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# Sample Qualification Report (All Analytes)

Client Sample ID : E11-126-S2  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879005

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2-Dichloroethane	4.05		ug/Kg	U	YES															
1,2-Dichloropropane	4.05		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.05		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.05		ug/Kg	U	YES															
1,3-Dichloropropane	4.05		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.05		ug/Kg	U	YES															
2,2-Dichloropropane	4.05		ug/Kg	U	YES															
2-Butanone	20.2		ug/Kg	U	YES															
2-Chlorotoluene	4.05		ug/Kg	U	YES															
2-Hexanone	10.1		ug/Kg	U	YES															
4-Chlorotoluene	4.05		ug/Kg	U	YES															
4-Isopropyltoluene	4.05		ug/Kg	U	YES															
4-Methyl-2-pentanone	10.1		ug/Kg	U	YES															
Acetone	40.5		ug/Kg	U	YES															
Benzene	4.05		ug/Kg	U	YES															
Bromobenzene	4.05		ug/Kg	U	YES															
Bromochloromethane	4.05		ug/Kg	U	YES															
Bromodichloromethane	4.05		ug/Kg	U	YES															
Bromoform	4.05		ug/Kg	U	YES															
Bromomethane	4.05		ug/Kg	U	YES															
Carbon disulfide	4.05		ug/Kg	U	YES															
Carbon tetrachloride	4.05		ug/Kg	U	YES															
Chlorobenzene	4.05		ug/Kg	U	YES															
Chloroethane	4.05		ug/Kg	U	YES															
Chloroform	4.05		ug/Kg	U	YES															
Chloromethane	4.05		ug/Kg	U	YES															

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

Library Used: CampCarroll

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Report Date: 9/6/2011 08:22

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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

4901

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-126-S2  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879005

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
cis-1,2-Dichloroethene	4.05		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.05		ug/Kg	U	YES															
Dibromochloromethane	4.05		ug/Kg	U	YES															
Dibromomethane	4.05		ug/Kg	U	YES															
Dichlorodifluoromethane	4.05		ug/Kg	U	YES															
Ethyl Benzene	4.05		ug/Kg	U	YES															
Hexachlorobutadiene	4.05		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.05		ug/Kg	U	YES															
m,p-Xylene	8.10		ug/Kg	U	YES															
Methyl iodide	4.05		ug/Kg	U	YES															
Methylene chloride	0.866		ug/Kg	J	YES	U														
Naphthalene	4.05		ug/Kg	U	YES															
n-Butylbenzene	4.05		ug/Kg	U	YES															
n-Propylbenzene	4.05		ug/Kg	U	YES															
o-Xylene	4.05		ug/Kg	U	YES															
sec-Butylbenzene	4.05		ug/Kg	U	YES															
Styrene	4.05		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	4.05		ug/Kg	U	YES															
tert-Butylbenzene	4.05		ug/Kg	U	YES															
Tetrachloroethene	4.05		ug/Kg	U	YES															
Toluene	2.45		ug/Kg	J	YES															
trans-1,2-Dichloroethene	4.05		ug/Kg	U	YES	UJ														
trans-1,3-Dichloropropene	4.05		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	20.2		ug/Kg	U	YES															
Trichloroethene	4.05		ug/Kg	U	YES															
Trichlorofluoromethane	4.05		ug/Kg	U	YES															

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

Library Used: CampCarroll

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Report Date: 9/6/2011 08:22

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4902

Sample Qualification Report (All Analytes)

Client Sample ID : E11-126-S2  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879005

