE3	i	1		l								1			
Bromochloromethane	4.44	ì	ug/Kg	u	YES :	}		ļ									}			
Bromodichloromethane	4,44	!	ug/Kg	Ų	YES)												1
Bromoform	4.44		ug/Kg	V	YES	UJ	1				U3									, l
Bromomethane	4,44	ĺ	ug/Kg	υ	YES				j								ĺ			1
Carbon disulfide	4.44	i	ug/Kg	U	YES		1	1			į									. 1
Carbon tetrachloride	4.44	;	ug/Kg	U	YES]	1	1	1		ì	1	į							!
Chiorobenzene	4.44	:	ug/Kg	U	YES	1	ı	1			i	1	§	1	-		į		1	

Project Number and Name:

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

Library Used: CampCarroll

Report Date: 9/6/2011 09:53

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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 : E11-148-S2

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date : 07/17/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889021

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overall Quai*	Temp	нт	мв	LCS	MS	Lab Đup	Surr	Rep Limit	Moist Tot/Dis	Tune	IC	ICV	CCV
Analysis Method : 8260B					Dilutio	on: 1										 			
Chloroethane	4,44		ug/Kg	U	YES	UJ.					UJ	1	i			1			
Chloroform	4.44		ug/Kg	U	YES			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1			1	1					l	[
Chloromethane	4.44		ug/Kg	U	YES				1	1		1	1			 		1	
cis-1,2-Dichloroethene	4.44		ug/Kg	U	YES				i	1				1				}	[
cis-1,3-Dichlaropropene	4.44		ug/Kg	U	YES				l	1				Ì					l
Dibromochloromethane	4.44		ug/Kg	U	YES	1	-		l	1	}		1	[1 1	 l		J	ļ
Dibromomethane	4.44		ug/Kg	U	YES	1				l	1	Ï	1		1 1				1
Dichlorodifluoromethane	4,44		ug/Kg	U	YES		1				l	1			1 1	 		1	<u> </u>
Ethyl Benzene	4.44		ug/Kg	U	YES		1					}	1		1			1	<u> </u>
Hexachlorobutaciene	4.44		ug/Kg	υ	YES	UJ					UJ				1 1	 		1	<u> </u>
Isopropylbenzene (Cumene)	4.44		ug/Kg	U	YES				1			l				 		<u> </u>]
m.p-Xylene	8.88		ug/Kg	U	YES	İ				l	1		ĺ]		<u> </u>	[
Melhyl iodide	4.44		ug/Kg	U	YES		1			1	l				1	 		!	
Methylene chloride	2.27	;	ug/Kg	J	YES]						l			 		1	<u> </u>
Naphthalene	4.44	;	ид/Кд	U	YES								l		l !	 		1	l
n-Butylbenzene	4.44		ug/Kg	U	YES											 1		1	l
n-Propylbenzene	4.44		ug/Kg	U	YES		1				İ					 - 1		1	1
o-Xylene	4.44		ug/Kg	U	YES		1									 1		!	l
sec-Butylbenzene	4,44		ug/Kg	U	YES	1	1				Í					į			[
Styrene	4,44		ug/Kg	U	YCC		1											[1
tert-Bulyt methyl ether (MTBE)	4.44		ug/Kg	υ	YES													<u>.</u>	1
tert-Butylbenzene	4.44		ug/Kg	ប	YES :								l		l	 		<u> </u>	1
Tetrachioroethene	1.73	i	ид/Кд	J	YES		Ì									 			l
Toluene	4.44		ug/Kg	U	YES										1			1	
trans-1,2-Dichtoroethene	4.44	:	ug/Kg	U	YES	UJ	1			UJ.						 		1	
frans-1,3-Dichtoropropene	4.44		ug/Kg	U	YES	1	1									1			

Project Number and Name:

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

Library Used: CampCarroll

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^{*} Overall result qualifier refrects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID: E11-148-S2

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889021

Reviewed By / Date :							- Դի		. Бу /	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	Field QC	Tune	IC	ICV	CCV CCV
Analysis Method : 8260B		A.A.A. 111 1112 A			Ditut	ion: 1							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
trans-1,4-Dichloro-2-butene	22.2		ug/Kg	U	YES	:			1		ì	ĺ	1	1		ĺ			1	1
Trichtoroethene	4,44		ug/Kg	U	YES		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,			1		1							1
Trichlorofluoromethane	4.44		ug/Kg	Ų	YES					1					1]	1
Vinyl chloride	4.44		ug/Kg	Ų	YES							1			1				1	1
Analysis Method : 8270D					Dilut	ion: 1														
1,2,4-Trichlorobenzene	352		ug/Kg	U	YES	.						(1						1	1
1,2-Dichlorobenzene	352		ug/Kg	U	YES					1	1	l	1							1
1,3-Dichlorobenzene	352		ug/Kg	U	YES		/				1			}						
1,4-Dichlorobenzene	352		ug/Kg	U	YES					1	-			}						
2,4,5-Trichlorophenol	352		ug/Kg	υ	YES					1					1					1
2,4,6-Trichlorophenol	352		ид/Кд	U	YES	: 1						1			1					1
2,4-Dichlorophenol	352	[ug/Kg	U	YES]	1]		1				1	
2,4-Dimethylphenol	352	;	ug/Kg	U	YES		1			1			1		[
2,4-Dinitrololuene	352		ug/Kg	U	YES					1]				,			1	
2,6-Dinitrotoluene	352		ug/Kg	ប	YES		i i				 		i i		1					1
2-Chloronaphthalene	352		ug/Kg	U	YES]					 								1	1
2-Chlorophenoi	352		ug/Kg	U	YES	1	1												1	l
2-Methylnaphthalene	352		ug/Kg	U	YES	į					1						1			
2-Methylphenol	352		ug/Kg	U	YE8	1	·····i				[1 1		}		[
2-Nitroaniline	352		ug/Kg	U	YES	1	i										(1
2-Nitrophenal	352		ug/Kg	U	YES	: 1											1			1
3 and/or 4-Methylphenol	352		ug/Kg	U	YES	; ;				······										1
3 Nitroaniline	352		ug/Kg	U	YES	i i														l
4-Bromophenyl phenyl ether	352		ug/Kg	υ	YES	i	1										1			1
4-Chloro-3-methylphenol	352		ид/Кд	U	YES	: 1	l				[1				1			†
4-Chlorosniline	352		ug/Kg	U	YES	i i								:						1
4-Chlorophenyl phenyl ether	352		ug/Kg	U	YES	; i	<u>'</u>]					i			i				1

Project Number and Name:

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

Library Used: CampCarroll

Report Date: 9/6/2011 09:53

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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: E11-148-S2

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date : 07/17/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889021

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res		Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	icv	CCV
Analysis Method : 8270D					Dilut	on: 1														
4-Nitroanlline	352		ug/Kg	Ų	YES					J	į		1	l	Ī		[<u>.</u> .]]
4-Nitrophenol	352		ug/Kg	Ų	YES	[1				1	1	1				<u> </u>	ļ
Acenaphthene	352		ug/Kg	U	YES				ŀ				1	1			[]		1]
Acenaphihylene	352		ug/Kg	U	YES					1			1	ļ			1	L	1	
Anthracene	352		ug/Kg	U	YES		.,,,,,			l				1					l	
Benzo(a)anthracene	352		ug/Kg	U	YES														l	1
Benzo(a)pyrene	352		ug/Kg	U	YES															1
Benzo(b)fluoranthene	352		ug/Kg	U	YES					l	ļ						l		l	l
Benzo(g,h,i)perylene	352		ug/Kg	U	YES	1			1		ļ		[1		<u> </u>		<u> </u>	1
Benzo(k)fluoranthene	352		ug/Kg	U	YES		-		1	1	1				1		<u> </u>]	<u> </u>
Bis(2-Chloroethoxy)methane	352	;	ug/Kg	U	YES					1	1		1	l	1]			1
Bis(2-Chloroethyl)ether	352		ug/Kg	U	YES								1		1				<u> </u>	<u> </u>
Bis(2-Chloroisopropyl)elher	352		ug/Kg	U	YES										[]				1	<u> </u>
Bis(2-Ethylhexyl)phthalate	35.1		ug/Kg	j	YES		ŀ												1	<u> </u>
Butyl benzyl phthalate	352		ug/Kg	U	YES		1						<u> </u>		1				<u> </u>	<u> </u>
Chrysene	352		ug/Kg	U	YES		1						ł				!		.	l
Dibenz(a,h)anthracene	352		ug/Kg	U	YES								[1				l	
Dibenzofuran	352		ug/Kg	U	YES		1						Ĺ	l					1	
Diethyl phthalate	352		ug/Kg	U	YES	1	1							l			j			1
Dimelhyl phthalate	59.6		ug/Kg	J	YES								1			- 1				1
Di-n-bulyl phthalale	352		ug/Kg	U	YES															1
Di-n-octyl phthalate	352		ug/Kg	U	YES		1								ļI		ļ		l	1
Fluoranthene	362		ug/Kg	Ų	YE8	1	1		L						<u> </u>				l	<u> </u>
Fluorene	352		ug/Kg	V	YES								[[1	1
Hexachlorobenzene	352		ug/Kg	υ	YES						ĺ						1			1
Hexachlerobutadiene	352	;	ug/Kg	U	YES	1	1				i i					l	Ì	, . , . ,		1

Project Number and Name:

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 09:53 * Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review Page 238 of 288

Client Sample ID: E11-148-S2 Sample Date: 07/17/2011

Lab Report Batch: 31101889

Analysis Type: RES

Lab ID: SGSW

Sample Matrix: SO

Lab Sample ID: 31101889021

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	iC	ICV	CCV CCV
					Diluti	on: 1			,,											
Hexachiorocyclopentadiene	352		ug/Kg	U	YES				l	<u> </u>		l	<u> </u>		<u> </u>		l	Į	<u> </u>	
Hexachloroethane	352	:	ug/Kg	U	YES					1	1	l	1		1i		I	<u> </u>	<u> </u>	1
Indeno(1,2,3-cd)pyrene	352		ug/Kg	U	YES					l	1	İ	1		1		l	l	<u> </u>	1
Isophorone	352		ug/Kg	V	YES					1		İ	1				l		<u> </u>	1
Naphthalene	352		ug/Kg	U	YES		1				.,	1	1				<u> </u>		<u> </u>	1
Nitrobenzene	352		ug/Kg	U	YES		١			1	[l	l		İ		l		<u> </u>	1
n-Nitrosodi-n-propylamine	352		ид/Кд	U	YES					l			1		1		l)	1	1
Pentachlorophenol	352		ug/Kg	U	YES	UJ				UJ		1			1		İ		1	1
Phenanthrene	352		ug/Kg	U	YES						}	1			1				1	1
Phenol	352		ug/Kg	U	YES					l		}							1	1
Pyrene	352		ug/Kg	U	YES					l										

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

Library Used:

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Report Date: 9/6/2011 09:53 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

Client Sample ID: E11-148-S3

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889024 Reviewed By / Date:

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quaf		Overall Quai*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Moist Tot/Dis		Типе	IC	ΙCV	CCV
Analysis Method : 6010C					Dilutio	on: 1								 					
Arsenic	2.86		mg/kg		YES	J	1				J	J	1]	<u> </u>
Barium	74.9		mg/kg		YES				l		i	1	1]		1	ļ
Cadmium	0,769		mg/kg		YES	U			U	1		Ì				}		1	
Chromium	4.46		mg/kg		YES	J						J		 1		}]	l
Lead	7.02		mg/kg		YES	J					J		<u> </u>	 					<u> </u>
Selenium	0,700	,	mg/kg	J	YES					1	!	L	1	 <u> </u>		<u> </u>		1	<u> </u>
Silver	0.934		mg/kg	υ	YES		1		1	<u> </u>	1	<u> </u>		 <u> </u>]	<u> </u>
Analysis Method : 7471B					Dilutio	n: 1							.,.,	 					
Mercury	0.0204		mg/kg	U	YES				<u> </u>	<u> </u>	1	l	1	 II		l		<u> </u>	1
Analysis Method : 8081					Dilutio	n: 1													
4,4-DDD	10.0	<u> </u>	ug/Kg	U	YES				ļ	<u> </u>	<u> </u>	l <u></u>		 1		[<u> </u>	<u> </u>
4,4'-DDD	10.0	<u> </u>	ug/Kg	υ	YES				l	<u> </u>	<u> </u>	<u> </u>	[]	 <u> </u>		<u> </u>		<u> </u>	<u> </u>
4,4'-DDE	10.0	įi	ug/Kg	U į	YES	,,			l	l		l	<u> </u>	 <u> </u>				<u> </u>	<u> </u>
4,4'-DDE	10.0		ug/Kg	U	YES				l	<u> </u>	<u> </u>		<u> </u>	 11		l		<u> </u>	<u> </u>
4,4-DDT	3.43	<u> </u>	ug/Kg	J	YES	ŲJ			U	<u> </u>	J	<u></u>		 <u> </u>		Ì		1	<u> </u>
4,4'-DDT	3.43	<u>;</u>	ug/Kg	J	YES	ַ עט	1		U		<u>J</u>	<u> </u>	l	 1				<u> </u>	<u> </u>
Aldrin	10.0		ug/Kg	υ	YES						l	l	<u> </u>	 				<u> </u>	<u> </u>
Aldrin	10.0	<u> </u>	ug/Kg	U	YES						l		<u> </u>	 l!				<u> </u>	<u> </u>
alpha-Bl IC	10.0		ug/Kg	υ	YES :					1			<u> </u>	 <u> </u>				<u> </u>	<u> </u>
alpha BHC	10.0		ug/Kg	U	YES							<u> </u>	l	 					<u> </u>
alpha-Chlordane	10.0		ug/Kg	U	YES		1						[]]]				[]	Į.
alpha-Chlordane	10.0	,	ug/Kg	υ	YES		1			<u> </u>			<u> </u>	 l <u>.</u>	<u>]</u>				į
bola BHC	10.0		ug/Kg	U	YES	}							l	 	<u>.</u>			1	İ.,
bela-BHC	10.0		ug/Kg	U	YES									 l				1	l
Chlordane	33.4	ĺ	ug/Kg	U	YES			J						 	1				
Chlordane	33.4		ug/Kg	U	YES	j		١		ĺ					١				
delta-BHC	10.0		ug/Kg	U	YES:			1						 i	1	1		1	1

Project Number and Name:

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Library Used: CampCarroll

Report Date: 9/6/2011 09:53

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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

Client Sample ID : E11-148-S3 Sample Date: 07/17/2011

Lab Report Batch: 31101889

Analysis Type: RES

Lab ID : SGSW

Sample Matrix: SO

Lab Sample ID: 31101889024

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Quai*	Temp	нт	мв	LCS	мs	Lab Dup	Surr		Moist Tot/Dis		Tune	IC	ICV	CCA CA1
Analysis Method : 8081					Dilutio	on: 1														
delta-BHC	10.0		ид/Кд	U	YES				ļ	j			Í						1	Ì
Diefdrin	10.0		ug/Kg	Ų	YES				1				l							
Dieldrin	10.0		ug/Kg	υ	YES		1			1	1				1					
Endosulfan I	10.0		ug/Kg	U	YES	ļ	- 1			1]									
Endosulfan I	10.0		ug/Kg	U	YES	ı						}								
Endosulfan II	10.0		ug/Kg	υ	YES							}			[
Endosulfan li	10.0		ug/Kg	U	YES					[.,		1
Endosulfan sulfate	10.0		ug/Kg	U	YES										1					
Endosulfan sulfate	10.0		ug/Kg	U	YES										1				1	
Endrin	10.0	;	ид/Кд	U	YES	1									1 .		ĺ		1	
Endrin	10.0		ug/Kg	U	YES		I													
Endrin aldehyde	10.0	j	ug/Kg	υ	YES															
Endrin aldehyde	10.0	į	ид/Кд	บ	YES	1	Ì								1					
Endrin ketone	10.0	į	ug/Kg	U	YES	ĺ														
Endrin ketone	10.0		ug/Kg	U	YES								1				1			
gamma-BHC (Lindane)	10.0		ug/Kg	U	YES	i	1						i		ĺ		į			
gamma-BHC (Lindane)	10.0		ид/Кд	U	YES	1	1]					ì							
gamma-Chlordane	10.0		ug/Kg	U	YES	1	1						1		1		į			
gamma-Chlordano	10.0	1	ug/Kg	υ	YES							ı	- 1		1		i			
Heptachlor	10.0	:	ug/Kg	υ	YES										i					
Heptachlor	10.0	į	ug/Kg	ប	YES	į	-					ĺ	į		İ		1			
Heptachlor epoxide	10.0		ug/Kg	U	YES	1	1	1	1				3				1			
Heplachlor epoxide	10.0		ug/Kg	U	YES		I	1	J]						1	1		i	1
Methoxychlor	10.0	;	ug/Kg	U	YES		1)	1	1							
Melhoxychlor	10.0	:	ид/Кд	U	YES							1	i			1				
Toxaphene	33.4	1	ug/Kg	U	YES		1	1	1			1	1	1		I			ı	

Project Number and Name:

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

Library Used:

Report Date: 9/6/2011 09:53

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ADR 8.2 * Overalt result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Client Sample ID : E11-148-S3

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889024

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overall Qual*	Temp	нт	мв	LCS	мѕ	Lab Dup	Surr	Molst Tot/Dis		Tune	IC	ICV	CCV
Analysis Method : 8081				v. / * 1 * · · · · · · · · · · · · · · · · ·	Diluti	on: 1	************		,					 					
Toxaphene	33.4	;	ug/Kg	U	YES	: 1			[1									1
Analysis Method : 8151					Dliuti	on; 1				,				 					
2,4,5-T	0.0168		mg/kg	U	YES					i	1	1]	1					
2,4,5-TP (Silvex)	0,0168		mg/kg	U	YES						}	§		 1				1	
2,4'-D	0.0168		mg/kg	U	YES							ĺ	l	1				1	1
2,4-DB	0.0168		mg/kg	U	YES	İ					l		l	1				1	1
Dicamba	0.0168	1	mg/kg	U	YES	I													1
Analysis Method : 8260B					Dilutio	on: 1					*********			 					
1,1,1,2-Tetrachloroethane	4.14		ug/Kg	U	YES	UJ					UJ	{]				1	1
1,1,1-Trichloroethane	4.14	į	ug/Kg	U	YES	υJ				1	UJ	1]					1
1,1,2,2-Tetrachloroethane	4.14		ug/Kg	บ	YES	มา	- 1				UJ	1		1					
1,1,2-Trichloroethane	4.14	i	ид/Кд	U	YES	UJ	J				UJ	İ		 1		<u> </u>			<u> </u>
1,1-Dichloroethane	4.14	Ì	ug/Kg	υ	YES	υJ		1			UJ	1		 		1	·	1	1
1,1-Dichloroethene	4.14		ug/Kg	U	YES	UJ					ŲĴ			 		1		1	
1,1-Dichloropropene	4.14	Ì	ug/Kg	U	YES	ยม	1	1			UJ		l]	
1,2,3-Trichlorobenzene	4.14		ug/Kg	U	YES	UJ]			IJ			 1				1	1
1,2,3-Trichloropropane	4.14		ug/Kg	υ	YES	UJ		1			IJ			 				1	
1,2,4-Trichlorobenzene	4.14		ug/Kg	υ	YES	IJ	1	1		j	UJ		<u> </u>	 l]	ļ
1,2,4 Trimethylbenzene	4.14	:	ug/Kg	U	YES	กา		1		ļ	UJ		!	 1				1	1
1,2-Dibromo-3-chloropropane	24.8		ug/Kg	U	YES	เกา	1			}	ĻIJ			 				1	1
1,2-Dibromeethane	4.14	;	ug/Kg	U :	YES	UJ	1	l			UJ		Í	 1				ļ	İ
i,2-Dichlorobenzene	4.14	İ	ug/Kg	U	YES	UJ	J				IJ			 1				1	
,2-Dichloroelhane	4 14		ид/Кд	11	YFS :	11.1		1			141			 					
,2-Dichloropropane	4,14	;	ug/Kg	U	YES	ĐĴ		1			UJ]	İ
1,3,5-Trimelhylbenzene	4.14	;	ug/Kg	Ų,	YES	ยม	1	1			UJ		i	 				1	1
1,3-Dichlorobenzene	4.14	ï	ug/Kg	U	YES	UJ	1	1			UJ		1	 		1		1	l
1.3-Dichloropropane	4.14	:	ug/Kg	U I	YES	UJ	1	ì		1	UJ	1		 ļ i			-,-,,	1	1

Project Number and Name:

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Library Used: CampCarroll

Report Date: 9/6/2011 09:53

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[^] Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added anamually for categories not assessed by automated data review

Client Sample ID : E11-148-S3

Lab Report Batch: 31101889

Analysis Type: RES

Lab ID : SGSW

Sample Matrix: SO

Sample Date: 07/17/2011 Lab Sample ID: 31101889024

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overati Quai*	Temp	НT	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV
Analysis Method : 8260B					Dilutio	on: 1			2214 1											
1,4-Dichtorobenzene	4.14	;	ug/Kg	U	YES	UJ				1	UJ								1	
2,2-Dichloropropane	4.14		ug/Kg	υ	YES	UJ				l	UJ	{		ļ			l		1	
2-Bulanone	20.7		ug/Kg	U	YES	UJ			1	l	ŲIJ	1			1					
2-Chlorotoluene	4.14		ug/Kg	U	YES	UJ	١			1	UJ	1								
2-Hexanone	10,3		ug/Kg	U	YES	ŲJ			(ເນ					******			<u> </u>	<u> </u>
4-Chlorotoluene	4.14		ug/Kg	U	YES	บม					UJ				l f					1
4-Isopropyltoluene	4.14		ug/Kg	υ	YES	ยม			l	l	UJ				ĺ		1			1
4-Melhyi-2-pentanone	10.3		ug/Kg	U	YES	UJ	1		1	1	UJ	[-			Ī
Acetone	7.71		ug/Kg	J	YES	j	1			l	J	[ļ			1
Benzene	4.14		ug/Kg	U	YES	UJ	1				UJ									
Bromobenzene	4,14		ug/Kg	U	YES	IJ					UJ				1	· 			l	[
Bromochloromethane	4,14		ид/Кд	ប	YES	UJ	ĺ				UJ						l		l	
Bromodichloromelhane	4.14		ug/Kg	U	YES :	UJ					UJ				l					
Bromoform	4.14		ug/Kg	U	YES	UJ					UJ	1	}				1		ļ	
Bromomelhane	4.14		ug/Kg	U	YES	ยม					ŲJ			J					l	
Carbon disulfide	4.14	i	ug/Kg	U	YES	IJ				UJ	បរ				li				l	<u> </u>
Carbon tetrachloride	4.14	;	ug/Kg	U	YES	UJ	İ				UJ				l				l	!
Chlorobenzene	4.14		ug/Kg	U	YES	UJ					ΟĴ				1			l	l	
Chloroethane	4,14		ug/Kg	U	YES	IJ				1	UJ									
Chloroform	4.14		ид/Кд	U	YEG	ยม	. 1				UJ		1				ì			
Chloromethane	4.14	j	ug/Kg	U	YES	IJ					UJ		1	ı	1					i
cis-1,2-Dichloroethene	4.14	į	ug/Kg	U	YES	UJ					IJ		Í	J		1	Ì			
cis-1,3·Dichlaropropano	4.14		ug/Kg	U	YES	UJ				l j	IJ				İ		Ĺ		l	
Dibromochioromethane	4.14		ug/Kg	U	YES	UJ	1				υJ		j		1					
Dibromomelhane	4.14	i	ug/Kg	υ	YES	ยม	1			1	UJ		j)					
Dichlorodifluoromethane	4.14		ug/Kg	U	YES	UJ		}			ŲJ		1	1						

Project Number and Name:

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

Library Used: CampCarroll

Report Date: 9/6/2011 09:53

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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

Client Sample ID: E11-148-S3

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011

Reviewed By / Date :

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889024

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*		нт	МВ	LCS	MS	Lab Dup	Surr		Moist Tot/Dis		Tune	Ю	ICV	CCV
Analysis Method : 8260B					Dilutio	n: 1														
Ethyl Benzene	4,14	i	ug/Kg	U	YES	UJ		1			UJ				1 1				1	1
Hexachlorobutadiene	4.14		ид/Кд	U	YES	UJ			1]	UJ				l		i			<u> </u>
Isopropylbenzene (Cumene)	4.14		ug/Kg	U	YES	ĐJ	ĺ		1		UJ	į		1	l i				<u> </u>	<u> </u>
m,p-Xylene	8.28		ug/Kg	U	YES				1				1]	<u> </u>		<u>[i</u>		<u>[</u>	<u> </u>
Methyl lodide	4.14		ug/Kg	ប	YES	UJ			1	UJ	UJ	[1		<u> </u>		<u> </u>		<u> </u>	<u> </u>
Methylene chloride	2.13		ug/Kg	J	YES	J	<u> </u>	<u> </u>		1	J	<u> </u>	1	l	<u> </u>		<u> </u>		1	<u> </u>
Naphthalene	4.14		ug/Kg	U	YES	UJ		l		1	เม		1		<u> </u>				<u> </u>	<u> </u>
n-Butylbenzene	4.14		ug/Kg	U	YES	UJ			1	l	เม				1 1				<u> </u>	1
n-Propylbenzene	4.14		ид/Кд	U	YES	UJ]		[UJ	!	l		1				<u> </u>	<u> </u>
o-Xylene	4.14		ид/Кд	U	YES	UJ		l			UJ	<u> </u>			1				<u> </u>	
sec-Butylbenzene	4.14		ug/Kg	U	YES	ΩJ			1	l	UJ	İ	l		1 }				<u>.</u>	l
Styrene	4.14		ug/Kg	υ	YES	ÛΊ			1		UJ	}			l				<u> </u>	l
terl-Bulyl methyl ether (MTBE)	4.14		ug/Kg	U	YES	UJ					UJ				[]	<u>.</u> .	ĺ		<u> </u>	
tert-Bulyfbenzene	4,14		ug/Kg	U	YES	UJ					UJ		l							İ
Tetrachioroelhene	0.828		ид/Кд	J	YES	J	ا				J			l					1	l
Toluene	2.00		ид/Кд	J	YES	J			1		J		1		1				1	l
trans-1,2-Dichloroethene	4.14		ug/Kg	υ	YES	UJ			1		UJ		ĺ		1	ł				l
trans-1,3-Dichloropropene	4.14		ug/Kg	υ	YES	IJ					UJ								i	
frans-1,4-Dichlore-2-butene	20.7		ug/Kg	U	YES				[l	}			j
Trichioroethene	4.14		ug/Kg	U	YES	IJ					UJ		1				¥.			i
Trichlorofluoromethane	4.14		ug/Kg	U	YES	UJ					UJ		1		l					i
Vinyl chloride	4.14		ug/Kg	υ	YES	กา	ı				UJ		1				į			j
Analysis Method . 8270D					Dilutio	n: 1														
1,2,4-Trichlorobenzene	339		ug/Kg	U	YES															
1,2-Dichlorobenzene	339		ug/Kg	υ	YES										l					
1,3-Dichlorobenzene	339		ug/Kg	U	YES															
1,4-Dichlorobenzene	339		ug/Kg	u	YES		1		1							1	i			

Project Number and Name:

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Report Date: 9/6/2011 09:53

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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

Client Sample ID: E11-148-S3

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date : 07/17/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889024

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overali Qual*		нт	мв	LCS	MS	Lab Dup	Surr		Moist Tot/Dis		Tune	IC	icv	CCV
Analysis Method : 8270D					Diluti															
2,4,5-Trichlorophenol	339	1	ug/Kg	Ų	YES	:			1	l		į	1	}						Ī
2,4,6-Trichlorophenal	339		ug/Kg	U	YES							,	1						1	1
2,4-Dichlorophenol	339		ug/Kg	υ	YES														1	1
2,4-Dimethylphenol	339		ug/Kg	υ	YES	: 1											l		1	
2,4-Dinitrotoluene	339		ug/Kg	U	YES				l		1]			1			
2,6-Dinitrotoluene	339		ug/Kg	U	YES				1		1	1							1	1
2-Chloronaphthalene	339		ug/Kg	U	YES				l	<u> </u>		1]]	1		
2-Chlorophenol	339		ug/Kg	U	YES				1		[!	1		Ī		l	1		
2-Methylnaphthalene	339		ug/Kg	U	YES				1			}	1	i	1		<u> </u>	}		
2-Methylphenol	339		ug/Kg	υ	YES	:						<u> </u>						}	1	
2-Nitroaniline	339		ug/Kg	U	YES															
2-Nitrophenol	339		ug/Kg	U	YES	: 1			1	i	1		1						l	l
3 and/or 4-Methylphenol	339		ug/Kg	U	YES					l	í	·····	1]]		
3-Nitroaniline	339		ug/Kg	U	YES		1					[?]	
4-Bromophenyl phenyl ether	339		ug/Kg	Ų	YES								1		i !					1
4-Chloro-3-methylphenol	339		ug/Kg	U	YES						 }]				1	1
4-Chloroaniline	339		ug/Kg	U	YES						}								1	1
4-Chlorophenyl phenyl elher	339		ug/Kg	U	YES	1				1	}	 	ĺ						1	1
4-Nihoaniline	339		ug/Kg	U	YES					1			1				l .			1
4-Nitrophenol	339		ug/Kg	U	YES	1	1				i				1				ĺ	1
Acenaphthene	339		ug/Kg	U	YES	i	1				i		1		1					1
Acenaphthylene	339		ug/Kg	U	YES	i	l	1			 		l							1
Anthracene	339		ug/Kg	U	YEC	İ	<u>.</u>			 	 Į	<i>.</i>								1
Benzo(a)anthracene	339		ug/Kg	υ	YES		1	······			······				 					1
Senzo(a)pyrene	339		ug/Kg	U	YES		···· i						[1	1
Benzo(b)fluoranthene	339		ug/Kg	U	YES			·· · · ·		·	1		1		l		1		l	

Project Number and Name:

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Library Used: CampCarroll

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^{*} Overall result qualitier 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: E11-148-S3

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date: 07/17/2011 Lab Sample ID: 31101889024 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :							Uhh		. Dy I	Date :										
Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overali Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CV/
Analysis Method : 8270D					Diluti	on: 1														
Benzo(g,h,i)perylene	339		ug/Kg	Ų	YES	:			1	1	ı	200	1	ĺ					1	
Benzo(k)fluoranthene	339		ug/Kg	Ų	YES					1	1		ì					1	1	
Bis(2-Chioroethoxy)methane	339		ug/Kg	υ	YES				1	1)		1		1				1	1
Bis(2-Chloroethyl)ether	339		ug/Kg	υ	YES						}			1						1
Bis(2-Chloroisopropyl)elher	339		ug/Kg	U	YES]	l					1
Bis(2-Ethylhexyl)phlhalate	339		ug/Kg	U	YES					1		1								1
Butyl benzyl phthalate	339		ug/Kg	U	YES				1	1		1	1	ĺ						
Chrysene	339	,	ug/Kg	U	YES				1	l		}							1]
Dibenz(a,h)anthracene	339		ug/Kg	U	YES					 										1
Dibenzofuran	339		ug/Kg	U	YES						!								1	}
Diethyl phthalate	339		ug/Kg	U	YES		I				 				1					
Dimethyl phthalate	339		ug/Kg	U	YES						ļ	}		1						i i
Di-n-butyl phthalate	339		ug/Kg	υ	YES			i	· · · · · · · · · · · · · · · · · · ·		}	[1						 	Ī
Di-n-octyl phthalate	339		ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·				}	,]				 	
Fluoranthene	339		ug/Kg	U	YES							i			1				 	1
Fluorene	339		ug/Kg	U	YES							1							1	1
Hexachlorobenzene	339		ug/Kg	υ	YES							1	1						1	1
Hexachlorobuladiene	339		ug/Kg	υ	YES						1						-		1	1
Hexachtorocyctopenladiene	339		ug/Kg	U	YES	ļ	1				[1		1	
Hexachloroelhane	339		ug/Kg	u	YES						i						ì		1	1
Indeno(1,2,3-cd)pyrene	339	!	ug/Kg	U	YES	į	1												1	ļ
Isophorone	339	i	ug/Kg	U	YES							ļ							1	
Naphthalene	330	;	ug/Kg	υ	YEC		1								l					
Nitrobenzene	339		ug/Kg	Ų	YES		1	Ì				[1							ĺ
n-Närosodi-n-propylamine	339		ug/Kg	U	YES	i	····i	j									1			
Pentachlorophenol	339		ug/Kg	U	YES	UJ		1		IJ		 I					1		1	1

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

Library Used: CampCarroll

Report Date: 9/6/2011 09:53 * Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review Page 246 of 288

Client Sample ID : E11-148-S3

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889024

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Тетр	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CCA CA1
Analysis Method: 8270D					Dilutio	on: 1														
Phenanthrene	339	;	ug/Kg	U	YES	:				i										1[
Phenol	339		ug/Kg	U	YES					1							1		1	
Pyrene	339		ug/Kg	υ	YES														1	1 1

Project Number and Name:

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Library Used: CampCarroll

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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 : E11-151-S1

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889025

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Quai*		нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV
Analysis Method : 6010C					Dilutio	n: 1														
Arsenic	5.26		mg/kg		YES	J			[l	j	J	1			W. 12. O. 12	1		1	1
Barium	70.7		mg/kg		YES								l						1	
Cadmium	0.954		mg/kg		YES	Ų			U						1				1	1
Chromium	6.83		mg/kg		YES	J					1	J			1					Ī
Lead	9.47		mg/kg	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	YES	J			i		J	{	1	1						1
Selenium	2.10		mg/kg	U	YES							i	l							
Silver	1.05		mg/kg	U	YES								i							
Analysis Method : 7471B	***************************************				Dilutio	n: 1					*									
Mercury	0.0179		mg/kg	U	YES	į						!			1 1					1
Analysis Method : 8081					Dilutio	n: 1														
4,4'-DDD	1.21		ug/Kg	J	YES		1					i		}						
4,4'-DDD	1.21		ug/Kg	J	YES]				1			
4,4'-DDE	3.51		ug/Kg	J	YES										1					1
4,4'-DDE	3.51		ug/Kg	J	YES]													
4,4'-DDT	10.5	;	ug/Kg		YES	J					J	i						i		
4,4'-DDT	10.5		ug/Kg		YES	J	1			1	J	i								1
Aldrin	10.1		ug/Kg	U	YES					}	-				1	1	-			
Aldrin	10.1		ug/Kg	U	YES															1
alpha-BHC	10.1		ug/Kg	U	YES															1
alpha-BHC	10 1		ug/Kg	U [YES				Ì	1							į			
alpha-Chlordane	10.1		ug/Kg	U	'i'ES	1	1		1	· · · · · · · · · · · · · · · · · · ·						1	1			
alpha-Chlordane	10.1		ug/Kg	U	YES		1					1	}	i						
bela-RHC	10 1	·	ug/Kg	u j	YES		l	1					1					·····		
beta-BHC	10.1		ug/Kg	U	YES	į		1			· · · · · · · · · · · · · · · · · · ·					1		I		
Chlordane	33.8		ug/Kg	U	YES				1			i		i	,	i	1	1		
Chlordane	33.8	:	ug/Kg	U	YES		ĺ		1	ĺ		1				1	1	i		
delta-BHC	10,1		ug/Kg	U	YES :	i	i	1		· · · · · · · · · · · · · · · · · · ·	ì	Ì		 		i	1	ا ا		

Project Number and Name:

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

Library Used: CampCarroll

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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

Client Sample ID : E11-151-S1 Sample Date : 07/17/2011 Lab Report Batch: 31101889

Analysis Type: RES

Lab ID : SGSW

Sample Matrix: SO

Lab Sample ID: 31101889025

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quat		Overall Quai*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV CCV
Analysis Method : 8081					Dilutio	on: 1										,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
della-BHC	10.1		ug/Kg	U	YES						1	İ	1		1	l				1
Dieldrin	10.1		ug/Kg	U	YES				1		1		l	j					1	1
Dieldrin	10.1		ug/Kg	U	YES]				1	1	1	1	<u> </u>				J	ļ
Endosulfan I	10.1		ug/Kg	U	YES	i i						l			<u> </u>					l
Endosulfan I	10.1		ид/Кд	U	YES	1						l	ĺ			i				
Endosulfan II	10.1		ug/Kg	υ	YES	į			<u> </u>	l		l	l		<u> </u>	<u> </u>			<u> </u>	1 1
Endosulfan II	10.1		ug/Kg	Ų	YES	f	I			1	<u> </u>		1		<u> </u>	Ì			<u> </u>]
Endosulfan sulfate	10.1		ug/Kg	U	YES	i			<u> </u>		ļ	<u> </u>	1		1				<u> </u>	1
Endosulfan sulfate	10.1		ug/Kg	U	YES		I		l		Į	!	<u> </u>		l	Í	<u> </u>		<u> </u>	1
Endrin	10.1		ug/Kg	U	YES				l		1	İ	1	l	1				<u> </u>	<u> </u>
Endrin	10.1		ид/Кд	U	YES				l	<u> </u>	<u>L</u>		l	l					<u> </u>	<u> </u>
Endrin aldehyde	10.1		ug/Kg	υ	YES	Ì	1				<u> </u>								!	
Endrin aldehyde	10.1		ug/Kg	U	YES		I									[1	1 1
Endrin kelone	10.1		ug/Kg	U	YES						<u> </u>				<u> </u>				1	<u> </u>
Endrin ketone	10.1		ug/Kg	U	YES	1													1	
gamma-BHC (Lindane)	10.1		ug/Kg	U	YES				İ		(j		J	
gamma-BHC (Lindane)	10.1		ug/Kg	υ	YES	1													l	
gamma-Chlordane	10.1		ug/Kg	U	YES						l						;		1	
gamma-Chlordane	10.1	;	ug/Kg	U	YES	1	1													1
l (eptachlor	10.1		ug/Kg	U	YES												i			
Heptachlor	10.1	į	ug/Kg	U	YES		ļ													
Heptachior epoxide	10.1		ug/Kg	U	YES)								l	
Heptachler apoxido	10.1		ug/Kg	U	YES										<u> </u>				l	
Methoxychlor	10.1	1	ug/Kg	U ;	YES												-			
Methoxychlor	10.1	i	ug/Kg	U ;	YES]										,		i
Toxaphene	33.8	;	ug/Kg	U	YES	1	1			1										1

Project Number and Name:

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

Library Used: CampCarroll

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Report Date: 9/6/2011 09:53

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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 : E11-151-S1 Sample Date : 07/17/2011

Lab Report Batch: 31101889

Analysis Type: RES

Lab ID: SGSW

Sample Matrix: SO

Lab Sample ID: 31101889025

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Reviewed By / Date :

Approved By / Date :

Result	Uncertainty / Error	Result Units	Lab Qual				нт	мв	LCS	мѕ	Lab Dup	Surr	Rep Limit			Tune	IC	icv	CCV
				Diluti	on:1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		-,					.,						
33.8		ug/Kg	U	YES	:			1				l	1	l i				1	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Difuti	on: 1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,,,,,		,,,,,,,,,									
0.0165		mg/kg	บ	YES		1			1		İ	1	[1					1
0.0165		mg/kg	U	YES		}			i 1			1							1
0.0165		mg/kg	U	YES	;		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					1	1			[1
0.0165		mg/kg	υ	YES		1		1					1	1					1
0.0165		mg/kg	υ	YES				1	1 1			1						1	1
				Dilutio	on: 1														
4.34		ug/Kg	U	YES	UJ	1				UJ								1	
4.34		ug/Kg	U	YES	UJ					υJ									1
4.34		ug/Kg	U	YES	υJ					UJ								[1
4.34		ug/Kg	U	YES	กา]				UJ				1	1				
4,34		ug/Kg	U ;	YES	UJ	1				IJ									
4.34	i	ug/Kg	U	YES	UJ					UJ]				[i	1		1	1
4.34		ug/Kg	υ	YES	UJ	1				UJ				1	l	1			1
4.34		ug/Kg	U	YES	UJ	1				ŲJ					1	}			
4.34		ug/Kg	ម	YES	IJ	1				UJ					i				
4.34		ug/Kg	U	YES	UJ					UJ	*	i							
1.34		ug/Kg	U	YES	υJ				1	υJ		i i]					
26.0		ug/Kg	υ	YES	υJ	ļ	· · · · · · · · · · · · · · · · · · ·		1	UJ		i i		1		1			
4.34	······	ug/Kg	U	YES	ΠJ	1				UJ					1	1			
4.34		ug/Kg	U	YES	IJ	1				UJ				ı	1	,			i
4 34		ug/Kg	u	YES	EJ.J	I				UJ				i i	I				i .
4.34	······	па/Ка	Ü	YES	UJ		1			IJ		i i			Ì	1			
4,34		ug/Kg	Ų	YES	υJ					UJ]				
4.34		ug/Kg	U	YES	UJ	ı		· · · · · · · · ·	i	UJ					i	ì			1
4.34		ug/Kg	· · · · ·	YES	UJ	i		· · · · · · · · · · · · · · · · · · ·	i	UJ					ì	······			i
	Result 33.8 0.0165 0.0165 0.0165 0.0165 4.34 4.34 4.34 4.34 4.34 4.34 4.34 4.	Result Error 33.8 0.0165 0.0165 0.0165 0.0165 0.0165 4.34 4.34 4.34 4.34 4.34 4.34 4.34 4.	Result Error Units	Result Error Units Qual	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit	Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit Tot/Dis	Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit Tot/Dis QC Dilution: 1	Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit ToUDIS QC Tune	Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit Tot/Dis QC Tune IC	Result

Project Number and Name:

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

Library Used: CampCarroll

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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: E11-151-S1

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889025

Reviewed By / Date:

Approved By / Date :

Analyte Namo	Result	Uncertainty / Error	Result Units	t.ab Qual		Overall Quai*		нт	MB	LCS	MS	Lab Dup	Surr		Moist ToVDis		Tune	IC	ICV	CCV
Analysis Method : 8260B					Dilutio	ភ: 1														
1,4-Dichlorobenzene	4,34		ug/Kg	U	YES	IJ					UJ				1 1		I	*******	1	Ī
2,2-Dichloropropane	4.34		ug/Kg	U	YES	UJ	1				IJ	i			1				1	I
2-Butanone	21.7		ug/Kg	U	YES	ΠJ					ເນ									
2-Chlorololuene	4.34		ug/Kg	υ	YES	ΠJ			l		UJ		 							
2-Нехаполе	10.8		ug/Kg	U	YES	UJ					UJ									
4-Chlorotoluene	4.34		ug/Kg	U	YES	UJ				1	UJ						[
4-Isopropylloluene	4.34		ug/Kg	U	YES	IJ					UJ									
4-Methyl-2-pentanone	10.8		ug/Kg	U	YES	UJ	1				IJ				1		İ		1	1
Acetone	7,46		ug/Kg	J	YES	J					J				1				 	
Benzene	4,34	,,,,	ид/Кд	U	YES	UJ	1				υJ				1 [
Bromobenzene	4.34		ug/Kg	U	YES	IJ					UJ				l i				 	}
Bromochloromelhane	4.34		ug/Kg	U	YES	UJ					UJ				[Í			
Bromodichloromethane	4.34		ug/Kg	U	YES	IJ	1				IJ				1			******	1	1
Bromoform	4.34		ид/Ко	υ	YES	IJ	1				UJ				1					
Bromomelhane	4,34		ug/Kg	U	YES	ŧIJ					UJ				1		i	_,,,,,,,,		
Carbon disulfide	4,34		ug/Kg	U	YES	IJ	1			เม	UJ				1		1			
Carbon tetrachloride	4.34		ug/Kg	U	YES	IJ	1			1	UJ		}				į			1
Chlorobenzene	4.34		ug/Kg	U	YES	ŲJ	- 1				UJ				1		1			1
Chioroethane	4.34		ug/Kg	υ	YES	UJ		i		1	υJ		1				1			í
Chloroform	4.34	:	ug/Kg	U	YES	UJ		1			UJ				1		i			1
Chloromethane	4.34		ug/Kg	U	YES	UJ		1		I	UJ									1
cis-1,2-Dichtoroethene	4.34		ug/Kg	U	YES	UJ	1				UJ						1			1
cls-1,3-Dichloropropene	4,34	İ	ug/Kg	U	YES	UJ		1		1	UJ	I					1			1
Dibromochloromethane	4.34		ug/Kg	υ	YES	UJ	1	1		1	רח	1	1							1
Dibromomethane	4.34		ug/Kg	บ	YES :	UJ		ı	 		เก	1							ı	
Dichlorodifluoromethane	4.34		ug/Kg	U	YES	IJ	i	1			UJ						i			i

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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: E11-151-S1

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011 Lab Sample ID: 31101889025 Analysis Type: RES

Sample Matrix: SO

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep	Moist Tot/Dis		Tune	ic	icv	CCV
Analysis Method : 8260B	neoun	L1101		Quai	Dilutio		1011112					Dup		Liller	100010		Tune			
Ethyl Benzene	: 4,34	:	ug/Kg	υ	YES			•••••••••••			. UJ	}		i	1		1		1	1
Hexachlorobutadiene	4.34	. (ug/Kg	U	YES	ยู่			 1	! [i UJ	 	 	! 	:i		!	' 		!
Isopropylbenzene (Cumene)	4.34	·{/	ug/Kg	U	YES	UJ			1	/ 	UJ	 	 	! 	!! 	! 	!i	\ 	J 	!
m,p-Xyfene	8.68		ид/Кд	U	YES				: 	: 	 }	.: 	<u>.</u> I	/ 	i i	! 	'' 		<u>.</u> 	:
Methyl iodide	4.34	:	ug/Kg	U	YES	UJ			I	UJ	່ເນ		: 	: }	i	,			! 	i
Methylene chloride	2,13		ug/Kg	J	YES	J	!		/, 	/ 	j	 (! 	;, }	ii		! 		! 	1
Naphthalene	4.34	{}	ug/Kg	U	YES	UJ			 	 	UJ]	: I	(ii		'' 		 I	i
n-Butylbenzene	4.34		υg/Kg	U	YES	UJ	<u>'</u>		` I	<u></u>	UJ	 	: 	! 	i i		`i	• • • • • • • • • • • • • • • • • • • •	<u>.</u>	!
n-Propylbenzene	4.34		ug/Kg	U	YES:	IJ	i		: 	¦	UJ	 	۱ ا	: 	i i		!i		<u></u>	¦
o-Xylene	4.34	i	ug/Kg	U	YES	UJ			: 	: 	UJ	<u></u>	: 	: {	ii		:i		: 	:
sec-Butylbenzene	4.34	i	ug/Kg	U	YES	UJ	i		' 	: 	UJ	i	: 		:i		!		 1	!
Styrene	4.34		ug/Kg	U	YES	UJ	······i		'	' [i	i	: [1		i I	i
tert-Butyl methyl ether (MTBE)	4.34	<u> </u>	ug/Kg	υ	YES	UJ					UJ		:		ii				: 	:
tert-Butylbenzene	4.34	[i	ug/Kg	U	YES	UJ					······	i			: 	• • • • • • • • • • • • • • • • • • • •	ii			:
Telrachloroelhene	4.34		ив/Ка	U	YES	UJ					UJ	`` 							 	i
Toluene	3.79		ид/Кд	J	YES	J	·i				J	: 			i				i	i
trans-1,2-Dichloroethene	4.34		ug/Kg	U	YES	UJ					UJ	:								i
trans-1,3-Dichloropropene	4.34		ug/Kg	บ	YES	υJ	i				IJ	:			i				 	i
trans-1,4-Dichloro-2-butene	21.7		ug/Kg	U	YES							1			l		1		i	1
Trichlaroelhene	4,34		ug/Kg	U	YEε	UJ	·····i				UJ									i
Trichlorofluoromelhane	4,34		ug/Kg	U	YES	LU				I	UJ		i		i					i
Vinyl chloride	4,34		ug/Kg	U	YES	UJ				·····	UJ		· · · · · · ·		l		·····			1
Analysis Mothod : 8270D					Dilutio	n: 1								:						
1,2,4-Trichlorobenzene	337		ug/Kg	U	YES												-			
1,2-Dichlorobenzene	337		ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·		1	ii				1			1
1,3-Dichlorobenzene	337		ug/Kg	υ	YES		1						1			·····	· · · · · · · · · · · · · · · · · · ·			1
1,4-Dichlorobenzene	337	:	ug/Kg	U ;	YES :			1	1	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

Client Sample ID: E11-151-S1

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889025

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overali Quai*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV
Analysis Method : 8270D					Diluti	on: 1										· · · · · · · · · · · · · · · ·				
2,4,5-Trichlorophenol	337		ug/Kg	υ	YES	:			1					ı	1		1			
2,4,6-Trichlorophenol	337		ид/Кд	U	YES										1				1	
2,4-Dichlorophenol	337		ug/Kg	U	YES	: 1	1			1	ì	Į.			1				1	1
2,4-Dimethylphenol	337		ид/Кд	U	YES	: 1					}	1	1	,]	1
2,4-Dinitrotoluene	337		ug/Kg	U	YES							ļ								l
2,6-Dinitrotoluene	337		ug/Kg	U	YES															l
2-Chloronaphthalene	337		ug/Kg	υ	YES										1				1	
2-Chlorophenol	337		ug/Kg	U	YES					l										[
2-Melhylnaphthalene	337		ив/Ка	U	YES					1	1								1	
2-Methylphenol	337	!	ug/Kg	U	YES]				1	}		İ							
2-Nitroaniline	337		ug/Kg	Ų	YES						1	1								1
2-Nitrophenol	337		ug/Kg	ี ช	YES	<u> </u>	· · · · · · · · ·					 	ĺ						Ī	1
3 and/or 4-Methylphenol	337		ug/Kg	U	YES		1			i	ļ									1
3-Nitroaniline	337		ug/Kg	U	YES														1	
4-Bromophenyl phenyl ether	337		ug/Kg	U	YES	[1
4-Chioro-3-methylphenol	337		ug/Kg	ប	YES		1													1
4-Chloroaniline	337		ид/Кд	ប	YES			· · · · · · · · · · · · · · · · · · ·												1
4-Chlorophenyl phenyl ether	337		ид/Кд	U	YES]		ļ i		}					f
4-Nitroanline	337		ug/Kg	Ų	YES]												
4-Nitrophenol	337		ug/Kÿ	V	YES	· · · · · · · · · · · · · · · · · · ·		1								I				1
Acenaphthene	337		ug/Kg	υ	YES		1	1							!				1	1
Acenaphthylene	337		ug/Kg	U	YES	1							1							
Antinacene	337	i	ид/Кд	U	YEG	1		Ì								 				
Benzo(a)anthracene	337		ug/Kg	U	YES		i		i							· · · · · · · · · · · · · · · · · · ·	Ì		[[
Benzo(a)pyrene	337		ug/Kg	υ	YES	i	i	·····	i								······			
Senzo(b)fluoranthene	337		ug/Kg	U	YES								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

Client Sample ID: E11-151-S1

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889025

Reviewed By / Date:

Approved By / Date :

Analyte Name	l Result	Incertainty / Error	Result Units	Lab Qual		Overali Qual*		нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ıcv	CCA CA1
Analysis Method : 8270D					Dilutio	on: 1														
Benzo(g,h,i)perylene	337		ug/Kg	U	YES		- 1				}						l		J	<u> </u>
Benzo(k)fluoranthene	337		ug/Kg	U	YES	,					ĺ.]	l
Bis(2-Chloroethoxy)methane	337		ид/Кд	U	YES					1							1			1
Bis(2-Chloroethyl)ether	337		ug/Kg	U	YES			.,											1	1
Bis(2-Chloroisopropyl)ether	337		ug/Kg	U	YES							[1	
Bis(2-Ethylhexyl)phthalate	337		ug/Kg	U	YES												1			
Butyl benzyl phthalate	337		ug/Kg	U	YES					1							[l	
Chrysene	337		ug/Kg	U	YES		1								1				1	
Dibenz(a,h)anthracene	337		ug/Kg	U	YES		1				1									1
Dibenzofuran	337		ug/Kg	U	YES		1				ļ									
Diethyl phthalate	337		ug/Kg	U	YES	1					1									
Dimethyl phthalate	337		ug/Kg	U	YES		ĺ													1
Di-n-butyl phthalate	337		ug/Kg	U	YES		1						ı					.,,,,,,,		
Di-n-octyl phthalate	337	;	ug/Kg	U	YES	į	1													
Fluoranthene	337		ug/Kg	V	YES															
Fluorene	337		ug/Kg	U	YES		1													
Hexachlorobenzene	337		ug/Kg	U	YES															1
Hexachlorobuladiene	337		ug/Kg	U	YES							l	1						f	1
Hexachlorocyclopentadiene	337		ug/Kg	U	YES	i	· · · · · · · · · · · · · · · · · · ·						1				į			1
Hexachioroethane	337		ug/Kg	U	YES:	į	1						1				}			ĺ
Indeno(1,2,3-cd)pyrene	337		ug/Kg	U	YES	,									1	1	[1	í
Isophorone	337		ug/Kg	U	YES		1								}					i
Naphthalene	337	1	ug/Kg	υ	YEO														1	İ
Nitrobenzene	337		ug/Kg	U	YES				1			Ī							1	
n-Nărosodi-n-propylamine	337		ug/Kg	U	YES		1					1	1							1
Pentachlorophenol	337	···· ··· ·· · · · · · · · · · · · · ·	ug/Kg	U :	YES:	UJ				UJ		1	1		l		I			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