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Molst Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8260B</b>																				
<b>Dilution: 1</b>																				
Vinyl chloride	4.05		ug/Kg	U	YES															
<b>Analysis Method : 8270D</b>																				
<b>Dilution: 1</b>																				
1,2,4-Trichlorobenzene	338		ug/Kg	U	YES															
1,2-Dichlorobenzene	338		ug/Kg	U	YES															
1,3-Dichlorobenzene	338		ug/Kg	U	YES															
1,4-Dichlorobenzene	338		ug/Kg	U	YES															
2,4,5-Trichlorophenol	338		ug/Kg	U	YES															
2,4,6-Trichlorophenol	338		ug/Kg	U	YES															
2,4-Dichlorophenol	338		ug/Kg	U	YES															
2,4-Dimethylphenol	338		ug/Kg	U	YES															
2,4-Dinitrotoluene	338		ug/Kg	U	YES															
2,6-Dinitrotoluene	338		ug/Kg	U	YES															
2-Chloronaphthalene	338		ug/Kg	U	YES															
2-Chlorophenol	338		ug/Kg	U	YES															
2-Methylnaphthalene	338		ug/Kg	U	YES															
2-Methylphenol	338		ug/Kg	U	YES															
2-Nitroaniline	338		ug/Kg	U	YES															
2-Nitrophenol	338		ug/Kg	U	YES															
3 and/or 4-Methylphenol	338		ug/Kg	U	YES															
3-Nitroaniline	338		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	338		ug/Kg	U	YES															
4-Chloro-3-methylphenol	338		ug/Kg	U	YES															
4-Chloroaniline	338		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	338		ug/Kg	U	YES															
4-Nitroaniline	338		ug/Kg	U	YES															
4-Nitrophenol	338		ug/Kg	U	YES															
Acenaphthene	338		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4903

Sample Qualification Report (All Analytes)

Client Sample ID : E11-126-S2  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879005

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
Acenaphthylene	338		ug/Kg	U	YES															
Anthracene	338		ug/Kg	U	YES															
Benzo(a)anthracene	338		ug/Kg	U	YES															
Benzo(a)pyrene	338		ug/Kg	U	YES															
Benzo(b)fluoranthene	338		ug/Kg	U	YES															
Benzo(g,h,i)perylene	338		ug/Kg	U	YES															
Benzo(k)fluoranthene	338		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	338		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	338		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	338		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	338		ug/Kg	U	YES															
Butyl benzyl phthalate	338		ug/Kg	U	YES															
Chrysene	338		ug/Kg	U	YES															
Dibenz(a,h)anthracene	338		ug/Kg	U	YES															
Dibenzofuran	338		ug/Kg	U	YES															
Diethyl phthalate	338		ug/Kg	U	YES															
Dimethyl phthalate	338		ug/Kg	U	YES															
Di-n-butyl phthalate	338		ug/Kg	U	YES															
Di-n-octyl phthalate	338		ug/Kg	U	YES															
Fluoranthene	338		ug/Kg	U	YES															
Fluorene	338		ug/Kg	U	YES															
Hexachlorobenzene	338		ug/Kg	U	YES															
Hexachlorobutadiene	338		ug/Kg	U	YES															
Hexachlorocyclopentadiene	338		ug/Kg	U	YES															
Hexachloroethane	338		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	338		ug/Kg	U	YES															

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

Library Used: CampCarroll

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4904

Sample Qualification Report (All Analytes)

Client Sample ID : E11-126-S2  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879005

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D		Dilution: 1																		
Isophorone	338		ug/Kg	U	YES															
Naphthalene	338		ug/Kg	U	YES															
Nitrobenzene	338		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	338		ug/Kg	U	YES															
Pentachlorophenol	338		ug/Kg	U	YES															
Phenanthrene	338		ug/Kg	U	YES															
Phenol	338		ug/Kg	U	YES															
Pyrene	338		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4905

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-127-S1  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879010