Client Sample ID : E11-151-S1

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889025

Reviewed By / Date :

Approved By / Date :

Analyte Name	Resuit	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	CCV CCV
Analysis Method : 8270D					Diluti								,							
Phenanthrene	337	:	ug/Kg	ប	YES	<u> </u>		l	l	J	<u> </u>	İ					<u> </u>		l	1
Phenol	337	:	ug/Kg	U	YES			1		I	1									
Pyrene	337		ug/Kg	U	YES			1		1	Į									

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Client Sample ID: E11-151-S2 Sample Date : 07/17/2011

Lab Report Batch: 31101889

Analysis Type: RES

Lab ID: SGSW

Sample Matrix: SO

Lab Sample ID: 31101889026

Reviewed By / Date :							App	roved	i By /	Date:	:									
Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	НT	WB	LCS	мѕ	Lab Dup	Surr	Rep Limit	Moist Tol/Dis		Tune	ic	icv	CCV
Analysis Method : 6010C		ar a consecutive and a consecutive of all all and	, .,	,	Diluti	on: 1	,			,,	.,									
Arsenic	4.83	;	mg/kg		YES					1	ĺ				1				1	T
Barium	79.8		mg/kg		YES				[1				1						1
Cadmium	1.23		mg/kg		YES	IJ			U]	1		}			l		1	1
Chromium	4.35	;	mg/kg		YES	:			1			1					1			1
Lead	14.4		mg/kg		YES					1	1		1				1			1
Selenium	1.94		mg/kg	U	YES				1		}				1		1			
Silver	0.972		mg/kg	U	YES					ĺ			l]			
Analysis Method : 7471B					Dituti	on: 1			*******	.,,										*****
Mercury	0.0186		mg/kg	U	YES		-			1				l					1	1
Analysis Method : 8081					Diluti	on: 1														
4,4'-DDD	0.706		ug/Kg	JР	YES	: 1						ì		}	[]				1	1
4,4'-DDD	0.706		ug/Kg	JP	YES					1	ļ		l		1 1				l	J
4,4'-DDE	2.29	i	ug/Kg	JP	YES				}						1 [1
4,4'-DDE	2.29		ug/Kg	JP	YES	1	1			Ì			1		l i		}			1
4,4'-DDT	9.53		ug/Kg	J	YES	UJ	I		υ		J				l l					l
4,4'-DDT	9.53	į	ug/Kg	j	YES	UJ			υ	l	J									1
Aldrin	10.7		ug/Kg	U	YES										1					
Aldrin	10.7		ug/Kg	U	YES		<u>-</u>								3					-
alpha BHC	10.7		ug/Kg	υ	YES		1								i i				l	
aipha-BHC	10.7	:	ug/Kg	υ	YES	1				1										1
aipna-Chiordane	10.7	:	ug/Kg	U	YES	1	 I													1
alpha-Chlordane	10.7		ug/Kg	U	YES	ì									1		}			1
bela-RHC	10.7		по/Ко	U.	YFS	i						*******			1					1
bela-BHC	10.7		ug/Kg	U	YES		1		******		,				i					
Chlordane	35.6		ug/Kg	U	YES		i									.,				[
Chlordane	35.6		ug/Kg	U	YES	1	· · · · · · i	······												
delta-BHC	10,7		ug/Kg	υ ;	YES	:i 1	·i	<u>.</u>						i	i	i				1

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Client Sample ID: E11-151-S2 Sample Date: 07/17/2011

Lab Report Batch: 31101889

Analysis Type: RES

Lab ID : SGSW

Sample Matrix: SO

Lab Sample ID: 31101889026

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	Surr		Moist Tot/Dis		Tune	IC	1CV	CCA
Analysis Method : 8081					Diluti	on: 1														
delta-BHC	10.7	:	ug/Kg	U	YES		1 1				İ		1]]				1	
Dieldrin	10.7		ug/Kg	U	YES		1								1		1 1]	
Diefdrin	10.7		ug/Kg	U	YES						i		1	}						1
Endosulfan i	10.7		ug/Kg	U	YES								1							1
Endosulfan i	10.7		ug/Kg	υ	YES	:	i i						1						[1
Endosulfan II	10.7		ug/Kg	U	YES	:							 		[i					
Endosulfan II	10.7		ug/Kg	U	YES								 		1		}			1
Endosulfan sulfate	10.7		ug/Kg	ย	YES		1					<i>-</i>								l
Endosulfan sulfate	10.7		ug/Kg	U	YES		1					 								ĺ
Endrin	10.7		ug/Kg	U	YES															I
Endrin	10.7		ug/Kg	U	YES															
Endrin aldehyde	10.7		ug/Kg	U	YES]													
Endrin aldehyde	10.7		ид/Кд	U	YES		1								1		1			
Endrin ketone	10.7		ug/Kg	U	YES		1										ſ			
Endrin ketone	10.7		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.7		ug/Kg	U	YES						1									[
gamma-BHC (Lindane)	10.7		ug/Kg	U	YES		ĺ													[
gamma-Chlordane	10.7		ug/Kg	U	YES															1
gamma-Chlordane	10.7		ug/Kg	υ	YEC						i						}			1
Haplachlor	10.7		ug/Kg	U	YES		1		· · · · · · · ·				i				1			1
Heplachlor	10.7	i	ug/Kg	ป	YES		ı			i	· · · · · · · · · · · · · · · · · · ·			:						1
Heplachlor epoxide	10.7		ug/Kg	U	YES	1			1	i]	1	ĺ							1
Hoptachlor epoxide	10,7	:	ug/Kg	U	YES	1			I	4	1	1								1
Methoxychlor	10.7		ug/Kg	U	YES							Ī	i							
Methoxychlor	10.7		ug/Kg	U	YES	i	····i					·····					1			
Toxaphene	35.6	····	ug/Kg	U	YES	i	1	· · · · · · · · · · · · · · · · · · ·	í				ii					, . ,		1

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Client Sample ID: E11-151-S2

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011 Lab Sample ID: 31101889026 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overal Qual*	i Yemp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CCV
Analysis Method : 8081					Dilutio	on: 1						,								
Toxaphene	35.6		ug/Kg	U	YES							1	1	l	1				1	1
Analysis Method : 8151					Dilutio	n: 1							,,							
2,4,5-T	0.0175		mg/kg	υ	YES		i	1					1	İ]				<u> </u>	<u> </u>
2,4,5-TP (Silvex)	0.0175		mg/kg	U	YES				l			1		l					<u> </u>	<u> </u>
2,4'-D	0.0175		mg/kg	U	YES		1			1			-						<u> </u>	
2,4-DB	0.0175		mg/kg	U	YES		1			1		1	ĺ							l
Dicamba	0.0175	;	mg/kg	υ	YES		1					-					[]		J	1
Analysis Method : 8260B					Dilutio	on: 1														
1,1,1,2-Tetrachloroelhane	4.17	}	ug/Kg	U	YES	UJ	1	l	l	1	UJ		1		1				<u> </u>	<u> </u>
1,1,1-Trichloroethane	4.17		ug/Kg	U	YES	ียป					ΩĴ		1	ł			l i		1	ļ
1,1,2,2-Tetrachloroethane	4.17	İ	ug/Kg	υ	YES	ยม					UJ		1	1] []
1,1,2-Trichloroethane	4.17		ug/Kg	U	YES	UJ					UJ	1					1		1	l
1,1-Dichloroethane	4.17		ug/Kg	υ	YES	UJ	ì				UJ	,							l	
1,1-Dichloroelhene	4,17		ug/Kg	υ	YES	IJ	1				υJ]				<u> </u>	1
1,1-Dichloropropene	4.17	1	ug/Kg	U	YES	IJ					IJ								<u> </u>	<u> </u>
1,2,3-Trichlorobenzene	4.17		ug/Kg	U	YES	UJ				ı	ພູ			1	1				1	
1,2,3-Trichloropropane	4.17	;	ug/Kg	U	YES	ÜJ					UJ		ĺ	1			1		<u> </u>	1
1,2,4-Trichlorobenzene	4.17	;	ug/Kg	U	YES	IJ	i				UJ			}]	
1,2,4-Trimethylbenzene	4.17	[ug/Kg	U	YES	ŲJ	1				UJ									
1,2-Dibromo-3-chlorepropane	25.0		ug/Kg	U	YES	Π'n	1				UJ]			1					
1,2-Dibromoethane	4.17		ug/Kg	U	YES	Λ'n	}				UJ			İ	1					1
1,2-Dichlorobenzene	4.17		ug/Kg	Ú	YES	ΩĴ					UJ		1						1	
1,2-Dichloroethano	4.17		ug/Kg	U	YES	IJ					נט		l							1
1,2-Dichloropropane	4.17	i	ug/Kg	U	YES	UJ					ΩJ		1		1				1	1
1,3,5-Trimethylbenzene	4.17		ug/Kg	U	YES	IJ					UJ	1			1 :					1
1,3-Dichlorobenzene	4.17		ug/Kg	υ	YES	UJ				1	ŲJ		l		1 1					
1,3-Dichloropropane	4.17	1	ug/Kg	U	YES	UJ	1				ŲJ	1			1				l	

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

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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 feview.

Client Sample ID : E11-151-S2 Sample Date : 07/17/2011 Lab Report Batch: 31101889

Analysis Type: RES

Lab ID : SGSW

Sample Matrix: SO

Lab Sample ID: 31101889026

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV
Analysis Method : 8260B					Dilutio	n: 1														
1.4-Dichlorobenzene	4.17		ug/Kg	u	YES	ŲĴ				1	เกา	ĺ							1	
2,2-Dichloropropane	4.17		ug/Kg	U	YES	UJ		,			ប្ប				l i				1	İ '
2-Butanone	10.3		ug/Kg	J	YES	J	I				J		J		l 1					
2-Chiorotoluene	4.17		ug/Kg	υ	YES	UJ	I				UJ	l			1 1					
2-Hexanone	10.4		ug/Kg	U	YES	ΩJ					UJ		l							
4-Chlorotoluene	4.17		ug/Kg	U	YES	Π٦					UJ	}	1		<u> </u>				<u> </u>	l.,'
4-Isopropyltoluene	4.17		ug/Kg	U	YES	UJ					ŊĴ								l .	
4-Methyl-2-pentanone	10.4		ug/Kg	U	YES	UJ				1	υJ								Į	
Acetone	33.8		ug/Kg	J	YES	J					J		J						1	
Benzene	4.17		ug/Kg	υ	YES	บม					ມ				1				1	1
Bromobenzene	4.17		ug/Kg	บ	YES	UJ	١				UJ				<u> </u>		1		1	1
Bromochloromethane	4.17		ид/Кр	U	YES	ΠŊ					UJ				1		ſ			
Bromodichloromethane	4,17		ug/Kg	U	YES	IJ					IJ								1	
Bromoform	4.17		ug/Kg	U	YES	IJ	1			İ	UJ						<u>.</u>			
Bromomelhane	4.17)	ug/Kg	U	YES	UJ					UJ						1			
Carbon disulfide	4.17	į	ug/Kg	U	YES	UJ			l	เม	UJ				l		1			<u>.</u>
Carbon telrachloride	4.17	1	ug/Kg	U	YES	IJ					ŲJ						1		l	
Chlorobenzene	4.17	i	ug/Kg	U	YES	UJ	1	1	-		UJ		j				İ		1	, j
Chloroethane	4.17		ug/Kg	U	YE3	กา		1	l		UJ						j			ı J
Chiaroform	4.17	ì	ug/Kg	U	YE8	UJ		1			UJ									
Chloromethane	4.17	;	ug/Kg	U	YES	UJ	1	1		J	UJ		}				J			
cis-1,2-Dichloroethene	4.17	j	ид/Кд	U	YES	UJ	I	I			UJ	1	i							
cia-1,3-Diohloropropena	4.17		ug/Kg	U	YES	UJ		I			UJ .						l			
Dibromochloromethane	4.17	}	ug/Kg	υ	YES	UJ				}	ŲĴ						1			
Dibromomelhane	4.17	:	ug/Kg	υ	YES	UJ		1			Ų	i i	i		!		ì			
Dichlorodifluoromethane	4.17		ug/Kg	U	YES	UJ	1	1	1		IJ	1		,	i		1			. 1

Project Number and Name:

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Library Used: CampCarroll

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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: E11-151-S2

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889026

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	iC	ICV	CCV
Analysis Method : 8260B		* ***			Dilutio	n: 1														***************************************
Ethyl Benzene	4.17		ug/Kg	U	YES	IJ					UJ)			}		1		1	ī
Hexachlorobutadiene	4.17		ug/Kg	υ	YES	UJ			j		UJ	1							1	
Isopropylbenzene (Cumene)	4.17	,	ug/Kg	Ü	YES	רח					UJ									I
m,p-Xylene	8.35		ug/Kg	U	YES		1		[[, , .		I
Methyl iodide	4.17		ug/Kg	U	YES	บป				UJ	ເນ	1								Ī
Methylene chloride	16.7		ug/Kg	U	YES	เก					UJ	1			[1			
Naphthalene	4.17		ug/Kg	υ	YES	បរ]				UJ)		(i				1	
n-Bulylbenzene	4.17	;	ug/Kg	U	YES	UJ	1			l	UJ					**				
n-Propylbenzene	4.17		ug/Kg	U	YES	UJ	1				ŲJ					******				
o-Xylene	4.17		ug/Kg	U	YES	ŊĴ) UJ					*				
sec-Bulylbenzene	4.17		ug/Kg	U	YES	IJ					UJ	!								1
Styrene	4.17		ug/Kg	ช	YES	UJ					UJ	1					1			
tert-Butyl methyl ether (MTBE)	4.17	i	ug/Kg	U	YES	ÚJ	Ĩ				บม								1	
tert-Bulylbenzene	4.17	ļ	ug/Kg	υ	YES	UJ					UJ	1								
Tetrachloroethene	4.17		ug/Kg	ម	YES :	UJ					UJ	1			!				1	
Toluene	6.59		ug/Kg		YES	J	- 1				J		J				1			
trans-1,2-Dichloroethene	4.17	:	ug/Kg	U	YES	UJ	- 1			1	IJ						}			
trans-1,3-Dichloropropene	4.17	;	ug/Kg	υ	YES	กา	- 1				UJ									
trans-1,4-Dichlom-2-hidene	20.9		ug/Kg	U }	YES		1				Í								Í	1
Trichloraethene	4.17	1	ид/Кд	u į	YES	ΠΊ	1	1			U.J	1 1	1		Į					1
Trichkoofboromethane	4.17	}	uy/Ky	U	YES	UJ	1	1			UJ	[]	1		ì		1			1
Vinyl chloride	4.17	:	ug/Kg	U	YES	IJ į	ı	1			UJ			ļ	i		1			
Analysis Method : 8270D					Dilutio	n: 1														
1,2,4-Trichlorobenzene	351		ug/Kg	υ	YES }															
1,2-Dichtorobenzene	351		ug/Kg	Ų	YES			. 1				<u> </u>	1	ı						1
1,3-Dichlorobenzene	351		ug/Kg	v	YES				ı						1	Į	1			i
1,4-Dichlorobenzene	351		ug/Kg	v	YES		I		1					1		1	1			

Project Number and Name:

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Library Used:

Report Date: 9/6/2011 09:53

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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 : E11-151-S2

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889026

Eup Gumple ibtot to toos

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overati Qual*		нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Maist Tot/Dis	Field QC	Tune	IC	icv	CCA CA1
Analysis Method : 8270D					Dilutio	on: 1	*********				-2-2-92 00-0-10-0		***********	//						
2,4,5-Trichlorophenol	351	1	ug/Kg	U	YES				Ī		1		f						1	
2,4,6-Trichlorophenol	351		ug/Kg	U	YES				1	1	}		1]	l
2,4-Dichlorophenol	351		ug/Kg	U	YES									1						1
2,4-Dimethylphenol	351		ug/Kg	U	YES						i I				l					1
2,4-Dinitrotoluene	351		ug/Kg	U	YES						i			Ì						
2,6-Dinitrotoluene	351		ug/Kg	U	YES												3		1	l
2-Chloronaphthalene	351		ug/Kg	U	YES								1							1
2-Chlorophenol	351		ug/Kg	U	YES				1]				1	
2-Methylnaphthalene	351		ug/Kg	υ	YES															
2-Methylphenol	351		ug/Kg	υ	YES															1
2-Nitroaniline	351		ug/Kg	U	YES											.,,,,,,,		.,		
2-Nitrophenol	351		ug/Kg	U	YES						!!						ļ			
3 and/or 4-Methylphenol	351		ug/Kg	U	YES										1				1	
3-Nitroaniline	351		ug/Kg	υ	YES										ĺ		İ			
4-Bromophenyl phenyl ether	351		ug/Kg	บ	YES						ļ						1			
4-Chloro-3-methylphenol	351		ug/Kg	U	YES						1						1			
4-Chtoroaniline	351		ug/Kg	U	YES]						1			
4-Chlorophenyl phenyl ether	351		ug/Kg	U	YES	(í			
4-Nitroanitin s	351	ĺ	ug/Kg	U	YES	j							j							
4-Nitrophenol	351		ug/Kg	н	YES				}		l l		1							
Acenaphthene	351	;	ug/Kg	U	725	ļ	1		1											
Acenaphthylene	351		ug/Kg	U	YES	}	1	J	I		1		}		i	1				
Anthracege	351	i	ug/Kg	Ú	YFS															
Benzo(a)anthracene	351		ug/Kg	U	YES				1						1		1			
Benzo(a)pyrene	351		ug/Kg	υ	YES		1	1				1				I			1	
Benzo(b)fluoranihene	351		ug/Kg	U	YES	1	1	1	1			1	1		i	1	1		1	

Project Number and Name:

ADR 8.2

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Library Used: CampCarroli

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

Client Sample ID : E11-151-S2 Sample Date: 07/17/2011

Lab Report Batch: 31101889

Analysis Type: RES

Lab ID: SGSW

Sample Matrix : SO

Lab Sample ID: 31101889026

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty /	Result Units	Lab Qual		Overati Qual*		нт	мв	LCS	MS	Lab Dup	Surr		Moist Tot/Dis		Tune	ıc	icv	CCV CV/
Analysis Method : 8270D					Dilutio		r													
Benzo(g,h,i)perylene	351		ug/Kg	U	YES					1	}			i	1 1		<u> </u>		1	
Benzo(k)fluoranthene	351		ug/Kg	U	YES		1			1	i				1		1	.,	[1
Bis(2-Chloroethoxy)methane	351		ug/Kg	U	YES									[1		1	
Bis(2-Chloroethyl)ether	351		ug/Kg	υ	YES				[[[•••••			1	1
Bis(2-Chloroisopropyl)ether	351		ug/Kg	U	YES						1									İ
Bis(2-Ethylhexyl)phthalale	351		ug/Kg	U	YES		ĺ								1				[1
Bulyl benzyl phthalate	351		ug/Kg	U	YES		i								1		1		[Ī
Chrysene	351		ug/Kg	U	YES								}		1		1			i
Dibenz(a,h)anthracene	351		ug/Kg	U	YES		l										ĺ			
Dibenzofuran	351		ид/Кд	U	YES		İ				1						li			
Diethyl phthalate	351		ug/Kg	U	YES							ı]
Dimethyl phthalate	351		ug/Kg	ย	YES								[
Di-n-butyl phthalate	351		ид/Кд	U	YES		1					1			1					
Di-n-octyl phthalate	351		ug/Kg	U	YES			اا				i	1		1		i i			[
Fluoranthene	351		ug/Kg	U	YES				i											1
Fluorene	351		ug/Kg	U	YES		I		i			1					1			1
Hexachiorobenzene	351		ug/Kg	U	YES		ï	1	Ì			i					1			İ
Hexachlorobutadiene	351		ug/Kg	υ	YES		1	1				1			l		· · · · · · · · · · · · · · · · · · ·			
l lexachlorocycloponladione	351		ug/Kg	U	YEG								1				i			
Hoxachicroethane	351		ug/Kg	U	YES		i]				Ì	· · · · · · · · · · · · · · · · · · ·		1 1		1			
Indena(1,2,3-cd)pyrene	351		ug/Kg	U	YES	1	1	1	1		I	1	i							1
sophorone	351	:	ug/Kg	ម	YES		1	1	1		i	· · · · i	i			· · · · · · · · · · · · · · · · · · ·	1			1
Vaphthalene	351	}	ид/Кд	U	YES	· · · · · · · · · · · · · · · · · · ·		I	ı			Ī				1				1
Nitrobenzene	351		ug/Kg	U ;	YES	i 	i	ì	I			i	1	<u>.</u>	 	 I) 		i
n-Nitrosodi-n-propylamine	351		ug/Kg	V	YES	· · · · · · · · · · · · · · · · · · ·	i				i	······i)) 	i			1
Pentachlorophenol	351	:	ид/Кд	U	YES	UJ	i.	1		UJ		1	i.	<u>!</u>		·····.	1	/ I		i

Project Number and Name:

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

Library Used: CampCarroll

Report Date: 9/6/2011 09:53

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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

Client Sample ID : E11-151-S2

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889026

Reviewed By / Date :

Approved By / Date :

Analyle Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	НT	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CCA
Analysis Method: 8270D					Diluti	on: 1														
Phenanlhrene	351		ug/Kg	U	YES			l		Jj		1			1 !		1 !		I	
Phenol	351		ug/Kg	U	YES			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	[]					l		1			
Pyrene	351		ug/Kg	υ	YES]					

Project Number and Name:

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

Library Used:

Report Date: 9/6/2011 09:53

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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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Client Sample ID : E11-151-S3 Sample Date: 07/17/2011

Lab Report Batch: 31101889

Analysis Type: RES

Lab ID: SGSW

Lab Sample ID: 31101889027

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overali Qual*		нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist To∜Dis	Fleid QC	Tune	IC	icv	CCA CA1
Analysis Method : 6010C					Dituti	on: 1														,,,
Arsenic	4.94		mg/kg		YES					İ			l		II				l	.1
Barium	88.2		mg/kg		YES								1				1			
Cadmium	1.10		mg/kg		YES	υ	1		Ų	1					1		[]		J	J
Chromium	3.91		mg/kg		YES		,			1	l		1		1		1			1
Lead	15.8		mg/kg		YES					1	l				i i					
Selenium	2.04		mg/kg	U	YES						f		l							
Silver	1.02		mg/kg	U	YES								l		l					1
Analysis Method : 7471B					Dilutio	n: 1	,,,													
Mercury	0.00241		mg/kg	J	YES				l]	ĺ					lj			1
Analysis Method : 8081					Dilutio	n:1														***************************************
4,4'-DDD	20.3		ug/Kg		YES				<u> </u>		1						<u>. </u>		l	1
4,4'-DDD	20.3		ид/Кд		YES		1				<i>i</i> 1						11		l	1
4,4'-DDE	10.0		ug/Kg	J	YES					ĺ									<u> </u>	1
4,4'-DDE	10.0		ug/Kg	J	YES														l	1
4,4'-DDT	35.4		ug/Kg		YES	J]				J				1				l	1
4,4'-DDT	35.4		ug/Kg		YES	3					J				!		1			1
Aldrin	10.3		ug/Kg	U	YES]]					<u> </u>
Aldrin	10,3		ug/Kg	U	YES										1		!			<u> </u>
alpha-BHC	10.3		ug/Kg	U	YES			1							1		l			ŀ
ајрћа-ВНС	10.3		ug/Kg	U	YES													-		1
aipha-Chloidane	10.3		ug/Kg	U	YEO			1]							1
alpha-Chlordane	10.3	;	ug/Kg	V	YE\$			1							l		l i			1
beta-BHC	10.3		uq/Kg	U	YES					1			}		1		1			1
beta-BHC	10.3		ug/Kg	υ	YES			1]				j		1		1			1
Chlordane	34.4		ug/Kg	U	YES			1	1			· · · · · · · · · · · · · · · · · · ·				1]
Chlordane	34.4		ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·	1								1				
delta-BHC	10.3	:	ug/Kg	U .	YES			i	i		1		I			1				ĺ

Project Number and Name:

ADR 8.2

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Library Used:

Report Date: 9/6/2011 09:53

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

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Client Sample ID: E11-151-S3 Sample Date: 07/17/2011

Lab Report Batch: 31101889

Analysis Type: RES

Lab ID: SGSW

Sample Matrix: SO

Lab Sample ID: 31101889027

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Resutt Units	Lab Quai	Rep Res	Overall Quai*		нт	мв	LC\$	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IĊ	ICV	CCV
Analysis Method : 8081					Diluti	on: 1														
della-BHC	10.3	}	ug/Kg	U	YES					1		ì	1	į		}	1	1		[
Dieldrin	10.3		ug/Kg	U	YES								1	ļ	1			}		1
Dieldrin	10.3		ид/Кд	U	YES	: 1					1		1			j	1		1	ĺ
Endosulfan I	10.3		ug/Kg	U	YES	: 1					1	1								1
Endosulfan I	10.3		ug/Kg	ឋ	YES	i i						1								
Endosulfan II	10.3		ug/Kg	U	YES	i i				1										
Endosulfan II	10.3		ug/Kg	U	YES		1			l			1	{						1
Endosulfan sulfate	10.3		ug/Kg	U	YES	;								[Ī
Endosulfan sulfate	10.3		ug/Kg	U	YES						1								l	Ī
Endrin	10.3	:	ug/Kg	U	YES		1					1	[•			l	
Endrin	10.3		ug/Kg	U	YES														 	1
Endrin aldehyde	10.3		ug/Kg	V	YES								1				i		<u> </u>	1
Endrin aldehyde	10.3		ug/Kg	U	YES		1	<u>.</u>				į	i i		1		i .			j
Endrin ketone	10.3		ug/Kg	U	YES		1				i									Ī
Endrin kelone	10,3		ug/Kg	U	YES			1					;							
gamma-BHC (Lindane)	10.3		ug/Kg	U	YES			1											[1
gamma-BHC (Lindane)	10.3		ug/Kg	υ	YES	ĺ	1	1												1
gamma-Chlordane	10.3		ug/Kg	Ü	YES		1	1									j			
gamma-Chlordarie	10.3		ug/Kg	U	YES	1	1		1						ì				1	
Heplachlor	10.3		ug/l(g	Ų	YES	1		1						· · · · · · i			1			
Heptachlor	10.3		ug/Kg	U	YES		1	· · · · · · · · · · · · · · · · · · ·												1
Heptachlor epoxide	10.3		ug/Kg	U	YES		1	Ì	i											
leptachior apoxida	10.3		ug/Kg	U	YEG		1	1	1											1
Methoxychlor	10.3		ug/Kg	U	YES	1		Î	i				 		ì		i			
Methoxychlor	10.3		ug/Kg	U	YES		·····i	ì			,				l		i			1
Toxaphene	34,4		ug/Kg	U.	YES		i	\ I	/ا							.,)				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

Client Sample ID : E11-151-S3 Sample Date: 07/17/2011

Lab Report Batch: 31101889

Analysis Type: RES

Lab ID : SGSW

Sample Matrix: SO

Lab Sample ID: 31101889027

Reviewed By / Date:

Approved By / Date :

Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res		Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit			Tune	ıc	icv	CCV
				Dilutio	on: 1			***************************************	******************************										
34.4	;	ug/Kg	U	YES						İ	1			i					
				Dilutio	on: 1			,,,,,,,,	********										
0.0167		mg/kg	U	YES				[1		1	Π.	l	Ji		1]	1
0.0167		mg/kg	Ų	YES				1	1	,								1	
0.0167		mg/kg	U	YES						1		1		1				1	
0.0167		mg/kg	U	YES				1	1	}	1							1	
0.0167		mg/kg	ย	YES	1				l		1			1				1	
	,			Dilutio	วก: 1													********	,
3.99	;	ид/Кд	U	YES	បរ	1				Ü	i					1			
3.99		ug/Kg	U	YES	UJ	1				UJ									1
3.99		ug/Kg	υ	YES	UJ	1			1	เกา									1
3.99		ug/Kg	U	YES :	IJ					UJ		1					,,,		
3.99		ug/Kg	U	YES	UJ	1				UJ	Ì							1	[
3.99		ug/Kg	υ	YES	UJ	İ				IJ						ĺ			
3.99		ug/Kg	U	YES :	UJ	1			l	บง								1	
3.99		ug/Kg	U	YES	IJ	Ĭ				UJ	l			1				1	1
3.99		ид/Кд	U	YES	ยม					UJ									l
3.99		ug/Kg	U	YES	UJ	1				UJ	i			1					1
3 99		ug/Kg	U	YES	18.1					UJ								1	1
23 9	;	пр/Кр	u į	YES :	ΠŊ					UJ						ì			
3.99		uy/k(y	U	YE3	IJ					UJ		[
3,99		ug/Kg	V ;	YES :	UJ					UJ				1					
3,99		ug/Kg	Ų	YES	UJ					ŲJ				l i					
3.99	•	ug/Kg	U	YES	IJ	1			[UJ								1	i
3.99	:	ug/Kg	U	YES	ΩJ	ļ				UJ	, ,	1)			i
3.99		ug/Kg	U	YES	UJ	· · · · · · · · · · · · · · · · · · ·	1	1		IJ							,		i
3,99		ug/Kg	υ	YES	IJ					IJ						i		1	
	34.4 0.0167 0.0167 0.0167 0.0167 3.99	Result Error 34.4 0.0167 0.0167 0.0167 0.0167 0.0167 3.99	Result Error Units 34.4 ug/Kg 0.0167 mg/kg 0.0167 mg/kg 0.0167 mg/kg 0.0167 mg/kg 0.0167 mg/kg 3.99 ug/Kg 3.99	Result Error Units Qual	Result	Result	Result	Result	Result	Result Error Units Qual Res Qual Temp HT MB LCS	Result	Result Error Units Qual Res Qual Temp HT MB LCS MS Dup	Result	Result	Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit Tot/Dis	Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit Tot/Dis QC	Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit Tot/Ols QC Tune	Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit Tot/Dis QC Tune IC	Result Error Units Qual Res Qual Temp HT MB LCS MS Dup Surr Limit ToUDIS QC Tune IC ICV

Project Number and Name:

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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

Client Sample ID: E11-151-S3

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889027

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai		Overall Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Tune	IC	ICV	CCV CCV
Analysis Method : 8260B			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Dilutio	n: 1													
1,4-Dichlorobenzene	3.99		ug/Kg	U	YES	UJ			1		ŲJ		[1		 <u> </u>		1	1
2,2-Dichloropropane	3.99		ug/Kg	U	YES	UJ					เม		ļ.,,,,,,	<u> </u>		 <u> </u>		<u> </u>	1
2-Bulanone	20.0		ид/Кд	U	YES	IJ	i		[UJ		1		<u> </u>	 <u> </u>		<u> </u>	1
2-Chlorotoluene	3.99		ug/Kg	U	YES	UJ			1		UJ		1		[<u> </u>		<u> </u>	<u> </u>
2-Hexanone	9.98		ug/Kg	U	YES	IJ				l	UJ	<u> </u>	1		<u> </u>	 <u> </u>		<u> </u>	1
4-Chlorotoluene	3.99		ug/Kg	U	YES	IJ				l	IJ		1		<u> </u>	 <u> </u>		<u> </u>	1
4-Isapropyllatuene	3.99		ug/Kg	U	YES	ยม					UJ	ļ	l			 		<u> </u>	1
4-Melhyl-2-pentanone	9.98		ug/Kg	U	YES	IJ					UJ		1			<u> </u>		<u> </u>	1
Acetone	30.3		ug/Kg	J	YES	J					J	ļ	J			 į į		<u> </u>	1
Benzene	3.99		ug/Kg	U	YES	UJ			-		UJ		l			 l		<u> </u>	1
Bromobenzene	3.99		ug/Kg	υ	YES	ŲJ			1		IJ				ĺ	 <u> </u>		1	<u> </u>
Bromochloromelhane	3.99		ug/Kg	U	YES	UJ					UJ]	 !		<u> </u>	ļ
Bromodichloromethane	3.99		ug/Kg	U	YES	UJ					ŲJ]	 ì		<u> </u>	l
Bromoform	3.99		ug/Kg	υ	YES	υJ		,,,,,,,,,,,			ŲĴ				l	 1		<u> </u>	<u> </u>
Bromomethane	3.99		ug/Kg	υ	YES	υJ		,			ŲJ		1	l	l i	 li		1	1
Carbon disulfide	3.99		цд/Кд	U	YES	UJ				υJ	UJ		1			L		J	<u> </u>
Carbon letrachloride	3.99		ид/Кд	ប	YES	UJ					UJ		1		l	 ŀ		<u> </u>	İ
Chlorobenzene	3.99		ид/Кд	U	YES ;	UJ			i	i i	UJ					[<u> </u>	1
Chloroethane	3.99		ug/Kg	U	YES	UJ					υJ							<u> </u>	ļ
Chloroform	3.99		ug/Kg	U	YES	UJ					IJ		1			l]	l
Chloromethane	3,99		ug/Kg	U	YES	UJ			1		เกา		l		1 1			<u>.</u>	ļ
cis-1,2-Dichloroethene	3.99		ug/Kg	U	YES	UJ					นา		l		1	 		1	ļ
cis-1,3-Dichloropropene	3.99		ug/Kg	υ ;	YES	บJ			1		ÚĴ					 		1	<u> </u>
Dibromochloromethane	3.99		ug/Kg	U	YES	UJ			1		UJ					 l I		1	<u> </u>
Dibromomelhane	3.99		ug/Kg	น	YES	IJ	1				UJ		1					1	1
Dichlorodifluoremethane	3.99		ug/Kg	U	YES	UJ	1		1		UL		1	. ,	F	 1		1	1

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: E11-151-S3

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889027

Reviewed By / Date :

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overali Qual*		HT	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	łC	ICV	CCV
Analysis Method : 8260B					Dilutio	on: 1								,,,_,						
Ethyl Benzene	3.99		ug/Kg	U	YES	UJ					មរ	[1		l		<u> </u>		<u> </u>	<u> </u>
Hexachlorobuladiene	3.99		ug/Kg	U	YES	UJ				1	UJ	Ĺ	1		[l		<u> </u>	<u> </u>
(sopropylbenzene (Cumene)	3.99		ug/Kg	U	YES	ŲJ					UJ	Ĺ	1	1	<u> </u>				J	<u> </u>
m,p-Xylene	7,98		ug/Kg	U	YES				İ				<u> </u>		<u> </u>		<u> </u>		<u></u>	<u> </u>
Methyl iodide	3.99		ug/Kg	Ų	YES	UJ			[UJ	UJ	[l		<u> </u>		[1	<u> </u>
Methylene chloride	1.77		ug/Kg	J	YES	J					J	<u> </u>	J		l	-	<u> </u>		<u> </u>	l
Naphthalene	3.99		ug/Kg	U	YES	UJ				1	UJ	[1		<u> </u>				J	<u> </u>
n-Butylbenzene	3.99		ug/Kg	υ	YES	UJ				1	UJ			}					J	<u> </u>
n-Propylbenzene	3.99		ug/Kg	U	YES	ŲĴ		.,,			UJ	1							<u> </u>	<u> </u>
o-Xylene	3,99		ug/Kg	υ	YES	UJ				1	UJ	1							J	<u> </u>
sec-Butylbenzene	3.99		ug/Kg	U	YES	IJ					UJ	1]	l
Styrene	3.99		ug/Kg	U	YES	IJ					IJ								1	1
tert-Butyl methyl ether (MTBE)	3.99		ug/Kg	U	YES	υJ			l		บม									
tert-Butylbenzene	3.99		ug/Kg	U	YES	IJ	-		1		UJ		1]				1	1
Tetrachioroethene	0.990		ug/Kg	J	YES	J					J		J		[<u> </u>		1	1
Toluene	8.55		ug/Kg		YES	J	1				J		J]		l	1
trans-1,2-Dichloroethene	3.99		ug/Kg	υ	YES	UJ					UJ		1		1				ļ	l
trans-1,3-Dichloropropene	3.99		ng/Kg	IJ	YES	กา					UJ								1	1
trans-1,4-Dichloro-2-butene	20.0		ид/Кд	U	YES				1										l	1
inchloroethene	3.99	1	uý/l(ý	U	YEO	υJ					UJ				1				1	
Trichlorofluoromethane	3.99		ug/Kg	U	YES	UJ	· · · · · · · · · · · · · · · · · · ·				UJ	}					i		1	1
Vinyl chloride	3,99		ug/Kq	U	YES	UJ					UJ									
Analysis Method : 8270D					Dilutio	n: 1														
1,2,4-Trichlorobenzene	344		ug/Kg	Ų	YES		-								l i				1	1
1,2-Dichlorobenzene	344		ug/Kg	U	YES	j			i				1						1	
1,3-Dichlorobenzene	344		ug/Kg	υ	YES	1			· · · · · · · · ·										[
1,4-Dichlorobenzene	344	;	ug/Kg	U	YES		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

Client Sample ID: E11-151-S3

Lab Report Batch: 31101889

Analysis Type: RES

Lab ID: SGSW

Sample Matrix: SO

Sample Date: 07/17/2011 Lab Sample ID: 31101889027

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quat	Rep Res	Overati Qual*	Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Tune	IC	ICV	CCA
Analysis Method : 82700	D				Diluti	on: 1													
2,4,5-Trichlorophenol	344		ug/Kg	U	YES	:]	<u> </u>	1		<u> </u>	 1	L	<u> </u>	<u> </u>
2,4,6-Trichlorophenol	344		ug/Kg	U	YES				1	<u> </u>		<u>.</u>	1	<u> </u>]	 <u> </u>	·	<u> </u>	1
2,4-Dichlorophenol	344		ug/Kg	U	YES					<u> </u>	<u>.</u>	ļ	<u> </u>	<u> </u>	ļ	 <u> </u>	<u> </u>	<u> </u>	<u> </u>
2,4-Dimethylphenol	344		ug/Kg	ម	YES				l		<u> </u>	l	<u> </u>	<u> </u>	<u> </u>	 l		<u> </u>	<u> </u>
2,4-Dinitrotoluene	344		ug/Kg	U	YES		<u>l</u>		<u> </u>	<u> </u>	<u> </u>	i	ļ		<u> </u>	 <u> </u>		<u>J</u>	<u> </u>
2,6-Dinitrotoluene	344		ug/Kg	U	YES				1	<u> </u>	<u>.</u>	L	ļ	ļ,,,,,	<u>i</u>	 l	<u> </u>	1	<u> </u>
2-Chloronaphthalene	344		ug/Kg	U	YES			İ	l	<u> </u>	l	L	1		<u> </u>	 <u> </u>	Ĺ	<u> </u>	<u> </u>
2-Chlorophenol	344		ug/Kg	U	YES		ا		l	<u> </u>	<u>.</u>	<u> </u>	l	<u> </u>	<u> </u>	 1	Ì	<u> </u>	<u> </u>
2-Methylnaphthalene	344		ug/Kg	Ų	YES		l		l.,	<u> </u>	J	L	l	l	<u> </u>	 1	l	<u> </u>	<u> </u>
2-Methylphenol	344		ug/Kg	U	YES				<u> </u>	<u> </u>	<u> </u>		l		l	 <u> </u>	l	J	<u> </u>
2-Nitroaniline	344		ug/Kg	U	YES				<u> </u>	1	<u> </u>	<u> </u>	l		1	 l	į 	<u> </u>	1
2-Nitrophenof	344		ug/Kg	U	YES]				<u> </u>	1	<u> </u>	l		<u> </u> i	 l	Ì	<u> </u>	1
3 and/or 4-Methylphenol	344		ug/Kg	Ü	YES				1	<u> </u>	1	<u> </u>	l		<u> </u>	 <u>!</u>	ļ	<u> </u>	l
3-Nitroaniline	344		ug/Kg	U	YES	<u>:</u>			l	l	Ì	<u></u>	<u> </u>		<u> </u>	 l	ļ	<u> </u>	<u>l</u>
4-Bromophenyl phenyl ether	344		ug/Kg	U	YES	<u>[</u>			l	<u> </u>	Í	ļ	<u> </u>		l	 l	<u></u>	<u> </u>	<u> </u>
4-Chloro-3-methylphenol	344		ug/Kg	Ų	YES				l	l	[ļ	l		<u> </u>	 l	l	ļ	l
4-Chloroaniline	344		ug/Kg	U	YES				l	1	£	<u> </u>	L.,		<u> </u>	 l	l	J	l
4-Chlorophenyl phenyl ether	344		ug/Kg	U	YES			-,,	l	ļ	l	l	l		<u> </u>	 l	l		ļ
4-Nitroaniline	344	ļ	ug/Kg	υ	YES			.,	l	[<u> </u>	l	1		<u> </u>	 l	l	ļ	l
4-Nitrophenol	344		uq/Kq	U	YES	:			l	1	<u> </u>	l	l	ĺ.,	l	 l		ļ	
Acenaphthene	344		ug/Kg	U	YES				l	ļ	<u>.</u>	l	l		1	 l	l	ļ	
Acenaphthylene	344	į	ug/Kg	U	YES	<u> </u>			l	<u> </u>	<u> </u>	l	l		<u> </u>	 l	l	}	l
Anthracene	344		ug/Kg	u	YES	<u> </u>	!		l		<u> </u>	<u> </u>	<u> </u>		<u> </u>	 <u> </u>	<u></u>	<u> </u>	<u>ļ</u>
Benzo(a)anthracene	344		ug/Kg	u	YES]1	1		<u> </u>		<u> </u>	ļ	l			 l	<u>.</u>	J	l
Benzo(a)pyrene	344		ug/Kg	U	YES	1			l	1	<u>.</u>	ļ	l			 l	l	<u> </u>	l
Benzo(b)fluoranthene	344		ug/Kg	U	YES		1		ŀ	1	i	1	1			1	l	<u> </u>	

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

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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 : E11-151-S3

Lab Report Batch: 31101889

Sample Date : 07/17/2011

Analysis Type: RES

Lab ID: SGSW

Sample Matrix: SO

Lab Sample ID: 31101889027

Reviewed By / Date:

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*		нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Tune	IC	icv	CCV CCV
Analysis Method : 8270D				,.	Diluti	on: 1		,								 			
Benzo(g,h,i)perylene	344		ug/Kg	U	YES					1		<u> </u>	<u> </u>	}	<u> </u>	 1 1		<u> </u>	<u> </u>
Benzo(k)fluoranihene	344		ug/Kg	ប	YES		<u> </u>		<u> </u>	1	}	<u> </u>	l		<u> </u>	 		<u></u>	<u> </u>
Bis(2-Chloroethoxy)methane	344		ug/Kg	U	YES				<u> </u>	<u> </u>		<u> </u>	l	<u> </u>	1	 <u> </u>		<u> </u>	<u> </u>
Bis(2-Chloroethyl)ether	344		ug/Kg	U	YES				<u> ,</u>	<u> </u>			<u> </u>	<u> </u>	<u> </u>	 		ļ	<u> </u>
Bis(2-Chloroisopropyl)ether	344		ug/Kg	U	YES						<u></u>	{	<u> </u>	<u> </u>	1	 l		<u> </u>	<u> </u>
Bis(2-Ethylhexyl)phlhalate	344		ug/Kg	U	YES		1		<u> </u>	<u> </u>			<u> </u>	<u> </u>	<u> </u>	 		<u> </u>	<u> </u>
Butyi benzyl phthalale	344		ug/Kg	U	YES						<u> </u>	}	l	<u> </u>	1			<u> </u>	<u> </u>
Chrysene	344		ug/Kg	U	YES		1			ļ	<u> </u>		l	<u> </u>	1	 <u>[]</u>		ļ	<u> </u>
Dibenz(a,h)anthracene	344		ug/Kg	U	YES					<u> </u>	<u> </u>	l	l	<u> </u>	1	 <u> </u>		ļ	<u> </u>
Dibenzofuran	344		ug/Kg	U	YES				l <u>.</u>	<u> </u>	<u> </u>		l	<u> </u>	1	 l		<u> </u>	<u> </u>
Diethyl phthalale	344		ug/Kg	υ	YES		<u> </u>	j	l 	ļ			<u> </u>	l	1	 l		<u> </u>	<u> </u>
Dimethyl phlhalate	344		ug/Kg	U	YES				l	l			l		1	 <u> </u>		l	l
Di-n-bulyl phthalate	344		ug/Kg	U	YES				<u> </u>	l		ļ.,,,	l		1	 []		l	İ
Di-n-octyl phthalate	344		ug/Kg	U	YES				ļ	l		[<i>.</i>	ļ,,		<u> </u>	 		l	İ
Fluoranthene	344		ug/Kg	U	YES				L	l				<u> </u>	<u> </u>	 		l	İ
Fluorene	344		ug/Kg	U	YES				ļ	l		<u> </u>	l	Í	<u> </u>	 l		İ	Í
Hexachlorobenzene	344		ug/Kg	U	YES		1		ļ <u>.</u>		Í	<u> </u>	l	ļ		 l		l	Í
Hexachtorobutadiene	344	,	ug/Kg	V	YES				<u>.</u>			l		[<u> </u>	 		l	Í
Hexachlorocyclopenladiene	344		ug/Kg	U	YES								l	<u> </u>	<u> </u>	 l		l	!
Hexachloroethane	344)	ug/Kg	U ;	YES	1			L	J 1			1		1 1	1			1
Indeno(1,2,3-cd)pyrene	344		ug/Kg	u	YES	}				<u> </u>			l	l	1	 l		l	<u>!</u>
Isophorone	344		ug/Kg	U	YES					<u>[</u>]			<u> </u>	l	l	 l		l	İ
Naphthalene	344		ug/Kg	U	YES				l	<u> </u>	الــــــا	[<u> </u>	<u> </u>	<u> </u>	 <u> </u>			<u> </u>
Nitrobenzene	344		ug/Kg	U	YES					<u> </u>			l	<u> </u>		 l			<u> </u>
n-Nitrosodi-n-propylamine	344		ug/Kg	υ	YES					l			l	1		 lj			l
Pentachlorophenol	344		ид/Кд	u i	YES	UJ				ŲĴ				1]]			1

Project Number and Name:

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

Library Used:

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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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Client Sample ID: E11-151-S3

Lab Report Batch: 31101889

Sample Date: 07/17/2011

Analysis Type: RE\$

Lab ID: SGSW

Sample Matrix: SO

Lab Sample ID: 31101889027

Reviewed By / Date :							Арр	rove	d By /	Date :										
Analyte Name	Result	Uncertainty / Error	Result Units	Lah Qual	Rep Res	Overall Qual*	Temp	нт	мв	i.cs	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	ıc	ICV	CCV CCV
Analysis Method : 8270D					Diluti	on: 1						demonstration on the								
Phenanthrene	344		ug/Kg	U	YES	: !			Ï	1				l	J		1	<u> </u>	<u> </u>	
Phenol	344		ug/Kg	U	YES			1			}	l	l		1		1	<u> </u>	1	
Pyrene	344		ug/Kg	U	YES			1	1	1	}		1		1	i	1	ſ	1	1

Project Number and Name:

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

Library Used:

Report Date: 9/6/2011 09:53

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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 : E11-151-S4

Lab Report Batch: 31101889

Analysis Type: RES

Lab ID : SGSW

Sample Matrix : SO

Sample Date : 07/17/2011 Lab Sample ID: 31101889028

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*		нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist ToVD(s	Field QC	Tune	10	юv	CCV CCV
Analysis Method : 6010C					Dilutio	on: 1								.,,,,-						
Arsenic	1.27	;	mg/kg		YES		1 1						1	<u> </u>	1				1	1
Barium	87.8		mg/kg		YES														l	[
Cadmium	0.792		mg/kg		YES	υ			U				1]				1	!
Chromium	4,09		mg/kg		YES					1				i	<u> </u>		[l	1
Lead	6.36		mg/kg		YES								1	Ì	<u> </u>		1		1	1
Selenium	1.32	:	mg/kg	J	YES								l						ļ.,	1
Silver	0.986	;	mg/kg	U	YES		ļ [1
Analysis Method : 7471B		**************			Dilutio	on: 1														
Mercury	0.0181	:	mg/kg	U	YES]												1	
Analysis Method : 8081					Dilutio	on: 1														
4,4'-DDD	10.1		ug/Kg	U	YES		iI						}	i 1	J		<u> </u>		l	1
4,4'-DDD	10.1		ug/Kg	U	YES		1			[l		Ii		1		<u> </u>	[
4,4'-DDE	10.1		ug/Kg	U	YES							[]	<u> </u>		l i)		l	1
4,4'-DDE	10.1		ug/Kg	U	YES									İ	<u> </u>		1		<u> </u>	<u> </u>
4,4'-DDT	1,13		ug/Kg	JP	YES	UJ]	U	ĺ	J			l	1				ļ <i>.</i>	1
4,4'-DDT	1,13		ug/Kg	JP	YES	ΩJ			ŭ		J				l		<u> </u>		<u> </u>	1
Aldrin	10.1		ug/Kg	U	YES								,		<u> </u>		<u> </u>		<u>.</u>	<u> </u>
Aldrin	10.1		ug/Kg	U	YES										<u> </u>				l	1
alpha-BHC	10.1		ug/Kg	U	YES										<u> </u>				l	1
alpha-BHC	10.1		ug/Kg	U	YES						1				1					
alpha-Chlordane	10.1		ug/Kg	u	YES						1				l		Į		l]
alpha-Chlordane	10.1		ug/Kg	U	YES						}						-		l	
beta-8HC	10.1		ug/Kg	U	YES		Ī				[ļ		L.,	<u>L</u>
beta-BHC	10,1		ид/Ко	U	YES						1								L	1
Chlordane	33.7		ug/Kg	υ	YES)									l	l
Chlordane	33.7		ug/Kg	IJ	YES		l İ	1												<u> </u>
delta-BHC	10.1		ug/Kg	ប	YES			I					1		1					1

Project Number and Name:

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

Library Used:

Report Date: 9/6/2011 09:53

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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: E11-151-S4