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	
Analysis Method : 6010C				Dilution: 1																	
Arsenic	1.40		mg/kg		YES	J							J								
Barium	119		mg/kg		YES	J							J								
Cadmium	0.612		mg/kg		YES	UJ			U				J								
Chromium	3.83		mg/kg		YES																
Lead	6.16		mg/kg		YES	J							J								
Selenium	1.78		mg/kg	U	YES																
Silver	0.143		mg/kg	J	YES	U			U												
Analysis Method : 7471B				Dilution: 1																	
Mercury	0.0198		mg/kg	U	YES																
Analysis Method : 8081				Dilution: 1																	
4,4'-DDD	9.98		ug/Kg	U	YES																
4,4'-DDD	9.98		ug/Kg	U	YES																
4,4'-DDE	9.98		ug/Kg	U	YES																
4,4'-DDE	9.98		ug/Kg	U	YES																
4,4'-DDT	1.61		ug/Kg	JP	YES	U			U												
4,4'-DDT	1.61		ug/Kg	JP	YES	U			U												
Aldrin	9.98		ug/Kg	U	YES																
Aldrin	9.98		ug/Kg	U	YES																
alpha-BHC	9.98		ug/Kg	U	YES																
alpha-BHC	9.98		ug/Kg	U	YES																
alpha-Chlordane	9.98		ug/Kg	U	YES																
alpha-Chlordane	9.98		ug/Kg	U	YES																
beta-BHC	9.98		ug/Kg	U	YES																
beta-BHC	9.98		ug/Kg	U	YES																
Chlordane	33.2		ug/Kg	U	YES																
Chlordane	33.2		ug/Kg	U	YES																
delta-BHC	9.98		ug/Kg	U	YES																

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

Library Used: CampCarroll

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Report Date: 9/6/2011 08:22

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4906

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-127-S1  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879010

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 1																				
delta-BHC	9.98		ug/Kg	U	YES															
Dieldrin	9.98		ug/Kg	U	YES															
Dieldrin	9.98		ug/Kg	U	YES															
Endosulfan I	9.98		ug/Kg	U	YES															
Endosulfan I	9.98		ug/Kg	U	YES															
Endosulfan II	9.98		ug/Kg	U	YES															
Endosulfan II	9.98		ug/Kg	U	YES															
Endosulfan sulfate	9.98		ug/Kg	U	YES															
Endosulfan sulfate	9.98		ug/Kg	U	YES															
Endrin	9.98		ug/Kg	U	YES															
Endrin	9.98		ug/Kg	U	YES															
Endrin aldehyde	9.98		ug/Kg	U	YES															
Endrin aldehyde	9.98		ug/Kg	U	YES															
Endrin ketone	9.98		ug/Kg	U	YES															
Endrin ketone	9.98		ug/Kg	U	YES															
gamma-BHC (Lindane)	9.98		ug/Kg	U	YES															
gamma-BHC (Lindane)	9.98		ug/Kg	U	YES															
gamma-Chlordane	9.98		ug/Kg	U	YES															
gamma-Chlordane	9.98		ug/Kg	U	YES															
Heptachlor	9.98		ug/Kg	U	YES															
Heptachlor	9.98		ug/Kg	U	YES															
Heptachlor epoxide	9.98		ug/Kg	U	YES															
Heptachlor epoxide	9.98		ug/Kg	U	YES															
Methoxychlor	9.98		ug/Kg	U	YES															
Methoxychlor	9.98		ug/Kg	U	YES															
Toxaphene	33.2		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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4907



# Sample Qualification Report (All Analytes)

Client Sample ID : E11-127-S1  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879010

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 1																				
Toxaphene	33.2		ug/Kg	U	YES															
Analysis Method : 8151																				
Dilution: 1																				
2,4,5-T	0.0163		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0163		mg/kg	U	YES	UJ							UJ							
2,4-D	0.0163		mg/kg	U	YES	UJ							UJ							
2,4-DB	0.0163		mg/kg	U	YES															
Dicamba	0.0163		mg/kg	U	YES															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.78		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.78		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.78		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.78		ug/Kg	U	YES															
1,1-Dichloroethane	4.78		ug/Kg	U	YES	UJ							UJ							
1,1-Dichloroethane	4.78		ug/Kg	U	YES															
1,1-Dichloropropane	4.78		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.78		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.78		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.78		ug/Kg	U	YES															
1,2,4-Trimethylbenzene	4.78		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	28.7		ug/Kg	U	YES															
1,2-Dibromoethane	4.78		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.78		ug/Kg	U	YES															
1,2-Dichloroethane	4.78		ug/Kg	U	YES															
1,2-Dichloropropane	4.78		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.78		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.78		ug/Kg	U	YES															
1,3-Dichloropropane	4.78		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4908