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011 Lab Sample ID: 31101889028 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :							-Ahh	. Ovet	. Dy i	Date :										
Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overati Qual*		нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CCV
Analysis Method : 8081					Diluti	on: 1							***************************************							
delta-BHC	10.1		ug/Kg	U	YES				1	1	Ţ		1	1	1		1	}	<u> </u>	1
Dieldrin	10.1		ug/Kg	U	YES						į	1	1	}			<u> </u>	l	1	1
Dieldrin	10.1	:	ид/Кд	U	YES				1		ŧ	į					l	<u> </u>	1	1
Endosulfan I	10,1	;	ug/Kg	U	YES				1	1	ĺ	ĺ			[İ	l	1	1
Endosulfan I	10.1	;	ug/Kg	U	YES				1]					1		[l	<u> </u>	1
Endosulfan li	10.1		ug/Kg	U	YES	: I			l]				1		ļ	ĺ	<u> </u>	1
Endosulfan il	10.1		ug/Kg	U	YES	;]				1			İ	1			[<u>.</u>	J
Endosulfan sulfate	10.1		ug/Kg	U	YES				l]		1	1				1	<u> </u>	1
Endosulfan sulfate	10.1		ug/Kg	U	YES					1	<u> </u>				[]	<u> </u>	[
Endrin	10.1		ug/Kg	U	YES					1	İ.	ļ		1	l			}	<u> </u>	1
Endrin	10.1		ug/Kg	U	YES]	ł	1		l		l		<u> </u>	1
Endrin aldehyde	10.1		ug/Kg	U	YES				1	1]	L			1				1	1
Endrin aldehyde	10.1		ug/Kg	υ	YES					1]	ĺ		i			<u> </u>		1	1
Endrin ketone	10.1		ug/Kg	U	YES		1			ĺ			1						l	1
Endrin ketone	10.1		ug/Kg	U	YES		1			1			1]	ļ
gamma-BHC (Lindane)	10.1		ug/Kg	U	YES				l	1	1				1	,		i	<u> </u>	<u> </u>
gamma-BHC (Lindane)	10.1		ug/Kg	U	YES		- 1		1	1	1		1					l	<u> </u>	<u> </u>
gamma-Chlordane	10.1		ug/Kg	U	YES			l		1	1	į							<u> </u>	1
gamma-Chlordane	10.1		ug/Kg	U	YES	- 1					l	ł	l		1				<u> </u>	1
Heptachior	10.1		uo/Ko	U	YES							[1			[1	1
Heptachlor	10.1		ug/Kg	U	YES	1	1			1		ĺ	l	l	1				1	1
Heptachlor epoxide	10.1		ид/Кд	U	YES	1				1	ļ	l					[]		l	
Heptachlor epoxide	10.1		ug/Kg	U	YES						<u> </u>	<u> </u>							1	l
Methoxychlor	10.1		ug/Kg	U	YES					l	1		1		<u> </u>				1	ļ
Methoxychlor	10.1		ug/Kg	U	YES	l				l	1		1]				1	ļ
Toxaphene	33.7		ug/Kg	U	YES						1	į					}		l	

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

Library Used:

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Report Date: 9/6/2011 09:53

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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: E11-151-S4

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889028

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overall Qual*		нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV
Analysis Method : 8081					Dilut	on: 1					.,,,,									
Toxaphene	33.7		ug/Kg	U	YES	:				1	!								[
Analysis Method : 8151					Diluti	on: 1														
2,4,5-T	0.0167		mg/kg	ป	YES				1		Ï				<u> </u>				<u> </u>	1
2,4,5-TP (Silvex)	0.0167		mg/kg	U	YES									,					1	1
2,4'-D	0.0167		mg/kg	U	YES				1	1			1	{	1				1	1
2,4-D8	0.0167		mg/kg	U	YES					1							l		l	1
Dicamba	0.0167		mg/kg	U	YES					1	1			i					1	
Analysis Method : 8260B					Diluti	on: 1														
1,1,1,2-Tetrachloroethane	4.03		ug/Kg	U	YES	UJ			l .	1	UJ				1				1	ĺ
1,1,1-Trichloroethane	4.03		ug/Kg	U	YES	רח				1	IJ	İ							<u> </u>	1
1,1,2,2-Tetrachloroethane	4.03		ug/Kg	U	YES	UJ			1		UJ :									1
1,1,2-Trichloroethane	4.03		ид/Кд	U	YES	ยม	1			-	UJ				[]		l		ļ	1
1,1-Dichloroethane	4.03		ug/Kg	U	YES	UJ	1				Ų								1	l
1,1-Dichloroethene	4.03		ug/Kg	ឋ	YES	UJ			1	1	UJ		1		1					1
1,1-Dichloropropene	4.03		ид/Кд	υ	YES	ียม					UJ								ļ	l
1,2,3-Trichlorobenzene	4.03		ид/Кд	U	YES	υJ					ŲJ.		1							
1,2,3-Trichloropropane	4.03		ug/Kg	U	YES	ยม					UJ									
1,2,4-Trichtorobenzene	4.03		ug/Kg	Ų	YES	UJ	1				UJ									1
1,2,4-Trimethylberizene	4.03		ug/Kg	U	YES	UJ	Ī				UJ									Ī
1,2-Dibromo-3-chloropropane	24.2		ug/Kg	ឋ	YES	UJ	1				UJ					////				
1,2-Dibromoethane	4.03		ug/Kg	u	YES	: UJ	1				UJ				1 1		ı ï			
1,2-Dichlorobenzene	4,03		ид/Кд	U	YES	ียม	1				IJ		1 1							1
1,2-Dichloroethane	4.03		ug/Kg	Ú	YES	UJ	 				IJ							•		1
1,2-Dichloropropane	4.03		ug/Kg	U	YES	IJ					បរ				1					1
1,3,5-Trimethylbenzene	4.03		ug/Kg	U	YES	IJ					UJ									I
1,3-Dichlorobenzene	4.03	· · · · · · · · · · · · · · · · · · ·	ug/Kg	υ	YES	IJ	i i				UJ				 					
1,3-Dichloropropane	4.03	·····	ug/Kg	U	VEC	LU					UJ								1	1

Project Number and Name:

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Library Used: CampCarroll

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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: E11-151-S4

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011 Lab Sample ID: 31101889028 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :							App	rovec	By /	Date :										
Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	мв	LCS	мs	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	ıc	ICV	CCV
Analysis Method : 8260B		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Diluti	on: 1						-2,2,7,0,7,0,7								
1,4-Dichlorobenzene	4.03		ug/Kg	υ	YES	IJ				<u> </u>	UJ			1				l	<u> </u>	<u> </u>
2,2-Dichloropropane	4.03		ug/Kg	U	YES	UJ			l	<u> </u>	เม	<u> </u>	ļ.,,,,,,	1	1]	<u> </u>	<u> </u>	1
2-Butanone	18.8		ид∕Кд	J	YES	J			ĺ	<u> </u>	J	<u> </u>	1	1	1		<u> </u>	ļ	1	<u> </u>
2-Chlorotoluene	4.03		ug/Kg	U	YES	UJ			[UJ		1				<u> </u>	ļ 	<u> </u>	<u> </u>
2-Нехапопе	10.1		ug/Kg	U	YES	บJ					UJ	!		<u> </u>]		<u> </u>	<u> </u>
4-Chiorololuene	4.03		ug/Kg	U	YES	บป]	UJ	1			1				<u> </u>	ļ
4-Isopropyiloluene	4.03		ug/Kg	Ų	YES	U.J					UJ	1	l	<u> </u>			l		1	1
4-Methyl-2-pentanone	10.1		ug/Kg	υ	YES	ยม]	UJ	1	ļ]					<u> </u>	<u> </u>
Acetone	104		ug/Kg		YES	J				1	J		<u> </u>]	l		[]		<u> </u>	<u> </u>
Benzene	4.03		ug/Kg	ឋ	YES	UJ				l	UJ]				[l	1	<u> </u>
Bromobenzene	4.03		ug/Kg	U	YES	UJ	1			1	UJ			l	ļ				1	
Bromochloromethane	4.03		ug/Kg	U	YES	มา	1				IJ			1	l		<u> </u>		<u> </u>	1
Bromodichloromethane	4,03		ug/Kg	U	YES	IJ					UJ			l	1				<u> </u>	<u> </u>
Bromoform	4.03		ug/Kg	U	YES	ŲJ					UJ		1		li				<u> </u>	<u> </u>
Bromomethane	4.03		ид/Ко	U	YES	IJ	1			1	UJ	1	1	l						<u> </u>
Carbon disulfide	4.03		ug/Kg	U	YES	UJ	1			UJ	Ų	•		l					1	1
Carbon tetrachloride	4.03		ug/Kg	U	YES	UJ	1	,		1	UJ	{			1			ĺ	1	l
Chlorobenzene	4.03		ug/Kg	U	YES	UJ	1			1	IJ	1		l					<u> </u>	
Chloroelhane	4.03		ug/Kg	U	YES	IJ	1			l	UJ		ŀ		1				1	
Chloroform	4.03		ug/Kg	Ų	YES	ŲJ	1			1	IJ				1]			<u> </u>
Chioromethane	4.03		ug/Kg	U	YES	กา	1				เกา		ĺ	1	1				1	[
cis-1,2-Dichloroethene	4.03		ug/Kg	U	YES	UJ	1				เกา		1		1				1	1
cis-1,3-Dichloropropene	4.03		ขg/Kg	U	YES	UJ				1	UJ		L		1			-	<u> </u>	1
Dibromochloromelhane	4.03	;	ug/Kg	U	YES	UJ	Ī				UJ		1		1				<u> </u>	1
Dibromomethane	4.03		ug/Kg	U	YES	ŲJ	1				UJ		1						l	1
Dichlorodifluoromethane	4.03	1	ug/Kg	υ	YEε	UJ	ì				UJ		l							

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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: E11-151-S4

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011 Lab Sample ID: 31101889028 Analysis Type: RES

Sample Matrix : SO

														Dor	Moist	Fiold				CV/
Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep	Overall Qual*	Temp	НT	мв	LCS	MS	Lab Dup	Surr	Rep Limit	ToUDis		Tune	IC	ICV	ccv
Analysis Method : 8260B	3				Dituti	on: 1						•								
Ethyl Benzene	4.03	1	ug/Kg	υ	YES	UJ	<u> </u>		1	<u> </u>	UJ		<u> </u>			<u> </u>	ļ	<u> </u>	<u> </u>	<u> </u>
Hexachlorobutadiene	4.03		ug/Kg	U	YES	IJ			Ï		UJ	<u> </u>	1	1	1		<u> </u>	<u> </u>	<u> </u>	1
(Sopropylbenzene (Cumene)	4.03		ug/Kg	บ	YES	IJJ			<u> </u>	ļ	UJ	<u> </u>	1		1	l	<u> </u>	ļ	<u> </u>	1
m,p-Xylene	8.06		ug/Kg	U	YES				l	[<u> </u>	1	1		1	<u> </u>	[<u> </u>	1	1
Methyl iodide	2.28)	ug/Kg	J	YES	J			[J	J	1	1		1	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Methylene chloride	2.13		ug/Kg	J	YES	J			<u> </u>	<u> </u>	J	1	<u> </u>			<u> </u>	<u> </u>	<u> </u>	1	1
Naphihalene	4.03		ug/Kg	U	YES	UJ			<u> </u>		ŲJ	1	<u> </u>		1	l	<u> </u>	ļ	1	1
n-Bulylbenzene	4.03		ug/Kg	U	YES	IJ			Ĺ	1	ŲJ	1	<u> </u>		1	l <i></i>	l	<u> </u>	1	1
n-Propylbenzene	4.03		ug/Kg	υ	YES	UJ			ļ	1	ŲJ	į	<u></u>		<u> </u>	l	l	ļ	1	1
o-Xylene	4.03		ug/Kg	U	YES	UJ			1	1	UJ	1	<u> </u>		l	l	l	l	<u> </u>	1
sec-Butylbenzene	4.03		ug/Kg	U	YES	ΠJ			l	1	UJ	<u> </u>	<u> </u>]	1	<u> </u>	L	<u> </u>	<u> </u>
Styrene	4.03		ug/Kg	U	YES	UJ.			<u> </u>	<u> </u>	บบ	<u> </u>	1			!		Ĺ	<u> </u>	1
tert-Butyl methyl ether (MTSE)	4.03		ug/Kg	U	YES	UJ			<u> </u>	ļ	UJ	ļ	1			<u> </u>			1	<u> </u>
tert-Butylbenzene	4.03		ug/Kg	U	YES	IJ			<u> </u>	<u> </u>	ŲJ	<u> </u>	<u> </u>		<u> </u>			l	<u> </u>	1
Tetrachloroethene	2.05		ug/Kg	J	YES	J			1	1	J	Į	<u> </u>		<u> </u>		ļ	l	<u> </u>	1
Toluene	4.03		ug/Kg	υ	YES	UJ			Į	<u> </u>	UJ	1	1		<u> </u>	l		l.,,	<u> </u>	I
trans-1,2-Dichloroethene	4.03		ug/Kg	U	YES	UJ				<u> </u>	UJ	<u> </u>	1		1				<u> </u>	1
trans-1,3-Dichloropropene	4.03		ug/Kg	U	YES	IJ	i			1	UJ	į	l		<u> </u>				J	I
trans-1,4-Dichloro-2-butene	20.1		ug/Kg	U	YES				l		l	1	<u> </u>		l	l	lj	Ĺ	1	l
Trichlomethene	4.03		ug/Kg	U	YES	UJ			l	1	IJ	1.,	l		l		<u> </u>	l	1	<u> </u>
Trichlorofluoromethane	4,03		ug/Kg	U	YES	UJ	.,		l	1	UJ	ł	l		<u> </u>		<u> </u>		1	<u> </u>
Vinyl chloride	4.03		ug/Kg	U	YES	UJ			l		M	(l		<u> </u>		l		<u> </u>	l
Aлalysis Method : 8270D					Dilutio	n: 1														
1,2,4-Trichlorobenzene	344		ug/Kg	U	YES				<u> </u>	<u> </u>	<u>.</u>	<u> </u>	<u> </u>		<u> </u>		<u> </u>		<u> </u>	<u> </u>
1,2-Dichlorobenzene	344		ug/Kg	υ	YES		1		ļ	<u> </u>		<u> </u>	1		1		<u> </u>		<u> </u>	<u> </u>
1,3-Dichlorobonzono	311		ид/Кд	U	YES			,	<u> </u>			<u> </u>	[<u> </u>				<u> </u>	<u> </u>
1,4-Dichlorobenzene	344		ug/Kg	U	YES		1		l	l	3								J	ļ <u>.</u>

Project Number and Name:

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Library Used:

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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: E11-151-S4

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date: 07/17/2011 Lab Sample ID: 31101889028 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overafi Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CCV
Analysis Method : 8270D					Dilutio	on: 1														
2,4,5-Trichlorophenol	344		ug/Kg	U	YES															1
2,4,6-Trichlorophenol	344		ug/Kg	U	YES														1	
2,4-Dichlorophenol	344		ug/Kg	U	YES															1
2,4-Dimethylphenol	344		ug/Kg	U	YES						1		1		1				l	ļ
2,4-Dinitrotoluene	344		ug/Kg	U	YES						1								l	l
2,6-Dinitrotofuene	344		ug/Kg	U	YES						(}	1						l	
2-Chloronaphthalene	344	;	ug/Kg	υ	YES								1							
2-Chlorophenol	344	;	ug/Kg	υ	YES														1	
2-Methylnaphthalene	344	;	ug/Kg	U	YES								İ	1	l i					[
2-Methylphenol	344		ug/Kg	U	YES															1
2-Nitroaniline	344		ug/Kg	U	YES						!								1	1
2-Nitrophenol	344	i	ug/Kg	U	YES		-	j			[1	l
3 and/or 4-Methylphenol	344	;	ug/Kg	U	YES										1		Ī			
3-Nitroaniline	344		ug/Kg	U ;	YES :								1							
4-Bromophenyl phenyl ether	344	1	ug/Kg	U	YES	1		1		1	1									1
4-Chtoro-3-methylphenol	344		ug/Kg	U	YES	i														
4-Chloroaniline	344	i	ug/Kg	U	YES	1		1		1	1									1
4-Chlorophenyl phenyl ether	344		ug/Kg	U	YES												1			1
4-Nitroaniline	344		ug/Kg	U	YES								i			1	5			1
4-Nitrophenol	344	i	ug/Kg	u	YES	- 1	1	1	1	i					1	1	į			i '
Acenaphthene	344		ug/Kg	U	YES :	1		1	1						1	l	[1
Acenaphthylene	344		ug/Kg	U	YES	1	1	1	1								İ			1
Anthracene	344		ug/Kg	U	YES	1	1	1		į			1							1
Benzo(a)anthracene	344		ug/Kg	υ	YES			I		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						[
Benzo(a)pyrene	344		ug/Kg	υ	YES		1	I	1											
Benzo(b)fluoranthene	344		ug/Kg	U :	YEC	· · · · · · · · · · · · · · · · · · ·	1		ĺ							1	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

Client Sample ID: E11-151-S4

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889028

Reviewed By / Date :

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overali Qual*	Temp	HT	MB	LCS	MS	£ab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV CCV
Analysis Method : 8270D					Diluti	on: 1														
Benzo(g,h,i)perylene	344	:	ug/Kg	υ	YES						1		l	l]		[<u> </u>	1
Benzo(k)fluoranthene	344		ug/Kg	U	YES						i	l			<u> </u>					1
Bis(2-Chloroethoxy)methane	344		ug/Kg	ឋ	YES					1	ţ				1				1	<u> </u>
Bis(2-Chloroethyf)ether	344		ug/Kg	U	YES		ļ		l			ļ			1				<u>.</u>	<u> </u>
Bis(2-Chloroisopropyl)elher	344		ид/Кд	U	YES								ĺ						l	J
Bis(2-Ethylhexyl)phthalate	344		ug/Kg	U	YES		1												l	l
Bulyl benzyl phthalate	344		ug/Kg	U	YES															
Chrysene	344		ug/Kg	υ	YES														J	
Dibenz(a,h)anthracene	344		ug/Kg	υ	YES			, ,									1]	1
Dibenzofuran	344		ug/Kg	U	YES												1			1
Diethyl phihalate	344		ug/Kg	υ	YES												i		<u> </u>	1
Dimethyl phthalate	344		ug/Kg	U	YES		i I								1 1				l	l
Di-n-bulyi phthalate	344		ug/Kg	V	YES					l					l i				<u> </u>	
Di-n-octyl phthalate	344		ug/Kg	υ	YES		 												l	
Fluoranthene	344		ug/Kg	U	YES										1		1		1	
Fluorene	344		ug/Kg	U	YES										1 1		1			
Hexachlorobenzene	344		ug/Kg	U	YES										[]		į			
Hexachiorobutadiene	344	:	ug/Kg	U	YES												1		<u> </u>	l
Hexachlorocyclopentadiene	344		ug/Kg	U	YES		1								1					i
Hexachloroethane	344		ug/Kg	U	YFS		1								1	- 1				
Indeno(1,2,3-cd)pyrene	344		ug/Kg	U	YES										1	1				
Isophorone	344		ug/Kg	U	YES												I			
Naphthalene	344		ug/Kg	u ;	YES					Į									1	<u> </u>
Nilrobenzene	344		ug/Kg	U	YES					}										1
n-Nitrosodi-n-propylamine	344		ug/Kg	U	YES					}	-		1				1			1
Pentachlorophenol	344		ug/Kg	U	YE3	UJ	i			UJ]		1		1		}			1

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

Library Used: CampCarroll

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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: E11-151-S4

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889028

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty <i>i</i> 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	ıc	icv	CCV CCV
Analysis Method : 8270D					Diluti	on: 1								····	••••					
Phenanthrene	344		ug/Kg	U	YES				l	JJ	l				1		1 1		<u> </u>	<u> </u>
Phenol	344		ug/Kg	U	YES	:				1 1					<u> </u>				<u> </u>	11
Pyrene	344		ug/Kg	Ù	YES					1 3							1 1		1	

Project Number and Name:

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Library Used:

Report Date: 9/6/2011 09:53

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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 (1)

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date: 07/16/2011 Lab Sample ID: 31101889001 Analysis Type: RES

Sample Matrix: SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Resuit Units	Lab Qual		Overall Qual*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV
Analysis Method : 8260B					Dilutio	n: 1														
1,1,1,2-Tetrachtoroethane	5.00		ид/Кд	U	YES					l									1	
1,1,1-Trichloroethane	5.00		ug/Kg	U	YES								[1					1
1,1,2,2-Tetrachloroethane	5.00		ug/Kg	U	YES]	į				1					1
1,1,2-Trichloroethane	5.00		ug/Kg	U	YES					1					1 1		Į			ŀ
1,1-Dichloroethane	5,00		ug/Kg	U	YES	บว	1			l na							:			
1,1-Dichloroethene	5.00	;	ug/Kg	U	YES	ยร				UJ					1		1			1
1,1-Dichloropropene	5.00	;	ug/Kg	U	YES :							i								1
1,2,3-Trichlorobenzene	5.00		ug/Kg	U	YES		Ī				{ ;									1
1,2,3-Trichloropropane	5.00		ug/Kg	U	YES :	1	I				1				1					
1,2,4-Trichlorobenzene	5.00		ug/Kg	υ	YES												i			
1,2,4-Trimethylbenzene	5.00		ug/Kg	υ	YES										/		1			i
1,2-Dibromo-3-chloropropane	30.0		ug/Kg	U	YES															
1,2-Dibromoethane	5.00		ug/Kg	U	YES													******		
1,2-Dichlorobenzene	5.00		ug/Kg	υ	YES				1									.,,,,,,,,,		i
1,2-Dichloroethane	5.00		ид/Кд	U	YES		1													
1,2-Dichloropropane	5.00		ug/Kg	U	YES												į			1
1,3,5-Trimethylbenzene	5.00		ug/Kg	U	YES		1							i		1	-			
1,3-Dichlorobenzene	5.00		ug/Kg	U	YES :	1		ı	1				í			1	1			1
1,3-Dichloropropane	5.00		ug/Kg	υ	YES	}			1			1			1					1
1,4-Dichlorobenzene	5.00	i	ug/Kg	υ :	YES	i	1	1	1			1		-	1					
2,2-Dichloropropane	5,00		ug/Kg	u	YES		1	1	I	i		1				1	1			
2-Butanone	25.0		ug/Kg	U	YES	· · · · i		1	1	i				1		1	1			
2-Chlorotoluene	5.00		ug/Kg	U	YES			Ì	1		1					1	1			
2-Hexanone	12.5		ug/Kg	υ	YES	1		1	I		- 1	1	1			1	1			
4-Chlorotoluene	5.00		ид/Кд	υ	YES	1	1	1	1			1				١			-	- 1
1 Icopropylioluene	5.00		ug/Kg	U	YES		1			 		1				1	I			

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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: Trip Blank (1) Sample Date: 07/16/2011

Lab Report Batch: 31101889

Analysis Type: RES

Lab ID: SGSW

Sample Matrix: SO

Lab Sample ID: 31101889001

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CCV
Analysis Method : 8260B					Dilutio	n: 1														
4-Methyl-2-pentanone	12.5		ид/Кд	U	YES						T					***************************************	1			
Acetone	50.0		ug/Kg	U	YES	เกา				เม										1
Benzene	5.00		ug/Kg	υ	YES	i	1				}									1
Bromobenzene	5.00		ug/Kg	บ	YES :		1				 				1				1	
Bromochloromethane	5.00		ug/Kg	U	YES	į					 			*****	1					
Bromodichloromethane	5.00		ug/Kg	U	YES		1]				1				· · · · · · · · · · · · · · · · · · ·	
Bromoform	5.00		ug/Kg	U	YES		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								l i]	1
Bromomelhane	5.00		ug/Kg	U	YES		I										i		1	l
Carbon disulfide	5.00		ug/Kg	U	YES	ยม				UJ			,		1		1			1
Carbon tetrachloride	5.00		ug/Kg	Ų	YES		1								l i		1			
Chlorobenzene	5,00		ug/Kg	U	YES								i i			j				i
Chloroethane	5.00		ид/Кд	U	YES					i	,				}				1	1
Chloroform	5.00		ug/Kg	U	YES		1		1								1			(
Chloromelhane	5.00	;	ug/Kg	υ	YES				1											1
cis-1,2-Dichlorcethene	5.00	į	ug/Kg	Ų	YES	,			1						1		1			
cis-1,3-Dichloropropene	5.00		ug/Kg	U	YES		1	1			1					1	1			
Dibromochloromethane	5.00		ид/Кд	U	YES :		1	1								1				
Dibromomethane	5.00	;	ug/Kg	U ;	YES :			1			/					I				
Dichlorodifluoromethane	5.00		ug/Kg	U	YES :	1	1	1	1		1	Î	1	1	1					
Ethyl Benzene	5.00		ug/Kg	U	YES !	1	1	1	!		***	1	i	į		I	1			1
Hexachlorobutadiene	5.00	-	ug/Kg	U :	YES :			!	1	Į		1	1	F	1	1	}			. 1
Isopropylbenzene (Cumene)	5,00		ug/Kg	U Ì	YES			1	1	ĺ	i	Ī	1	ĺ			1		1	·······i
m.p-Xylene	10.0	1	ug/Kg	U	YES	1	Ī	I	1			Ī	1	1	1				1	Î
Methyl iodide	5.00		ug/Kg	U	YES		1	1				······i		1		i	1	ì	· 1	ì
Methylene chloride	3.72		ug/Kg	J	YES	J		1		J		1	· · · ·	1		ì)	i	·····i
Naphthalene	5.00	1	ug/Kg	U	YES	1	1	1	1	}		1	1	1) 			····i	1

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Library Used: CampCarroll

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Report Date: 9/6/2011 09:53

* 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 (1) Sample Date: 07/16/2011

Lab Report Batch: 31101889

Analysis Type: RES

Lab ID : SGSW

Sample Matrix : SO

Lab Sample ID: 31101889001

Reviewed By / Date :

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overati Qual*	Temp	нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist ToVDIs	Field QC	Tune	(C	icv	CCV
Analysis Method : 8260B					Diluti	on: 1			·											
n-Butylbenzene	5.00	-	ug/Kg	υ	YES	:	1	i	i	1	1	i			1					
n-Propylbenzene	5.00		ug/Kg	IJ	YES	:						1	l	 		ļ		 	1	i
o-Xylene	5.00	;	ид/Кд	U	YES							1				 		 	1	1
sec-Butylbenzene	5.00		ug/Kg	U	YES						ļ	 							1	1
Slyrene	5.00		ug/Kg	U	YES						[İ .					1
lert-Butyl methyl ether (MTBE)	5,00		ug/Kg	U	YES	UJ				UJ		· · · · · · · · · · · · · · · · · · ·		1						1
lert-Bulylbenzene	5.00		ug/Kg	U	YES									 	1					
Tetrachloroethene	1.39		ug/Kg	J	YES	: 1					1			[l	i
Toluene	5.00		ug/Kg	U	YES						1									1
trans-1,2-Dichloroethene	5.00	i i	ug/Kg	U	YES	UJ				UJ										1
trans-1,3-Dichtoropropene	5.00	,	ug/Kg	U	YES															
frans-1,4-Dichloro-2-butene	25.0		ug/Kg	U	YES		1													
Trichloroelhene	5.00		ug/Kg	υ	YES		1										i			
Frichlorofluoromethane	5.00		ug/Kg	U	YES		i							·	1		 			
Vinyl chloride	5.00		ug/Kg	U	YES	1	i													

Project Number and Name:

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

Library Used: CampCarroll

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Report Date: 9/6/2011 09:53 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)

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011 Lab Sample ID: 31101889019 Analysis Type: RES

Sample Matrix: SO

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Quai*		нт	мв	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	icv	CV/
Analysis Method : 8260E					Dilutio															
1,1,1,2-Telrachloroethane	5.00		ug/Kg	U	YES	IJ			1		Į UJ		1					1	1	T
1,1,1-Trichloroelhane	5.00		ug/Kg	Ŭ	YES			,	1	i	UJ		1				i	·	 	1
1,1,2,2-Tetrachloroethane	5.00		ug/Kg	U	YES	IJ			1		UJ	i		i			i		1	1
1,1,2-Trichloroethane	5.00		ид/Кд	U	YES	IJĴ					ŲJ	·····					i		1	İ
1,1-Dichloroethane	5.00		ug/Kg	U	YES	uJ					UJ						Ì		i	i
1,1-Dichloroethene	5,00		ug/Kg	U	YES	ี่ยู่ม					UJ		1						1	1
1,1-Dichloropropene	5.00		ug/Kg	U	YES -	บป					ŲJ	ļ	1				}			1
1,2,3-Trichlorobenzene	5.00		ug/Kg	Ų	YES	IJ		/		[UJ	······							i	1
1,2,3-Trichloropropane	5.00		ug/Kg	U	YES	UJ					UJ	· · · · · · · · · · · · · · · · · · ·			l (1		1	i
1,2,4-Trichlorobenzene	5.00		ug/Kg	U	YES	ÛΊ	1				UJ		[l i					
1,2,4-Trimethylbenzene	5.00		ug/Kg	U	YES	บป	1				UJ								I	1
1,2-Dibromo-3-chloropropane	30.0		ug/Kg	U	YES	UJ		I			ເນ				1				1	Ī
1,2-Dibromoethane	5.00		ug/Kg	U	YES	ŊĴ	1				UJ		[1	
1,2-Dichlorobenzene	5.00		ug/Kg	U	YES :	UJ !					มม									
1,2-Dichloroethane	5.00		ug/Kg	U	YES	ľŰ					Ų									l
1,2-Dichloropropane	5.00		ug/Kg	ט	YES	ΠJ	1]			UJ									
1,3,5-Trimethylbenzene	5.00	;	ug/Kg	บ	YES	IJ	1				UJ									
1,3-Dichlorobenzene	5.00	:	ид/Кд	U	YES	ยม		1			ŲJ		i i							1
1,3-Dichloropropane	5.00		ug/Kg	U	YES	UJ		1		1	ປປ									
1,4-Dichlorobenzene	5.00	ì	ug/Kg	U	YES	UJ	-	1	1		W									1
2,3-Dichlompropane	5.00		ng/Kg	u (YES	11.1	1				II.									1
2-Butanone	25.0		ug/Kg	U	YES	UJ	1	1	1		UJ	ļ					1			1
2-Chlorotoluene	5.00	1	ug/Kg	U	YES :	UJ	1	1		}	UJ]				I			1
2-Hexanone	12.5		ug/Kg	U	YES	UJ		I]		UJ	i	1							1
4-Chlorotoluene	5.00		ug/Kg	U	YES	UJ	- 1		1		UJ									1
4-Isopropylloluene	5.00	1	ид/Кд	Ų	YES	IJ	1	1		i	UJ	1				1	I			f

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

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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: Trip Blank (2)

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889019

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Qual*	Temp	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Tune	IC	ICA	CCV CCV
Analysis Method : 8260B					Dilutio	n: 1		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,										
4-Melhyl-2-penlanone	12.5		ug/Kg	U	YES :	ΩJ				1	UJ		1		l	 l		<u> </u>	<u> </u>
Acetone	50.0		ug/Kg	υ	YES	UJ				l	ŲJ					 <u> </u>		l	ļ
Benzene	5.00		ug/Kg	U	YES	IJ					UJ		l		1	 		<u> </u>	
Bromobenzene	5.00		ug/Kg	U	YES	IJ					ŰJ]	 		<u> </u>	1
Bromochloromethane	5.00		ug/Kg	U	YES ;	บม			l		ÜJ		·		1	 		<u> </u>	<u> </u>
Bromodichloromethane	5.00		ug/Kg	U	YES	เก					UJ		ļ		J	 		<u> </u>	<u> </u>
Bromoform	5.00		ug/Kg	U	YES	υJ					ŲJ				1	 l		<u> </u>	<u> </u>
Bromomethane	5.00		ug/Kg	U	YES	UJ					ŲJ				1	 		1	l
Carbon disulfide	5,00		ug/Kg	U	YES	UJ				IJ	ŲJ			l		 		l	ļ
Carbon tetrachloride	5.00		ug/Kg	U	YES	IJ					ŲĴ		1	l	[l	<u> </u>
Chlorobenzene	5.00		ид/Кд	Ü	YES	ยม	Ì				υJ					 		1	[
Chloroethane	5.00		ug/Kg	U	YES	UJ	1				υJ							1	
Chloreform	5.00	i	ug/Kg	υ	YES	Π٦					UJ		<u> </u>		1]			<u> </u>
Chloromelhane	5.00	ļ	ug/Kg	U	YES	UJ			<u> </u>		υJ				1	 			<u> </u>
cis-1,2-Dichloroethene	5.00	İ	ид/Ко	U	YES	UJ					UJ]]			l	
cis-1,3-Dichloropropene	5.00		ug/Kg	U	YES	UJ	1	J			UJ				1 1	 		l	
Dibromochloromethane	5.00		ug/Kg	U	YES	IJ	1				เก				1 1	 		l	ļ
Dibromomethane	5.00		ug/Kg	U	YES ?	IJ	- 1				เกา				1	 <u> </u>			l
Dichlorodifluoromethane	5.00		ug/Kg	U	YFS	เม	1			ĺ	UJ				l	 			
Fthyl Benzene	5.00		ug/Kg	U	YES	IJ	1		1	ļ	UJ				l	 		l	ļ †
Hexaultorobotadiene	5.00		ug/Kg	U	YEO	υJ	-	- 1		ļ	UJ		J		l	 ii		l	<u>.</u> 1
Isopropylbenzene (Cumene)	5.00		ug/Kg	u	YES	IJ	1	ıİ			UJ		1		lÌ				
m.p-Xylene	10.0	1	ug/Kg	U	YES)]	 		l	
Methyl lodide	5.00		ug/Kg	υ	YES	UJ		١		ŲJ	UJ								j
Methylene chloride	2.30		ug/Kg	J	YES	J					J		J						ı İ
Naphthalene	5.00	i	ид/Кд	U	YES	UJ	1]	1	i	UJ		1		1	Į			1

Project Number and Name:

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^{*} Overall recuit 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: Trip Blank (2)

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date: 07/17/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889019

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overali Qual*	Temp	HT	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	icv	CCV
Analysis Method : 8260B					Dilutio	n: 1														
n-Butylbenzene	5,00	i i	ug/Kg	U	YES	UJ	1		1	i	UJ		1		1		t	l		1
n-Propylbenzene	5.00	;	ug/Kg	Ü	YES	ĐIJ				l	UJ				1 1				f	1
o-Xylene	5.00		ug/Kg	U	YES	ยม			[UJ .		[1				1	1
sec-Bulylbenzene	5.00	;	ug/Kg	U	YES	UJ				1	เกา								1	1
Slyrene	5.00		ug/Kg	U	YES	UJ			1	1	UJ		1							
tert-Butyl methyl ether (MTBE)	5.00		ug/Kg	U	YES	UJ				1	ŲJ					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
tert-Butylbenzene	5.00		ug/Kg	υ	YES	ΠJ			1	1	UJ									
Tetrachloroethene	5.00		ug/Kg	υ	YES	ÛΊ					UJ									1
Toluene	5.00		ug/Kg	Ü	YES	UJ					UJ		ĺ							
trans-1,2-Dichloroethene	5.00		ug/Kg	U	YES	IJ					เกา				1					1
trans-1,3-Dichtoropropene	5.00	1	ug/Kg	U	YES	UJ					ŲJ		<u> </u>							
trans-1,4-Dichloro-2-butene	25.0		ug/Kg	U	YES					l										1
Trichtoroethene	5.00		ug/Kg	U	YES	IJ					UJ									
Trichlorofluoromethane	5.00		ид/Кд	U	YES	IJ	i				υJ						i i			1
Vinyl chloride	5.00	i i	ug/Kg	U	YES:	IJ					UJ				1					1

Project Number and Name:

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

Client Sample ID: Trip Blank (3)

Lab Report Batch: 31101889

Lab ID : SGSW

Sample Date: 07/16/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889032

Reviewed By / Date:

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual		Overall Quai*		нт	MB	LCS	MS	Lab Dup	Surr		Moist Tot/Dis		Tune	iC	ICV	CCV
Analysis Method : 8260B					Diluti	on: 1											***************************************	************	~	
1,1,1,2-Tetrachloroethane	5,00		ug/Kg	U	YES												1 1		1	1
1,1,1-Trichloroelhane	5,00		ug/Kg	U	YES							i					i i		1	1
1,1,2,2-Tetrachloroethane	5.00		ug/Kg	U	YES														l	1
1,1,2-Trichloroethane	5.00		ug/Kg	V	YES		1			i i										1
1,1-Dichloroethane	5.00		ug/Kg	υ	YES		1							[1					Ī
1,1-Dichloroethene	5.00	;	ug/Kg	υ	YES		I			1							İ		1	Ì
1,1-Dichloropropene	5.00		ug/Kg	υ	YES	j]				1	1
1,2,3-Trichlorobenzene	5.00		ug/Kg	U	YES														l	
1,2,3-Trichtoropropane	5.00		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	5.00		ug/Kg	U	YES		Ī							í			1		1	l
1,2,4-Trimelhylbenzene	5.00		ид/Кд	Ų	YES		Ì												1	l
1,2-Dibromo-3-chloropropane	30.0		ug/Kg	U	YES	!													l	1
1,2-Dibromoethane	5.00		ug/Kg	U	YES		1	1							l		1			1
1,2-Dichiorobenzene	5.00		ug/Kg	U	YES			1		1										1
1,2-Dichloroelhane	5.00		ug/Kg	Ų	YES	1]]					1
1,2-Dichloropropane	5.00		ug/Kg	U	YES:		1					ĺ					1			ĺ
1,3,5-Trimethylbenzene	5.00		ug/Kg	υ	YES		1	1			I		:			1	1			1
1,3-Dichlorobenzene	5.00		ug/Kg	υ	YES			1	1	1	1	i				i	1			1
1,3-Dichloropropane	5.00		ug/Kg	U	YES	1		1	1	1	1	1				Ì				
1,4-Dichlorobenzene	5.00		ug/Kg	U	YES	i	·····i	1		·····i	i					· · · · · · · · · · · · ·	······			
2,2 Dichleropropane	6.00		ug/Kg	υ	YEE			1	Ì		······					· · · · · · · · · · · ·	ì			
2-Butanone	25.0	1	ug/Kg	υ	YES		i.		i	1		i i				· · · · · · · · · ·				
2-Chloroloiuene	5.00	***************************************	ug/Kg	U	YES	1		ì	1	1		····i	1			· · · · · · · · · · · · · · · · · · ·	1			
2-Hexanone	12.5		ug/Kg	U	YES	1		······		·	i	i	1	<u>'</u>			· · · · · · · · · · · · · · · · · · ·			
I-Chlorotoluene	5.00		ug/Kg	U	YES		· · · · · · · · · · · · · · · · · · ·	ï	· · · · · · · · · · · · · · · · · · ·	i	i	·····i					i		· · · · · · · · ·	
I-Isopropyltoluene	5.00	***************************************	ug/Kg		YES	·····	· · · · · · · · · · · · · · · · · · ·	······	······	··········						د				

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: Trip Blank (3)

Lab Report Batch: 31101889

Lab ID: SGSW

Sample Date: 07/16/2011

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101889032

Reviewed By / Date :

Approved By / Date :

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	CCV
Analysis Method : 8260B					Diluti	on: 1									***********					
4-Methyl-2-pentanone	12.5	1	ug/Kg	U	YES		1			1	ļ			į				i	1	1
Acetone	50.0		ug/Kg	U	YES				[į								1	
Benzene	5.00		ug/Kg	U	YES	:					1				1				1	I
Bromobenzene	5.00		ug/Kg	υ	YES					1	-		i							1
Bromochloromethane	5.00		ug/Kg	U	YES	:				1		1	1						l	
Bromodichloromethane	5.00	:	ug/Kg	U	YES										1					
Bromoform	5.00	,	ug/Kg	Ų	YES				[
Bromomethane	5.00		ug/Kg	U	YES										1					1
Carbon disulfide	5.00		ug/Kg	υ	YES														1	1
Carbon telrachloride	5.00		ug/Kg	U	YES												1		1	1
Chlorobenzene	5.00		ug/Kg	U	YES								l				1		1	1
Chloroethane	5.00		ug/Kg	U	YES										1				<u></u>	
Chloroform	5.00		ид/Кд	U	YES		1						i		<u> </u>				<u></u>	1
Chloromethane	5.00		ug/Kg	U	YES	1	····												 	1
cis-1,2-Dichloroethene	5.00		ug/Kg	υ	YES					*	1									
cis-1,3-Dichloropropene	5.00		ug/Kg	υ	YES		1	1											[
Dibromochloromelhane	5.00		ug/Kg	U	YES		1	1				1					f			1
Dibromomethane	5.00		ug/Kg	U	YES		I						· · · · · · · · ·				· · · · · · · ·			i
Dichlorodifluoromethane	5.00	:	ug/Kg	U	YES							i							1	1
Ethyl Benzene	5.00		uq/Kg	υ	YES	· · · · · · · · · · · · · · · · · · ·		·····											1	i
Hoxaohlorobuladiono	5.00		ид/Кд	ម	YEC							i							i :	i
Isopropylbenzene (Cumene)	5.00		ug/Kg	U	YES	· · · · · · · · · · · · · · · · · · ·		i	· · · · · · · · · · · · · · · · · · ·			ï	· · · · · · · · · · · · · · · · · · ·				i			i
m,p-Xylene	10,0		ug/Kg	U	YES		· · · · i	i	· · · · · · · · · · · · · · · · · · ·	i	· · · · · · · · · · · · · · · · · · ·	i		······'						
Methyl lodide	5.00		ug/Kg	U	YES		·i	 	 	· · · · · · · · · · · · · · · · · · ·	· · · · · · · ·								i	
Methylene chloride	20,0		ug/Kg	U	YES		· · · · · · i	i i	·····		· · · · · · · · · · · · · · · · · · ·	1				· · · · · · · · · · · · · · · · · · ·				
Naphthalene	5.00		ug/Kg	Ų	YES	······		 I	i			ì		·····i					i	

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: Trip Blank (3)

Lab Report Batch: 31101889

Analysis Type: RES

Lab ID : SGSW

Sample Date: 07/16/2011 Lab Sample ID: 31101889032

Sample Matrix : SO

Reviewed By / Date :

Approved By / Date:

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overali Qual*	Тетр	нт	МВ	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Yune	IC	icv	CCV CCV
Analysis Method : 8260B	/				Diluti	on: 1														
n-Bulylbenzene	5.00	:	ug/Kg	U	YES		į į				}									1
n-Propylbenzene	5,00	;	ug/Kg	u	YES					1	i								i	[
o-Xylene	5.00		ug/Kg	U	YES	:	1				 	•			1				 	
sec-Bulylbenzene	5.00	:	ug/Kg	U	YES	:						}	i	 J	1				i	
Styrene	5.00		ug/Kg	ប	YES					}	;			}	1					
tert-Butyl methyl ether (MTBE)	5.00		ug/Kg	Ü	YES						;			}						
tert-Butylbenzene	5.00		ug/Kg	U	YES				1				1			,				1
Tetrachloroethene	5.00		ug/Kg	U	YES										i i				1	l
Toluene	5.00	1	ug/Kg	U	YES					Ì]	l		i i				1	1
trans-1,2-Dichloroethene	5.00	i i	ug/Kg	υ	YES										1				1	
trans-1,3-Dichloropropene	5.00		ug/Kg	U	YES						1			1	1				l	[
frans-1,4-Dichloro-2-bulene	25.0		ug/Kg	U	YES							<i></i>	[i		}			
Trichioroethene	5.00		ug/Kg	U	YES					i				 	[······			l
Trichlorofluoromethane	5.00		ug/Kg	ប	YES	: :									1					1
Vinyl chloride	5.00		ug/Kg	U	YES										1					

Project Number and Name:

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Library Used:

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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

APPENDIX 2 Automated Data Review Qualification Scheme and Definition of Flags

Qualification Summary for GC/MS Methods

		DAT	A QUALIF	IER FLAG	
QUALITY		Def	tects		
CONTROL ITEM	EVALUATION	Non Biased	Biased	Nondetects	SAMPLE(S) QUALIFIED
HOLDING TIMES (Extraction and Analysis)	Holding time exceeded by 2 times or less	j	J~	ΠΊ	Sample
Allalysis	Holding time exceeded by greater than 2 times	J	J-	R	
COOLER TEMPERATURE	1) > 6 and ≤10 degrees Centigrade	J	J-	ΠΊ	All samples shipped in the affected cooler (Shipping Batch)
	2) >10 degrees Centigrade	j	J-	R	, Daton)
	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	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	J	J	ΟΊ	
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	11.0 10 1 (1.1411 24161)
(1-17)	3) % Difference < -25% and ≥ - 50%	J	J-	UJ	
	4) % Difference < -50%	J	J-	R	
CONTINUING CALIBRATION	1) Average RRF < 0.05	J	J		All samples associated to the CCV (Analysis Batch)
	2) % Difference > +25%	J	J+	None	2 2 7 (r manyolo Batoli)
	3) % Difference < -25% and ≥ - 50%	J	J-	UJ	
	4) % Difference < -50%	J	J-	R	

Qualification Summary for GC/MS Methods

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

Qualification Summary for GC/MS Methods

		DAT	A QUALIF	IER FLAG	
QUALITY		Det	ects		
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
	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 Methods

		DAT	A QUALIF	IER FLAG	
QUALITY CONTROL	The state of the s		tects		
ITEM	EVALUATION	Non Biased	Biased	Nondetects	SAMPLE(S) QUALIFIED
HOLDING TIMES (Extraction and Analysis)	Holding time exceeded by 2 times or less	J	J.	UJ	Sample
Analysis)	Holding time exceeded by greater than 2 times	J	J-	R	
COOLER TEMPERATURE	1) > 6 and ≤10 degrees Centigrade	J	J-	UJ	All samples shipped in the affected cooler. (Shipping
		j	J-	R	Batch)
	2) >10 degrees Centigrade 3) < 2 degrees Centigrade	None	None	None	
INITIAL CALIBRATION	1) %RSD > 20%	J	j	υJ	All samples associated with
OALIBRATION	2) r < 0.995	J	J	Λ1	initial calibration (Run Batch)
INITIAL CALIBRATION	1) % Difference > +25%	J	J+	None	All samples associated with initial calibration verification
VERIFICATION (ICV)	2) % Difference < -25% and <u>></u> - 50%	J	J-	υJ	(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 ≥ - 50%	J	J-	UJ	(Analysis Batch)
	3) % Difference < -50%	J	J-	R	
METHOD BLANK CONTAMINATION	Common lab contaminant results less than or equal to 10 times the blank contamination	U	U	None	All samples in the same Preparation Batch
	Other compound results less than or equal to 5 times the blank contamination	IJ	U	None	
SURROGATE RECOVERY	1) % Recovery < CL but <u>></u> 10%	J	J-	UJ	Sample
	2) % Recovery <10%	J	J	R	T
	3) % Recovery > Ct.	ij	J+	None	

Qualification Summary for GC Methods

[1] a manufact (1) (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4		DATA QUALIFIER FLAG			
QUALITY		Detects		11-14-15-15-10), KIL-1	
CONTROL 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	J-	ΩĴ	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	Common lab contaminant results within 10 times blank contamination	U	U	None	All samples in the same sampling event
	Other lab contaminant results wilhin 5 times blank contamination	U	U	None	
TRIP BLANKS	Common lab contaminant results within 10 times blank contamination	U	Ü		All samples in the same Shipping Batch
	2) Other lab contaminant results within 5 times blank contamination	U	U	None	

Qualification Summary for Metals Methods

		DATA QUALIFIER FLAG		IER FLAG	
QUALITY		Detects			
CONTROL ITEM	EVALUATION	Non Biased	Biased	Nondetects	SAMPLE(S) QUALIFIED
HOLDING TIMES	Holding time exceeded by 2 times or less	J	J-	ΠΊ	Sample
	Holding time exceeded by greater than 2 times	J	J-	R	
INITIAL CALIBRATION	1) r < 0.995	J	J	ΠΊ	All samples associated with initial calibration (Run Batch)
INITIAL CALIBRATION VERIFICATION	1) % Recovery > 110% but ≤ 125% (Hg, % Recovery > 120% but ≤ 135%)	J	J+	None	All samples associated with initial calibration (Run Batch)
(ICV)	2) % Recovery > 125% (Hg, % Recovery > 135%)	R	R	None	
	3) % Recovery < 90% but ≥75% (Hg, % Recovery < 80% but ≥ 65%)	J	J-	UJ	
	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	
	3) % Recovery < 90% but ≥ 75% (Hg, % Recovery < 80% but ≥ 65%)	J	J-	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	None	All samples in the same Preparation Batch
MATRIX SPIKE RECOVERY	1) % Recovery < CL but ≥ 30%	J	J-	UJ	All samples in the same Method Batch
	2) % Recovery <30%	J	J-	R	
	3) % Recovery > CL	J	J+	None	
	4) RPD > CL	J	J	UJ	

Qualification Summary for Metals Methods

	EVALUATION	DATA QUALIFIER FLAG			
QUALITY CONTROL ITEM		Detects		The state of the s	
		Non Biased	Biased	Nondetects	SAMPLE(S) QUALIFIED
LABORATORY CONTROL SAMPLE RECOVERY	1) % Recovery < CL but <u>></u> 50%	J	J-	UJ	All samples in the same Preparation Batch
	2) % Recovery <50%	J	J-	R	Freparation batch
	3) % Recovery > CL	J	J+	None	
	4) RPD > CL	J	j	ΩJ	
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

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.
J	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.

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 ± 2 °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 5° and 6° C. There are no temperature discrepancies.

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.

LCS results for arsenic by method 6010 were out of control for both high recovery and poor precision. Associated samples have been J flagged as estimated and may be lower than reported.

Hexachlorocyclopentadiene LCS results for Method 8081 were unacceptably high (>2000% recovery) in all 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.

The Method 8260 LCS results for batch VXX1817 had multiple outliers for both recovery (high) and precision. Out of control analytes have been flagged as estimated. The Method 8260 LCS results for batchs VXX1829 and VXX1838 were good with only two instances each of slightly elevated precision.

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).

4.4'-DDT in method 8081 was found in the field sample E11-148-S2 and the MS/MSD results for this compound were outside control limits. Since other OC pesticides were within limits for the batch, this indicates that the pesticide is not evenly disbursed in samples and may be heterogeneous in the field. 4.4'-DDT does not need to be flagged.

The MS/MSD results for Method 8260, volatile organic analysis for batch VXX1829 had multiple outliers for both recovery and precision. There was no clear trend towards either high or low recoveries. The parent sample was uncontaminated. Out of control analytes have been flagged as estimated.

Hexachlorocyclopentadiene for Method 8270 MS/MSD was unacceptably high (>1900%) in all batches and results 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. Surrogates for several samples analyzed by Method 8081 were slightly below the lower acceptance limit which may indicate a matrix interference. Outliers for Method 8260 were only slightly outside the acceptance limits.

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: 31101915

Date:

7 September 2011

Validator:

US Army Engineer 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.

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 3° and 4° C. There were no temperature discrepancies and sample preservation was acceptable.

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 (>1900% 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.

LCS/LCS duplicate results for Method 8151 had acceptable recovery but precision was affected since the relative percent difference for the replicate analyses was outside control limits. Marginal precision would affect the reliability of reported results but none of the samples reported detectable target analytes.

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).

As with the LCS/LCS duplicate results for Method 8151, the MS/MSD had acceptable recovery but precision was affected since the relative percent difference for the replicate analyses was outside control limits. Since none of the samples reported detectable target analytes, the J flag only affects the sample reporting limit.

The MS/MSD results for Method 8260, volatile organic analysis for batch VXX1839 had multiple outliers with no clear trend towards either high or low recoveries. The parent sample was uncontaminated and there were no corresponding issues with the LCS samples analyzed in the same batch. Out of control analytes have been flagged as estimated.

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. Outliers are shown in the Surrogate Outlier Recovery Report in Appendix 1.

The surrogate results for Method 8260 for eight of the samples and the MS/MSD had slightly high recoveries for one surrogate (1,2-Dichloroethane-d4). Since the MS/MSD spike recoveries were also variable but the LCS results were in control, it is likely that there was matrix interference for some of the samples in this batch. Samples have been flagged and any samples with detectable results should be considered as estimated.