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-127-S1  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879010

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist ToUDis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,4-Dichlorobenzene	4.78		ug/Kg	U	YES															
2,2-Dichloropropane	4.78		ug/Kg	U	YES															
2-Butanone	23.9		ug/Kg	U	YES															
2-Chlorotoluene	4.78		ug/Kg	U	YES															
2-Hexanone	12.0		ug/Kg	U	YES															
4-Chlorotoluene	4.78		ug/Kg	U	YES															
4-Isopropyltoluene	4.78		ug/Kg	U	YES															
4-Methyl-2-pentanone	12.0		ug/Kg	U	YES															
Acetone	47.8		ug/Kg	U	YES															
Benzene	4.78		ug/Kg	U	YES															
Bromobenzene	4.78		ug/Kg	U	YES															
Bromochloromethane	4.78		ug/Kg	U	YES															
Bromodichloromethane	4.78		ug/Kg	U	YES															
Bromoform	4.78		ug/Kg	U	YES															
Bromomethane	4.78		ug/Kg	U	YES															
Carbon disulfide	4.78		ug/Kg	U	YES															
Carbon tetrachloride	4.78		ug/Kg	U	YES															
Chlorobenzene	4.78		ug/Kg	U	YES															
Chloroethane	4.78		ug/Kg	U	YES															
Chloroform	4.78		ug/Kg	U	YES															
Chloromethane	4.78		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.78		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.78		ug/Kg	U	YES															
Dibromochloromethane	4.78		ug/Kg	U	YES															
Dibromomethane	4.78		ug/Kg	U	YES															
Dichlorodifluoromethane	4.78		ug/Kg	U	YES															

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

4909

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-127-S1  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879010

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
Ethyl Benzene	4.78		ug/Kg	U	YES															
Hexachlorobutadiene	4.78		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.78		ug/Kg	U	YES															
m,p-Xylene	9.56		ug/Kg	U	YES															
Methyl iodide	4.78		ug/Kg	U	YES															
Methylene chloride	19.1		ug/Kg	U	YES															
Naphthalene	4.78		ug/Kg	U	YES															
n-Butylbenzene	4.78		ug/Kg	U	YES															
n-Propylbenzene	4.78		ug/Kg	U	YES															
o-Xylene	4.78		ug/Kg	U	YES															
sec-Butylbenzene	4.78		ug/Kg	U	YES															
Styrene	4.78		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	4.78		ug/Kg	U	YES															
tert-Butylbenzene	4.78		ug/Kg	U	YES															
Tetrachloroethene	4.78		ug/Kg	U	YES															
Toluene	1.70		ug/Kg	J	YES															
trans-1,2-Dichloroethene	4.78		ug/Kg	U	YES	UJ														
trans-1,3-Dichloropropene	4.78		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	23.9		ug/Kg	U	YES															
Trichloroethene	4.78		ug/Kg	U	YES															
Trichlorofluoromethane	4.78		ug/Kg	U	YES															
Vinyl chloride	4.78		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	332		ug/Kg	U	YES															
1,2-Dichlorobenzene	332		ug/Kg	U	YES															
1,3-Dichlorobenzene	332		ug/Kg	U	YES															
1,4-Dichlorobenzene	332		ug/Kg	U	YES															

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

4910

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-127-S1  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879010