APPENDIX 1 Automated Data Review Results

Summary Report by Analysis Method

Laboratory Report	ing Batch: 31	101915		Laboratory :	sgsw		Lab I	Lab Report Date :		
Analysis Method Cli	ent Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date	
6010C	sautha na 1911.			striitek et itt		allentals.	en talaşı seleni	rashka kung	aga, kakata	
E1	1-138-S1	31101915029	RES	3050B	so	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
E1*	1-138-\$2	31101915030		3050B	so	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
£1 ⁻	1-139-S1	31101915026		3050B	so	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
E1:	1-139-S2	31101915027		3050B	so	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
E1	1-139-S3	31101915028		3050B	so	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
E1*	1-143-S3	31101915023		30508	so	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
E11	1-144-S1	31101915024		3050B	so	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
£11	1-144-S2	31101915025		3050B	so	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
£11	1-149-S1	31101915002		3050B	so	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
E11	1-149-S2	31101915003		3050B	so	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
E11	1-149-S3	31101915006		3050B	so	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
E11	1-150-\$1	31101915016		3050B	so	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
E11	1-150-S2	31101915017		3050B	so	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
	1-150-S3	31101915018		3050B	so	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
	1-150-\$4	31101915021		30508	SO	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
************************	1-152-S1	31101915007		3050B	so	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
	1-152-S2	31101915008		3050B	SO	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
	1-152-S3	31101915009		3050B	SO	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
	1-153-S1	31101915010		3050B	SO	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
	I-153-S2	31101915011		3050B	SO	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
	I-153-S3	31101915012		3050B	SO	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
	I-153-S4	31101915015		3050B	SO	07/18/2011	07/11/2011	07/22/2011	07/25/2011	
7471B	v								10.000.0000.000	
	-138-S1	31101915029	RES	7471B	so	07/18/2011	07/11/2011	07/26/2011	07/26/2011	
	-138-S2	31101915030		7471B	so	07/18/2011	07/11/2011	07/26/2011	07/26/2011	
	-139-51	31101915026		747 IB	SO	07/18/2011	07/11/2011	07/26/2011	07/26/2011	
	-139-S2	31101915027		7471B	so	07/18/2011	07/11/2011	07/26/2011	07/26/2011	
***	-139-S3	31101915028		7471B	so	07/18/2011	07/11/2011	07/26/2011	07/26/2011	
	-143-S3	31101915023		74718	so	07/18/2011	07/11/2011	07/26/2011	07/26/2011	
**********	-144-S1	31101915024		7471B	so	07/18/2011	07/11/2011	07/26/2011	07/26/2011	

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

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boratory Reporting Batch: 31	boratory Reporting Batch: 31101915			Laboratory : SGSW			Lab Report Date :		
Analysis Method Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Алаlysis Date	
E11-144-S2	31101915025	RES	7471B	so	07/18/2011	07/11/2011	07/26/2011	07/26/2011	
E11-149-S1	31101915002		7471B	so	07/18/2011	07/11/2011	07/25/2011	07/25/2011	
E11-149-S2	31101915003		7471B	so	07/18/2011	07/11/2011	07/25/2011	07/25/2011	
E11-149-S3	31101915006		7471B	SO	07/18/2011	07/11/2011	07/25/2011	07/25/2011	
E11-150-S1	31101915016	·	74718	so	07/18/2011	07/11/2011	07/26/2011	07/26/2011	
E11-150-S2	31101915017		7471B	so	07/18/2011	07/11/2011	07/26/2011	07/26/2011	
E11-150-S3	31101915018		7471B	so	07/18/2011	07/11/2011	07/26/2011	07/26/2011	
E11-150-S4	31101915021		7471B	so	07/18/2011	07/11/2011	07/26/2011	07/26/2011	
E11-152-S1	31101915007		7471B	\$0	07/18/2011	07/11/2011	07/25/2011	07/25/2011	
E11-152-\$2	31101915008		74718	so	07/18/2011	07/11/2011	07/25/2011	07/25/2011	
E11-152-S3	31101915009		7471B	\$O	07/18/2011	07/11/2011	07/26/2011	07/26/2011	
E11-153-S1	31101915010		7471B	so	07/18/2011	07/11/2011	07/26/2011	07/26/2011	
E11-153-S2	31101915011		7471B	so	07/18/2011	07/11/2011	07/26/2011	07/26/2011	
E11-153-S3	31101915012		7471B	so	07/18/2011	07/11/2011	07/26/2011	07/26/2011	
E11-153-S4	31101915015		7471B	so	07/18/2011	07/11/2011	07/26/2011	07/26/2011	
981									
E11-138-S1	31101915029	RES	3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011	
			3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011	
E11-138-S2	31101915030		3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011	
		* * * * * * * * * * * * * * * * * * * *	3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011	
E11-139-S1	31101915026		3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011	
			3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011	
E11-139-S2	31101915027		3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011	
		• • • • • • • • • • • • • • • • • • • •	3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011	
E11-139-S3	31101915028		3541	şo	07/18/2011	07/11/2011	07/23/2011	07/29/2011	
			3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011	
E11-143-S3	31101915023		3541	so	07/18/2011	07/11/2011	0//23/2011	07/29/2011	
			3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011	
E11-144-S1	31101915024		3541	so	07/18/2011	07/11/2011	07/23/2011	08/01/2011	
			3541	so	07/18/2011	07/11/2011	07/23/2011	08/01/2011	

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

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Report Date: 9/1/2011 18:13

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aboratory Reporting Batch :	31101915		Laboratory : SGSW			Lab I	: 08/22/2011	
Analysis Method Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
E11-144-S2	31101915025	RES	3541	so	07/18/2011	07/11/2011	07/23/2011	08/01/2011
***************************************			3541	so	07/18/2011	07/11/2011	07/23/2011	08/01/2011
E11-149-S1	31101915002	DL	3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011
	***************************************	.,,,,,,,	3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011
E11-149-S2	31101915003	RES	3541	so	07/18/2011	07/11/2011	07/23/2011	07/27/2011
			3541	so	07/18/2011	07/11/2011	07/23/2011	07/27/2011
E11-149-S3	31101915006		3541	so	07/18/2011	07/11/2011	07/23/2011	07/27/2011
			3541	so	07/18/2011	07/11/2011	07/23/2011	07/27/2011
E11-150-S1	31101915016		3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011
			3541	\$O	07/18/2011	07/11/2011	07/23/2011	07/29/2011
E11-150-S2	31101915017		3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011
·			3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011
E11-150-S3	31101915018		3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011
			3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011
E11-150-S4	31101915021		3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011
			3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011
E11-152-S1	31101915007		3541	so	07/18/2011	07/11/2011	07/23/2011	07/27/2011
			3541	so	07/18/2011	07/11/2011	07/23/2011	07/27/2011
E11-152-S2	31101915008		3541	so	07/18/2011	07/11/2011	07/23/2011	07/27/2011
E11-152-S3	31101915009		3541	so	07/18/2011	07/11/2011	07/23/2011	07/27/2011
E11-153-S1	31101915010	DL	3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011
			3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011
E11-153-S2	31101915011	RES	3541	so	07/18/2011	07/11/2011	07/23/2011	07/27/2011
		***************************************	3541	so	07/18/2011	07/11/2011	07/23/2011	07/27/2011
E11-153-S3	31101915012	**********************	3541	so	07/18/2011	07/11/2011	07/23/2011	07/29/2011
			3541	SO	07/18/2011	07/11/2011	07/23/2011	07/29/2011
E11-153-S4	31101915015		3541	SO	07/18/2011	0//11/2011	07/23/2011	07/29/2011
			3541	SO	07/18/2011	07/11/2011	07/23/2011	07/29/2011
151								
E11-138-S1	31101915029	RES	3541	so	07/18/2011	07/11/2011	08/01/2011	08/03/2011

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aboratory Reporting Batch: 31	poratory Reporting Batch: 31101915			Laboratory : SGSW			Lab Report Date : 08/22/2		
Analysis Method Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date	
E11-138-\$1	31101915029	RES	3541	80	07/18/2011	07/11/2011	08/01/2011	08/02/2011	
E11-138-S2	31101915030		3541	so	07/18/2011	07/11/2011	07/28/2011	07/30/2011	
			3541	so	07/18/2011	07/11/2011	07/28/2011	07/30/2011	
E11-139-S1	31101915026		3541	so	07/18/2011	07/11/2011	07/31/2011	08/02/2011	
	*		3541	SO	07/18/2011	07/11/2011	07/31/2011	08/02/2011	
E11-139-S2	31101915027		3541	so	07/18/2011	07/11/2011	07/31/2011	08/02/2011	
		,	3541	\$O	07/18/2011	07/11/2011	07/31/2011	08/02/2011	
E11-139-S3	31101915028		3541	so	07/18/2011	07/11/2011	08/01/2011	08/02/2011	
• • • • • • • • • • • • • • • • • • • •			3541	so	07/18/2011	07/11/2011	08/01/2011	08/02/2011	
E11-143-S3	31101915023		3541	SO	07/18/2011	07/11/2011	07/24/2011	07/30/2011	
			3541	so	07/18/2011	07/11/2011	07/24/2011	07/30/2011	
E11-144-S1	31101915024	*********	3541	SO	07/18/2011	07/11/2011	07/31/2011	08/02/2011	
			3541	SO	07/18/2011	07/11/2011	07/31/2011	08/02/2011	
E11-144-S2	31101915025		3541	SO	07/18/2011	07/11/2011	07/31/2011	08/02/2011	
L. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			3541	SO SO	07/18/2011	07/11/2011	07/31/2011	08/02/2011	
E11-149-S1	31101915002		3541	so	07/18/2011	07/11/2011	07/24/2011	07/28/2011	
L11-340-01	31101010002		3541	so	07/18/2011	07/11/2011	07/24/2011	07/28/2011	
E11-149-S2	31101915003		3541	so	07/18/2011	07/11/2011	07/24/2011	07/28/2011	
E11-145-52	31101913003		3541	so	07/18/2011	07/11/2011	07/24/2011	07/28/2011	
E11-149-S3	31101915006		3541	so	07/18/2011	07/11/2011	07/24/2011	07/28/2011	
E11-149-00	31101910000		3541	so	07/18/2011	07/11/2011	07/24/2011	07/28/2011	
E44 450 C4	24404046046		3541	so	07/18/2011	07/11/2011	07/24/2011	07/30/2011	
E11-150-S1	31101915016			,-,	07/18/2011	07/11/2011	07/24/2011	07/30/2011	
			3541	SO			07/24/2011	,	
E11-150-S2	31101915017		3541	so	07/18/2011	07/11/2011		07/30/2011	
			3541	so	07/18/2011	07/11/2011	07/24/2011	07/30/2011	
E11-150-S3	31101915018	.,	3541	80	07/18/2011	07/11/2011	07/24/2011	07/30/2011	
			3541	รบ	07/18/2011	0//11/2011	0//24/2011	0//30/2011	
E11-150-S4	31101915021		3541	\$0	07/18/2011	07/11/2011	07/31/2011	08/02/2011	
			3541	80	07/18/2011	07/11/2011	07/31/2011	08/02/2011	
E11-152-S1	31101915007		3541	\$O	07/18/2011	07/11/2011	07/24/2011	07/30/2011	

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boratory Rep	orting Batch: 31	boratory Reporting Batch: 31101915			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	
	E11-152-\$2	31101915008	RES	3541	so	07/18/2011	07/11/2011	07/24/2011	07/30/2011	
	E11-152-S3	31101915009		3541	so	07/18/2011	07/11/2011	07/24/2011	07/30/2011	
	E11-153-S1	31101915010		3541	so	07/18/2011	07/11/2011	07/24/2011	07/30/2011	
/	E11-153-S2	31101915011		3541	so	07/18/2011	07/11/2011	07/24/2011	07/30/2011	
	E11-153-S3	31101915012		3541	so	07/18/2011	07/11/2011	07/24/2011	07/30/2011	
				3541	so	07/18/2011	07/11/2011	07/24/2011	07/30/2011	
	E11-153-S4	31101915015		3541	so	07/18/2011	07/11/2011	07/24/2011	07/30/2011	
				3541	so	07/18/2011	07/11/2011	07/24/2011	07/30/2011	
3260B					4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.					
	E11-138-S1	31101915029	RES	5035	so	07/18/2011	07/11/2011	07/29/2011	07/29/2011	
	E11-138-S2	31101915030	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	5035	SO	07/18/2011	07/11/2011	07/27/2011	07/27/2011	
	E11-139-S1	31101915026		5035	so	07/18/2011	07/11/2011	07/27/2011	07/27/2011	
	E11-139-\$2	31101915027		5035	so	07/18/2011	07/11/2011	07/27/2011	07/27/2011	
	E11-139-S3	31101915028		5035	so	07/18/2011	07/11/2011	07/27/2011	07/27/2011	
	E11-143-S3	31101915023		5035	so	07/18/2011	07/11/2011	07/27/2011	07/27/2011	
	E11-144-S1	31101915024		5035	so	07/18/2011	07/11/2011	07/27/2011	07/27/2011	
	E11-144-S2	31101915025		5035	so	07/18/2011	07/11/2011	07/27/2011	07/27/2011	
	E11-149-S1	31101915002		5035	so	07/18/2011	07/11/2011	07/27/2011	07/27/2011	
	E11-149-\$2	31101915003		5035	so	07/18/2011	07/11/2011	07/27/2011	07/27/2011	
	E11-149-S3	31101915006		5035	so	07/18/2011	07/11/2011	07/27/2011	07/27/2011	
	E11-150-S1	31101915016		5035	so	07/18/2011	07/11/2011	07/27/2011	07/27/2011	
	E11-150-S2	31101915017		5035	so	07/18/2011	07/11/2011	07/27/2011	07/27/2011	
	E11-150-S3	31101915018		5035	so	07/18/2011	07/11/2011	07/27/2011	07/27/2011	
	E11-150-S4	31101915021		5035	so	07/18/2011	07/11/2011	07/27/2011	07/27/2011	
	E11-152-S1	31101915007		5035	so	07/18/2011	07/11/2011	07/27/2011	07/27/2011	
	E11-152-S2	31101915008		5035	so	07/18/2011	07/11/2011	07/27/2011	07/27/2011	
	E11-152-S3	31101915009		5035	so	07/18/2011	07/11/2011	07/2//2011	07/27/2011	
	E11-153-S1	31101915010		5035	SO	07/18/2011	07/11/2011	07/27/2011	07/27/2011	
	E11-153-S2	31101915011		5035	SO	07/18/2011	07/11/2011	07/27/2011	07/27/2011	
	F11-153-S3	31101915012		5035	SO	07/18/2011	07/11/2011	07/27/2011	07/27/2011	

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aboratory Reporting Batch: 31101915			Laboratory : 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
	E11-153-S4	31101915015	RES	5035	so	07/18/2011	07/11/2011	07/27/2011	07/27/2011
	Trip Blank (1)	31101915001		5035	so	07/18/2011	07/11/2011	07/27/2011	07/27/2011
	Trip Blank (2)	31101915022		5035	so	07/18/2011	07/11/2011	07/27/2011	07/27/2011
3270D									
	E11-138-S1	31101915029	RES	3541	so	07/18/2011	07/11/2011	07/22/2011	07/28/2011
	E11-138-S2	31101915030		3541	so	07/18/2011	07/11/2011	07/22/2011	07/28/2011
	E11-139-S1	31101915026		3541	so	07/18/2011	07/11/2011	07/22/2011	07/28/2011
	E11-139-S2	31101915027	***************************************	3541	so	07/18/2011	07/11/2011	07/22/2011	07/28/2011
	E11-139-S3	31101915028	***************************************	3541	SO	07/18/2011	07/11/2011	07/22/2011	07/28/2011
	E11-143-S3	31101915023	************************	3541	so	07/18/2011	07/11/2011	07/22/2011	07/26/2011
	E11-144-S1	31101915024	***************************************	3541	SO	07/18/2011	07/11/2011	07/22/2011	07/26/2011
***************************************	E11-144-S2	31101915025	•••••	3541	SO	07/18/2011	07/11/2011	07/22/2011	07/28/2011
	E11-149-S1	31101915002		3541	SO	07/18/2011	07/11/2011	07/22/2011	07/25/2011
	E11-149-S2	31101915003		3541	SO	07/18/2011	07/11/2011	07/22/2011	07/25/2011
	E11-149-S3	31101915006		3541	\$O	07/18/2011	07/11/2011	07/22/2011	07/25/2011
	E11-150-S1	31101915016		3541	so	07/18/2011	07/11/2011	07/22/2011	07/26/2011
	E11-150-S2	31101915017	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3541	so	07/18/2011	07/11/2011	07/22/2011	07/26/2011
	E11-150-\$3	31101915018		3541	so	07/18/2011	07/11/2011	07/22/2011	07/26/2011
	E11-150-S4	31101915021		3541	so	07/18/2011	07/11/2011	07/22/2011	07/26/2011
	E11-152-S1	31101915007		3541	so	07/18/2011	07/11/2011	07/22/2011	07/25/2011
	E11-152-S2	31101915008		3541	so	07/18/2011	07/11/2011	07/22/2011	07/25/2011
	E11-152-\$3	31101915009		3541	so	07/18/2011	07/11/2011	07/22/2011	07/26/2011
	E11-153-S1	31101915010		3541	so	07/18/2011	07/11/2011	07/22/2011	07/26/2011
	E11-153-\$2	31101915011	***************************************	3541	so	07/18/2011	07/11/2011	07/22/2011	07/26/2011
	E11-153-\$3	31101915012		3541	so	07/18/2011	07/11/2011	07/27/2011	07/28/2011
	E11-153-S4	31101915015		3541	SO	07/18/2011	07/11/2011	07/27/2011	07/28/2011

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Method Batch: VXX1838

Analysis Method: 8260B

Analysis Date: 07/27/2011

Preparation Batch: VXX1838

Preparation Type: 5035

Preparation Date: 07/27/2011

Lab Reporting Batch: 31101915

Lab ID: SGSW

		Reported	Project Limits (Percen			ent)		
LCS Lab Sample ID	Matrix	Analyte Name	Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
32581	so	Bromomethane	134	13	10.00	75.00	125.00	20.00
		trans-1,2-Dichloroethene	107	22	10.00	75.00	125.00	20.00

Asso	Associated Samples						
Client Sample ID	Lab Sample ID						
E11-138-S2	31101915030						
E11-138-S2	31101915030						
E11-139-S1	31101915026						
E11-139-S1	31101915026						
E11-139-S2	31101915027						
E11-139-S2	31101915027						
E11-139-S3	31101915028						
E11-139-S3	31101915028						
E11-144-S1	31101915024						
E11-144-S1	31101915024						
E11-144-S2	31101915025						
E11-144-S2	31101915025						

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Method Batch: VXX1839

Analysis Method: 8260B

Analysis Date: 07/27/2011

Preparation Batch: VXX1839

Preparation Type: 5035

Lab Reporting Batch: 31101915

Preparation Date: 07/27/2011

			Reported Values	Project Limits (Percent)			ent)
LCS Lab Sample ID	Matrix	Analyte Name	Percent Recovery RPD	Rejection Point	Lower Limit	Upper Limit	RPD
32583	so	Acetone	133	10.00	75.00	125.00	20.00

Lab ID: SGSW

	Associated Samples	14.1
Client Sample ID	Lab Sample ID	
E11-143-S3	31101915023	
E11-143-S3	31101915023	
E11-149-S1	31101915002	
E11-149-S1	31101915002	
E11-149-S2	31101915003	
E11-149-S2	31101915003	
E11-149-S3	31101915006	
E11-149-S3	31101915006	
E11-150-S1	31101915016	
E11-150-S1	31101915016	
E11-150-S2	31101915017	
E11-150-S2	31101915017	
E11-150-S3	31101915018	
E11-150-S3	31101915018	
E11-150-S4	31101915021	
E11-150-S4	31101915021	
E11-152-S1	31101915007	
E11-152-S1	31101915007	
E11-152-S2	31101915008	
E11-152-\$2	31101915008	
E11-152-S3	31101915009	
E11-152-S3	31101915009	
E11-153-S1	31101915010	
E11-153-S1	31101915010	
E11-153-S2	31101915011	
E11-153-S2	31101915011	
E11-153-S3	31101915012	
E11-153-S3	31101915012	
E11-153-S4	31101915015	
E11-153-S4	31101915015	
Trip Blank (1)	31101915001	
Trip Blank (1)	31101915001	
Trip Blank (2)	31101915022	
Trip Blank (2)	31101915022	

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

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Method Batch: VXX1852

Analysis Method: 8260B

Analysis Date: 07/29/2011

Preparation Batch: VXX1852

Preparation Type: 5035

Preparation Date: 07/29/2011

Lab Reporting Batch: 31101915

Lab ID: SGSW

			Reported Values	Proje	Project Limits		ent)
LCS Lab Sample ID	Matrix	Analyte Name	Percent Recovery RPD	Rejection Point	Lower Limit	Upper Limit	RPD
32954	SO	Dichlorodifluoromethane	132	i 10.00	75.00	125.00	20.00

Asso	ociated Samples
Client Sample ID	Lab Sample ID
E11-138-S1	31101915029
E11-138-S1	31101915029

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

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Method Batch: XXX1570

Analysis Method: 8270D

Analysis Date: 07/25/2011

Preparation Batch: XXX1570

Preparation Type: 3541

Preparation Date: 07/22/2011

Lab Reporting Batch: 31101915

Lab ID: SGSW

			Reported Values		Project Limits		(Percent)	
LCS Lab Sample ID	Matrix	Analyte Name	Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
32260	so	Hexachlorocyclopentadiene	2158		10.00	55.00	250.00	60.00
		Pentachlorophenol	70		10.00	75.00	120.00	60.00

Asso	ociated Samples	
Client Sample ID	Lab Sample ID	
E11-149-S1	31101915002	
E11-149-S1	31101915002	
E11-149-S2	31101915003	
E11-149-S2	31101915003	
E11-149-S3	31101915006	
E11-149-S3	31101915006	
E11-152-S1	31101915007	l
E11-152-S1	31101915007	
E11-152-S2	31101915008	ĺ
E11-152-S2	31101915008	
E11-152-\$3	31101915009	
E11-152-S3	31101915009	1
E11-153-S1	31101915010	
E11-153-S1	31101915010	ŀ
E11-153-S2	31101915011	
E11-153-S2	31101915011	

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Method Batch: XXX1571
Preparation Batch: XXX1571

Analysis Method: 8270D Preparation Type: 3541 Analysis Date: 07/25/2011

Lab Reporting Batch: 31101915

Lab ID: SGSW

Preparation Date: 07/22/2011

			Reported Values	Project Limits (Percent)			
LCS Lab Sample ID	Matrix	Analyte Name	Percent Recovery RPD	Rejection Point	Lower Limit	Upper Limit	RPD
32262	so	Hexachlorocyclopentadiene	2276	10.00	55.00	250.00	60.00
		Pentachlorophenol	70	10.00	75.00	120.00	60.00

Ass	sociated Samples
Client Sample ID	Lab Sample ID
E11-138-S1	31101915029
E11-138-S1	31101915029
E11-138-S2	31101915030
E11-138-S2	31101915030
E11-139-S1	31101915026
E11-139-S1	31101915026
E11-139-S2	31101915027
E11-139-S2	31101915027
E11-139-S3	31101915028
E11-139-S3	31101915028
E11-143-S3	31101915023
E11-143-S3	31101915023
E11-144-S1	31101915024
E11-144-S1	31101915024
E11-144-S2	31101915025
E11-144-S2	31101915025
E11-150-S1	31101915016
E11-150-S1	31101915016
E11-150-S2	31101915017
E11-150-S2	31101915017
E11-150-S3	31101915018
E11-150-S3	31101915018
E11-150-S4	31101915021
E11-150-S4	31101915021

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Method Batch: XXX1589

Analysis Method: 8270D

Analysis Date: 07/28/2011

Preparation Batch: XXX1589

Preparation Type: 3541

Preparation Date: 07/27/2011

Lab Reporting Batch: 31101915

Lab ID: SGSW

			Reported Values		Project Limits		(Perce	nt)
LCS Lab Sample ID	Matrix	Analyte Name	Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
32776	so	Hexachlorocyclopentadiene	1946		10.00	55.00	250.00	60.00
		Pentachlorophenol	66		10.00	75.00	120.00	60.00

Associated Samples							
Client Sample ID	Lab Sample ID						
E11-153-S3	31101915012						
E11-153-S3	31101915012						
E11-153-S4	31101915015						
E11-153-S4	31101915015						

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

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Method Batch: XXX1605 Preparation Batch: XXX1605

Analysis Method: 8151 Preparation Type: 3541

Analysis Date: 08/02/2011 Preparation Date: 07/31/2011

Lab Reporting Batch: 31101915

Lab ID: SGSW

LCS Lab Sample ID		Analyte Name	Reported \	Reported Values		Project Limits (Percent)		
	Matrix		Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
33336	so	2,4,5-T	56	36	5.00	5.00	115.00	30.00
		2,4,5-T	56	36	5.00	5.00	115.00	30.00
		2,4'-D	54	32	5.00	25.00	115.00	25.00
		2,4'-D	54	32	5.00	25.00	115.00	25.00
		2,4-DB	24	94	5.00	18.00	115.00	30.00
		2,4-DB	24	94	5.00	18.00	115.00	30.00
		Dicamba	61	31	5.00	25.00	115.00	25.00
		Dicamba	61	31	5.00	25.00	115.00	25.00

Asso	ociated Samples	
Client Sample ID	Lab Sample ID	
E11-139-S1	31101915026	
E11-139-S1	31101915026	
E11-139-S2	31101915027	
E11-139-S2	31101915027	
E11-144-S1	31101915024	
E11-144-S1	31101915024	
E11-144-S2	31101915025	
E11-144-S2	31101915025	
E11-150-S4	31101915021	
E11-150-S4	31101915021	

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

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Method Batch : XXX1613

Analysis Method: 8151

Analysis Date: 08/02/2011

Preparation Batch: XXX1613

Preparation Type: 3541

Preparation Date: 08/01/2011

Lab Reporting Batch: 31101915

Lab ID: SGSW

			Repor	Reported Values		Project Limits (Percent		
LCS Lab Sample ID	Matrix	Analyte Name	Perce Recov		Rejection Point	Lower Limit	Upper Limit	RPD
33612	so	2,4-DB	92	57	5.00	18.00	115.00	30.00
		2,4-DB	92	57	5.00	18.00	115.00	30.00

Associated Samples							
Client Sample ID	Lab Sample ID						
E11-138-S1	31101915029						
E11-138-S1	31101915029						
E11-139-S3	31101915028						
E11-139-S3	31101915028						

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

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Method Batch : MXX1381

Analysis Method: 6010C

Analysis Date: 07/25/2011

Preparation Batch: MXX1381

Preparation Type: 3050B

Preparation Date: 07/22/2011

Lab Reporting Batch: 31101915

Lab ID: SGSW

				Reported *	Project Limits (Percent)			1t)
Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Percent Recovery RPE	Rejection Point**	Lower Limit	Upper Limit	RPD
31101915003MSD	31101915005	SO	Barium	74	30.00	75.00	125.00	25.00
			Lead	72	30.00	75.00	125.00	25.00

Associated Samples: Al	samples in Method Batch	
Client Sample ID	Lab Sample ID	
E11-143-S3	31101915023	
E11-144-S1	31101915024	
E11-144-S2	31101915025	
E11-149-S1	31101915002	
E11-149-S2	31101915003	
E11-149-S3	31101915006	
E11-150-S1	31101915016	
E11-150-S2	31101915017	
E11-150-S4	31101915021	
E11-152-S1	31101915007	
E11-152-S2	31101915008	
E11-152-S3	31101915009	
E11-153-S1	31101915010	
E11-153-S2	31101915011	
E11-153-S3	31101915012	
E11-153-S4	31101915015	

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^{*} Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

^{**} Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Method Batch: VXX1839

Analysis Method: 8260B

Analysis Date: 07/27/2011

Preparation Batch: VXX1839

Preparation Type: 5035

Preparation Date: 07/27/2011

Lab Reporting Batch: 31101915

Lab ID: SGSW

		Matrix Analyte Name	Reporte	ed *	Project Limits (Percent)			nt)	
Client Sample ID	Lab Sample ID		Analyte Name	Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPE
31101915003MS	31101915004	so	1,1,2,2-Tetrachloroethane	135		10.00	70.00	130.00	20.0
		1,2,3-Trichloropropane	146		10.00	70.00	130.00	20.0	
		1,2-Dibromo-3-chloropropane	171		10.00	70.00	130.00	20.00	
		2-Butanone	160		10.00	70.00	130.00	20.0	
		2-Hexanone	160	***	10.00	70.00	130.00	20.0	
		4-Methyl-2-pentanone	186		10.00	70.00	130.00	20.0	
			Hexachlorobutadiene	68		10.00	70.00	130.00	20.0
			Styrene	63		10.00	70.00	130.00	20.0
			Trichlorofluoromethane	68		10.00	70.00	130.00	20.0
31101915003MSD 31101915005	31101915005		1,1,2,2-Tetrachloroethane	133		10.00	70.00	130.00	20.0
			1,2,3-Trichloropropane	146		10.00	70.00	130.00	20.0
			1,2,4-Trichlorobenzene	62	.,.,	10.00	70.00	130.00	20.00
			1,2,4-Trimethylbenzene	68		10.00	70.00	130.00	20.00
			1,2-Dibromo-3-chloropropane	178		10.00	70.00	130.00	20.00
			2-Butanone	188		10.00	70.00	130.00	20.00
			2-Hexanone	174		10.00	70.00	130.00	20.00
			4-Methyl-2-pentanone	189		10.00	70.00	130.00	20.00
			Acetone	157	25	10.00	70.00	130.00	20.00
			Hexachlorobutadiene	61		10.00	70.00	130.00	20.00
			Naphthalene		38	10.00	70.00	130.00	20.00
			n-Butylbenzene	67		10.00	70.00	130.00	20.00
			Styrene	29	80	10.00	70.00	130.00	20.00
		=	Trichlorofluoromethane	65		10.00	70.00	130.00	20.00

Associated Samples: All	samples in Method Batch
Client Sample ID	Lab Sample ID
E11-143-S3	31101915023
E11-143-S3	31101915023
E11-149-S1	31101915002
E11-149-S1	31101915002
E11-149-S2	31101915003
E11-149-S2	31101915003
E11-149-S3	31101915006
E11-149-S3	31101915006
E11-150-S1	31101915016
E11-150-S1	31101915016
E11-150-S2	31101915017
E11-150-32	31101915017
E11-150-S3	31101915018
E11-150-S3	31101915018
E11-150-S4	31101915021

^{*} Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

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

ADR 8.2

Report Date: 9/1/2011 17:48

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^{**} Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

31101915021
31101915007
31101915007
31101915008
31101915008
31101915009
31101915009
31101915010
31101915010
31101915011
31101915011
31101915012
31101915012
31101915015
31101915015
31101915001
31101915001
31101915022
31101915022

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

ADR 8.2

Report Date: 9/1/2011 17:48

^{*} Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Method Batch: XXX1570

Analysis Method: 8270D

Analysis Date: 07/25/2011

Preparation Batch: XXX1570

Preparation Type: 3541

Hexachlorocyclopentadiene

Preparation Date: 07/22/2011

10.00

45.00

135.00 60.00

Lab Reporting Batch: 31101915

Lab ID: SGSW

Reported * Project Limits (Percent) Client Sample ID Percent Lab Sample ID Matrix Analyte Name Rejection Lower Upper Recovery Point** Limit Limit 31101915003MS 31101915004 Hexachlorocyclopentadiene 2015 10.00 45.00 135.00 60.00 31101915003MSD 31101915005

1917

Associated Samples: Al	samples in Method Batch	
Client Sample ID	Lab Sample ID	
E11-149-S1	31101915002	=
E11-149-S1	31101915002	
E11-149-S2	31101915003	
E11-149-S2	31101915003	
E11-149-S3	31101915006	
E11-149-S3	31101915006	
E11-152-S1	31101915007	
E11-152-S1	31101915007	
E11-152-S2	31101915008	
E11-152-S2	31101915008	
E11-152-S3	31101915009	
E11-152-S3	31101915009	
E11-153-S1	31101915010	
E11-153-S1	31101915010	
E11-153-S2	31101915011	
E11-153-S2	31101915011	

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

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^{*} Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

^{**} Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Method Batch : XXX1575

Analysis Method: 8151

Analysis Date: 07/28/2011

Preparation Batch: XXX1575

Preparation Type: 3541

Preparation Date: 07/24/2011

Lab Reporting Batch: 31101915

Lab ID: SGSW

			Reported *		Project Limits (Percent)				
Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
31101915003MSD	31101915005	so	2,4-DB	1	71	5.00	18.00	115.00	30.00
			2,4-DB		71	5.00	18.00	115.00	30.00

Associated Samples: All samples in Method Batch				
Client Sample ID	Lab Sample ID			
E11-149-S1	31101915002			
E11-149-S1	31101915002			
E11-149-S2	31101915003			
E11-149-S2	31101915003			
E11-149-S3	31101915006			
E11-149-S3	31101915006			

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

ADR 8.2

Report Date: 9/1/2011 17:48

^{*} Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

^{**} Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Method Batch: XXX1576

Analysis Method: 8151

Analysis Date: 07/30/2011

Preparation Batch: XXX1576

Preparation Type: 3541

Preparation Date: 07/24/2011

Lab Reporting Batch: 31101915

Lab ID: SGSW

				Report		Project Limits (Percent)			
Client Sample ID Lab Sample ID Ma	Matrix	rix Analyte Name	Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD	
31101915018MSD	31101915020	so	2,4,5-TP (Silvex)		53	5.00	25.00	115.00	25.00
			2,4,5-TP (Silvex)	*-**-*-*	53	5.00	25.00	115.00	25.00
			2,4'-D		29	5.00	25.00	115.00	25.00
			2,4'-D		29	5.00	25.00	115.00	25.00

Associated Samples: All	samples in Method Batch	
Client Sample ID	Lab Sample ID	
E11-143-S3	31101915023	
E11-143-S3	31101915023	
E11-150-S1	31101915016	
E11-150-S1	31101915016	
E11-150-S2	31101915017	
E11-150-S2	31101915017	
E11-150-S3	31101915018	
E11-150-S3	31101915018	
E11-152-S1	31101915007	
E11-152-S1	31101915007	
E11-152-\$2	31101915008	
E11-152-S2	31101915008	
E11-152-S3	31101915009	
E11-152-S3	31101915009	
E11-153-S1	31101915010	
E11-153-S1	31101915010	
E11-153-S2	31101915011	
E11-153-S2	31101915011	
E11-153-S3	31101915012	
E11-153-S3	31101915012	
E11-153-S4	31101915015	
E11-153-S4	31101915015	

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

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Report Date: 9/1/2011 17:48

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^{*} Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

^{**} Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Method Batch : XXX1589

Analysis Method: 8270D

Analysis Date: 07/28/2011

Preparation Batch: XXX1589

Preparation Type: 3541

Preparation Date: 07/27/2011

Lab Reporting Batch: 31101915

Lab ID: SGSW

				Reported *	Project Limits (Percent		1t)	
Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Percent Recovery RP	Rejection Point**	Lower Limit	Upper Limit	RPD
31101915012MS	31101915013	so	Hexachlorocyclopentadiene	1874	10.00	45.00	135.00	60.00
31101915012MSD	31101915014		Hexachlorocyclopentadiene	2014	10.00	45.00	135.00	60.00

Associated Samples: All samples in Method Batch		
Client Sample ID	Lab Sample ID	
E11-153-S3	31101915012	
E11-153-S3	31101915012	
E11-153-S4	31101915015	
E11-153-S4	31101915015	

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

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Report Date: 9/1/2011 17:48

^{*} Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

^{**} Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Surrogate Recovery Outlier Report*

*Excludes samples diluted more than 20x

Surrogate Recovery Outlier Report

Lab Report Batch: 31101915 Lab ID: SGSW Criteria (percent) Associated Analysis Method Percent Upper Limit Reject Point Target Lower Lab Sample ID Client Sample ID Dilution Matrix Surrogate Recovery Limit Analytes 31101915003MS 8151 31101915004 DCAA 148 35.0 135.0 10.0 All Target 8260B 1,2-Dichloroethane-d4 122 80,0 120.0 10.0 All Target 31101915003MSD 31101915005 8151 DCAA 190 35.0 135.0 10.0 All Target 8260B 122 80.0 120.0 10.0 All Target 31101915018MSD 31101915020 8081 Tetrachloro-m-xylene 70.0 130.0 10.0 All Target E11-143-S3 31101915023 8260B so 1,2-Dichloroethane-d4 122 80.0 120.0 10.0 All Target E11-149-S1 31101915002 8260B so 1,2-Dichloroethane-d4 121 0.08 120.0 10.0 All Target E11-149-S3 31101915006 8260B so 1,2-Dichloroethane-d4 123 0.08 120.0 10.0 All Target E11-150-S2 31101915017 8260B so 122 80.0 120.0 10.0 All Target E11-150-S3 31101915018 8081 so Tetrachloro-m-xylene 66 70.0 130.0 10.0 All Target 8200B 122 1,2-Dichloroethane-d4 80.0 120.0 10.0 All Target

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

31101915010

31101915011

31101915012

8260B

8260B

8260B

E11-153-S1

E11-153-S2

E11-153-S3

ADR 8.2 Report Date: 9/2/2011 16:18 Page 1 of 1

so

so

SO

1,2-Dichloroethane-d4

1,2-Dichloroethane-d4

1,2-Dichloroothano d4

121

122

121

80.0

0.08

0.08

120.0

120.0

120.0

10.0

10.0

10.0

All Target

All Target

All Target

Laboratory Duplicate RPD Outlier Report

Laboratory Duplicate RPD Outlier Report

Method Batch: MXX1381

Analysis Method: 6010C

Analysis Date: 07/25/2011

Lab Reporting Batch: 31101915

Lab ID: SGSW

Client Sample ID	Lab Sample ID	Matrix Analyte Name	Reported RPD	Project Limit RPD
31101915025DUP	32250	SO Lead	27	20.00

Associated Samples: Al	samples in Method Batch	
Client Sample ID	Lab Sample ID	
E11-143-S3	31101915023	
E11-144-S1	31101915024	
E11-144-S2	31101915025	
E11-149-S1	31101915002	
E11-149-S2	31101915003	
E11-149-S3	31101915006	
E11-150-S1	31101915016	
E11-150-S2	31101915017	
E11-150-S4	31101915021	
E11-152-S1	31101915007	
E11-152-S2	31101915008	
E11-152-S3	31101915009	
E11-153-S1	31101915010	
E11-153-S2	31101915011	
E11-153-S3	31101915012	
E11-153-S4	31101915015	

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

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Sample Qualification Report

Includes laboratory qualification flags and overall final validated flags with the reason(s) for the flags.

Client Sample ID: 31101915003MS

Lab Report Batch: 31101915

Analysis Type: RES

Lab ID: SGSW

Sample Date:

Lab Sample ID: 31101915004

Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyle Name	Result	Uncertainty / Error	Result Units	Lab Quai	Rep Res	Overall Quaf*	Temp	нт	мв	LCS	MS	Łab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	ıc	ICV	CV/
Analysis Method : 8081					Diluti	on: 1				·^		·						·		
Chlordane	34.0		ug/Kg	U		:			1	I	Į.	I	1	}	1 3		1			
Chlordane	34.0		ug/Kg	U					 I	 	1	. <u>! </u>	<u>.</u>	! !				ļ	ļ	ļ
Toxaphene	34.0	i	ug/Kg	U	• • • • • • • • • • • • • • • • • • • •			••••	 I	! !	 		! !		! !				· · · · · · · · · · · · · · · · · · ·	ļ
Toxaphene	34.0		ug/Kg	U			- 1			1	1	2	1		1 1				1	
Analysis Method : 8151		*********			Dilutio	วก: 1	!				·····	·	!		!!					·
Bentazon	0.0131	· · · · · · · · · · · · · · · · · · ·	mg/kg	J		J	1		I			<u> </u>						· · · · · · · · · · · · · · · · ·		t
Benlazon	0.0131		mg/kg	J		J	····· ;		t 	!	! 									ļ
Picloram	0.0366	·····	mo/ka				ا ا		1	! !	· ·	! -								
Picloram	0.0366	·····	ma/ko						! 	 	i	!								ļ

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

Library Used: CampCarroll

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Report Date: 9/6/2011 10:37 * 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: 31101915018MS

Lab Report Batch: 31101915

Lab ID : SGSW

Sample Date:

Analysis Type: RES

Sample Matrix: SO

Lab Sample ID: 31101915019

iewed By / Date :							App	rove	d By /	Date :	:									
te 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/
Analysis Method : 8081		***************************************			Diluti	on: 1														000
ane	35.4	1	ug/Kg	U	:			l	i	J	1	I			1	:	1	}	F	1
ane	35.4		ug/Kg	U	÷·····			! 	 	 		.! :		! 		! !	!	i 	ļ	[
hene	35.4		ug/Kg	U	······	1	••••	<u>.</u>		<u>.</u>	 	 	! !	<u>:</u> !	<u> </u>	: }		!	<u> </u>	ļ
nene	35.4		ug/Kg	U	;·	: :		! 	: i	¦ I	 }	! !	¦	¦	ļ		<u>!</u>	: :	Į	
Analysis Method : 8151					Diluti	on: 1				!	····				!				1	·
phenol	0.0177		mg/kg	U	Ī	1			I	1	1	Į.	1 :		1 6		1		 1	
phenol	0.0177		mg/kg	U]i				: !		i	i	! !			! 		ļ	!
on	0.0420		mg/kg		i		<u>-</u>		¦	! 	 !		!		! <u>!</u>					<u>.</u>
on	0.0420		mg/kg			!i			· 			!	!! !						! !	ļ
mben	0.00602		mg/kg	JP					!	'	}	` (! ! !					
nben	0.00602		mg/kg	18			· · · · · · · · · · · · · · · · · · ·	•	' 	!	!! 		!		!! !					ļ
В	0.0922		mg/kg	j)	· · · · · · · · · · · · · · · · · · ·			'	·		! ! 		!					ļ
n	0.0922		mg/kg	J			! !			·	!i	!	!		!! !				!	'
	2.78		mg/kg	ſ			······				'	!! !	!							
	2.78		mg/kg	J		···· ··· i			! 	!	ا ! ا				!! !	ا			!	
n	0.0282		mg/kg	J		· · · · · · · · · · · · · · · · · · ·		'۔۔۔۔۔' ا	! I			!	i.	!	!					
n	0.0282		**	J		· • • • • • • • • • • • • • • • • • • •		· · · · · · · · · · · · · · · · · · ·				1							!	
n	0.0282		mg/kg	J		1			· · · · · · · · · · · · · · ·			1		• •		·····i				

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 : E11-138-S1

Sample Date: 07/18/2011 Lab Sample ID: 31101915029 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	Lah Qual		Overali Quai*		нт	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis		Tune	IC	ICV	CVI
Analysis Method : 6010C					Dilutio	on: 1							·							
Arsenic	0.744		mg/kg	j	YES			Ī	1	1			l :		1		1		1	
Barium	71.4		mg/kg		YES			: 	'	: 	 	! !	!				1			
Cadmium	0.622		mg/kg		YES	U	:i		U	!! 	} 						!! 		 	
Chromium	3.97		mg/kg		YES					 	i 				¦/		! 		 1	·····
Lead	5.04		mg/kg		YES	•••••					 !						! <u>;</u>		! !	<u>!</u>
Selenium	1,81		mg/kg	U	YES	••					i				!! 		!i	••••	! !	Ī
Silver	0.906		mg/kg	υ	YES					` 								•	! !	1
Analysis Method : 7471B					Dilutio	n: 1													!	!
Mercury	0.0181		mg/kg	υ	YES						i									i
Analysis Method : 8081					Dilutio	n: 1	1								!				1	!
4,4'-DDD	10.2		ug/Kg	U	YES		1					Ī	i		1		·····		·····	1
4,4'-DDD	10.2		ид/Кд	U	YES		i		1		······	i				1	·\			!
4.4'-DDE	10.2	į	ug/Kg	U	YES		Ì		· · · · · · · · · · · · · · · · · · ·					!			.			! !
4,4'-DDE	10.2		ug/Kg	U	YES			1			i	 1		i	!	·¹			!	! !
4,4'-DDT	10.2		ug/Kg	V	YES	1		1	1	·	i 	·\ 1	······/.	!				•	!	!! !
4,4'-DDT	10.2	;	ug/Kg	U	YES		1				· · · · · · · · · · · · · · · · · · ·	··!		·!	i-	! I				:!
Aldrin	10.2		ug/Kg	υ	YES :			1	1	·		i		·····i	••••••				<u>!</u>	
Aldrin	10.2		ug/Kg	υ	YES		i	ì	i		i	············		!	 -				!	
alpha-BHC	10.2	;	ug/Kg	U	YES]		i	·i	·i		!	i					
alpha-BHC	10.2		ug/Kg	υ	YES		·····i	······	<i>i</i> ,	}	······		·		·			<u></u>		
alpha Chiordane	10.2		ug/Kg	U	YES :	1	······	······		<u>/</u>	·i			··		!			! !	
alpha-Chlordane	10.2		ug/Kg	U ;	YES :			î	·	1		i	1	- !.		ا,ا	•••••	ال	1	
bela-BHC	10.2	1	ug/Kg	U	YES	i	· · · · · · · · · · · · · · · · · · ·	;	·········	i	·······	·····			٠,,,,,,,,,,,					!
bels BHC	10.2		ug/Kg	U	YES :	······	···········	\ 1	······		·············	:		!.	· · · · · · · · · · · · · · · · · · ·	<u>.</u> '.	····			1
Chlordane	34.0		ug/Kg	U	YES	i	·i	<u>:</u>		 (!, I				!.				
Chlordane	34.0		ug/Kg	U	YES	i- 	:i	·-· <u>/</u> -	· /	······			<i>i-</i> -				· ¦ -			
delfa-BHC	10.2	·····	ug/Kg	υ	YES												· -			

Project Number and Name:

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Library Used: CampCarroll

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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 : E11-138-S1

Sample Date: 07/18/2011 Lab Sample ID: 31101915029 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	Overall Qual*	Temp	нт	MB	LCS	MS	Lab Dup	Surr		Moist Tot/Dis		Tune	ic	ICV	CV/ CCV
Analysis Method : 8081				· · · · · · · · · · · · · · · · · · ·	Diluti	on: 1			••••••											
delta-BHC	10.2		ug/Kg	U	YES]		1	1		i i	 		1 3		1		1	1
Diefdrin	; 10.2		ug/Kg	U	YES		1		` 	<u> </u>	: 	`		! !	!í				-	·
Dieldrin	10.2		ug/Kg	U	YES				: 		: 	i		i I				-	 1	
Endosulfan I	10.2		ug/Kg	U	YES		1		·	:	: 	:i		 !	!i		[¦	
Endosulfan i	10.2		ид/Кд	U	YES			**		: 				i	!: 		!! !		 !	. <u>†</u>
Endosulfan II	10.2	1	ug/Kg	U	YES		i		' 	:]	 	·			1		!! !		1	
Endosulfan il	10.2	:	ug/Kg	υ	YES		1	······		: I					! 		! <i></i> .		!	
Endosulfan sulfate	10.2	:	ug/Kg	U	YES					' 	: !	: 1			¦		!! !		} 	1
Endosulfan sulfale	10.2		ug/Kg	υ	YES		i	·i		'			. ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ						! !	!
Endrin	10.2		ug/Kg	V	YES		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·										· · · · · · ·	! !	<u> </u>
Endrin	10.2		ug/Kg	U	YES	i	1	1											 I	1
Endrin aldehyde	10.2	1	ug/Kg	U	YES	i	1	· · · · · · · · · · · · · · · · · · ·	·i							······			!	!
Endrin aldehyde	10.2	·····	ug/Kg	U	YES	i	1	·								:! 	ا		! !	! !
Endrin ketone	10.2		ug/Kg	U	YES		····i	·······	ر ا	·i		·····				!			! !	!
Endrin kelone	10.2		ug/Kg	U	YES	······	···	1	·!					! I	!.					! 1
gamma-BHC (Lindane)	10.2		ц9/К9	บ	YES	i		······	·'				!	! !			!			! !
gamma-BHC (Lindane)	10.2		ug/Kg	U	YES	· · · · · · · · · · · · · · · · · · ·		1	· · · · · · · · · · · · · · · · · · ·	······	؛ا ا	!	· · · · · · · · · · · · · · · · · · ·			!		!		<u> </u>
gamma-Chlordane	10.2		ug/Kg	U	YES		·····	·····	1		 ا	····	!. I	!	!.	!				! !
gamma-Chlordane	10.2		ug/Kg	U	YES	<i>i</i>	······································	······		.ن ا	·····!			!					!	!
-leptachlor	10.2		ug/Kg	U	YES			·····				¦		·····-	!	1	i	i	1	i
deplaction	10.2	·····	ug/Kg	U	YES		·····i	<u>.</u> 1	!. 1	·····::::	<u>.</u>			!.	· · · · · ·	<u>!</u>	!	, ! !	1	
deptachfor epoxide	10.2		ug/Kg	υ	YES	į	i	i				!. 						!	!	;····-!
-leplachlor epoxide	10.2		ug/Kg	U	YES	·i	i.	1		······	······		<i>l</i> .	!				!	!	·····
Melhoxychlor	10.2		ug/Kg	U	YES			<u></u>	······					!.				اا		, <u>.</u>
Methoxychtor	10.2		ug/Kg	υ	YES		l.						!.			1			· · · · · · · · · · · · · · · · · · ·	!
oxaphene	34.0	1	ug/Kg	U	YES	·····		<u>.</u> .	·····:				!-							

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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: E11-138-S1

Sample Date: 07/18/2011

Lab Sample ID: 31101915029

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 (Temp	нт	мв	LCS	MS	Lab Dup	Surr	Rep	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/
Analysis Method : 8081		······································			Dilution	1: 1														
Toxaphene	34.0		ug/Kg	U	YES :	ĺ						 	1		1 !		J i		1	1
Analysis Method : 8151	******************		*		Dilution	1:1			`	·······				i	!i		1		3	!
2,4,5-T	0.0170		mg/kg	U	YES	1]					1		1	1 1		1 1		l	ī .
2,4,5-T	0.0170		mg/kg	U	YES	:	1			: [: 	: 1	¦ 	: 	!: 		!i		: !	1
2,4,5-TP (Slivex)	0.0170		mg/kg	U	YES					 	: }	! !		! !	¦		! <i>:</i>		! !	
2,4,5-TP (Silvex)	0.0170		mg/kg	U	YES:	·····:	····i			' 	} 	i	٠		! !		!i			!! !
2,4'-D	0.0170		mg/kg	U	YES :		·····i	:		[!	: :	! !		!! 		!		' '	! !
2,4'-D	0.0170		mg/kg	บ	YES	·		'		' 	! 	· · · · · · · · · · · · · · · · · · ·	! !	! !						
2,4-DB	0.0170		mg/kg	υ	YES	UJ				UJ			!							!
2,4-DB	0.0170		mg/kg	ט	YES	IJ				UJ		! I	!							
Dicamba	0.0170		mg/kg	U	YES										!! !					!
Dicamba	0.0170		mg/kg	υ ;	YES:			! !							!! !			!		<u> </u>
Analysis Method : 8260B					Dilution:				'	· · · · · · · · · · · · · · · · · · ·			! !						!	I J
1,1,1,2-Tetrachloroethane	5.03		ug/Kg	Ų	YES :	Ĭ									1					
1,1,1-Trichloroethane	5.03		ug/Kg	U	YES :		· · · · · · · · · · · · · · · · · · ·	···	! 	<u>-</u>				!	·			اا		[
1,1,2,2-Tetrachloroethane	5.03		ug/Kg	U	YES	······································			!	ئى !				· · · · · · · · · · · · · · · · · · ·		!		!		
1,1,2-Trichloroethane	5.03		ug/Kg	U	YES		·i		·i			·····;				!		المستحددة	!	!
1,1-Dichloroethane	5.03		ug/Kg	··· u ÷	YES:	<u>'</u> .				!	! !	!		!				!	!	
1,1-Dichloroethene	5.03		ug/Kg	ָּ ט	YES			<u>'</u> -			-	!								
1,1 Dichloropropono	5.03	·····	ug/Kg	U	YES						<u>ا</u>	!							!	
1,2,3-Trichlorobenzene	5.00	·····	og/Kg	· ···	YES	، ئا۔۔۔۔۔ ا		<u>'</u>	••••• <u>·</u>			!	ا						!	
1,2,3-1 richtoropropane	5.03		ug/Kg	······	YES:			••••••	, '	i	1	1	1	1				ا		
1,2,4-Trichlorobenzene	5.03		ug/Kg	. د د د د د د د د د د د د	YES		····		ا	!-	!				 -					
1,2,4-Trimethylbenzene	6.03		ug/Kg	· · · · · · · · · · · · · · · · · · ·	YES:	· · · · · · · · · · · · · · · · · · ·		'.	!.			!		!			·			
1,2-Dibromo-3-chloropropane	30.2		ug/Kg		YES:	!.	<u>-</u>					1	<u>.</u>					!		
1,2-Dibromoelhane	5.03		ug/Kg		YES	!	!									!				
I,2-Dichlorobenzene	5.03		ug/Kg		YES:								!				,			

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