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
2,4,5-Trichlorophenol	332		ug/Kg	U	YES															
2,4,6-Trichlorophenol	332		ug/Kg	U	YES															
2,4-Dichlorophenol	332		ug/Kg	U	YES															
2,4-Dimethylphenol	332		ug/Kg	U	YES															
2,4-Dinitrotoluene	332		ug/Kg	U	YES															
2,6-Dinitrotoluene	332		ug/Kg	U	YES															
2-Chloronaphthalene	332		ug/Kg	U	YES															
2-Chlorophenol	332		ug/Kg	U	YES															
2-Methylnaphthalene	332		ug/Kg	U	YES															
2-Methylphenol	332		ug/Kg	U	YES															
2-Nitroaniline	332		ug/Kg	U	YES															
2-Nitrophenol	332		ug/Kg	U	YES															
3 and/or 4-Methylphenol	332		ug/Kg	U	YES															
3-Nitroaniline	332		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	332		ug/Kg	U	YES															
4-Chloro-3-methylphenol	332		ug/Kg	U	YES															
4-Chloroaniline	332		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	332		ug/Kg	U	YES															
4-Nitroaniline	332		ug/Kg	U	YES															
4-Nitrophenol	332		ug/Kg	U	YES															
Acenaphthene	332		ug/Kg	U	YES															
Acenaphthylene	332		ug/Kg	U	YES															
Anthracene	332		ug/Kg	U	YES															
Benzo(a)anthracene	332		ug/Kg	U	YES															
Benzo(a)pyrene	332		ug/Kg	U	YES															
Benzo(b)fluoranthene	332		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4911

Sample Qualification Report (All Analytes)

Client Sample ID : E11-127-S1  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879010

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dts	Field QC	Tune	IC	ICV	CV / CCV	
Analysis Method : 8270D																					
Dilution: 1																					
Benzo(g,h,i)perylene	332		ug/Kg	U	YES																
Benzo(k)fluoranthene	332		ug/Kg	U	YES																
Bis(2-Chloroethoxy)methane	332		ug/Kg	U	YES																
Bis(2-Chloroethyl)ether	332		ug/Kg	U	YES																
Bis(2-Chloroisopropyl)ether	332		ug/Kg	U	YES																
Bis(2-Ethylhexyl)phthalate	332		ug/Kg	U	YES																
Butyl benzyl phthalate	332		ug/Kg	U	YES																
Chrysene	332		ug/Kg	U	YES																
Dibenz(a,h)anthracene	332		ug/Kg	U	YES																
Dibenzofuran	332		ug/Kg	U	YES																
Diethyl phthalate	332		ug/Kg	U	YES																
Dimethyl phthalate	332		ug/Kg	U	YES																
Di-n-butyl phthalate	332		ug/Kg	U	YES																
Di-n-octyl phthalate	332		ug/Kg	U	YES																
Fluoranthene	332		ug/Kg	U	YES																
Fluorene	332		ug/Kg	U	YES																
Hexachlorobenzene	332		ug/Kg	U	YES																
Hexachlorobuladiene	332		ug/Kg	U	YES																
Hexachlorocyclopentadiene	332		ug/Kg	U	YES																
Hexachloroethane	332		ug/Kg	U	YES																
Indeno(1,2,3-cd)pyrene	332		ug/Kg	U	YES																
Isophorene	332		ug/Kg	U	YES																
Naphthalene	332		ug/Kg	U	YES																
Nitrobenzene	332		ug/Kg	U	YES																
n-Nitrosodi-n-propylamine	332		ug/Kg	U	YES																
Pentachlorophenol	332		ug/Kg	U	YES																

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

4912

Sample Qualification Report (All Analytes)

Client Sample ID : E11-127-S1  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879010

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field GC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
Phenanthrene	332		ug/Kg	U	YES															
Phenol	332		ug/Kg	U	YES															
Pyrene	332		ug/Kg	U	YES															

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

Library Used: CampCarroll

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Report Date: 9/6/2011 08:22

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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

4913

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-127-S2  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879011

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6010C				Dilution: 1																
Arsenic	1.56		mg/kg		YES	J						J								
Barium	161		mg/kg		YES	J						J								
Cadmium	0.606		mg/kg		YES	UJ			U			J								
Chromium	4.32		mg/kg		YES															
Lead	5.95		mg/kg		YES	J						J								
Selenium	2.06		mg/kg	U	YES															
Silver	1.03		mg/kg	U	YES															
Analysis Method : 7471B				Dilution: 1																
Mercury	0.0181		mg/kg	U	YES															
Analysis Method : 8081				Dilution: 1																
4,4'-DDD	9.86		ug/Kg	U	YES															
4,4'-DDD	9.86		ug/Kg	U	YES															
4,4'-DDE	9.86		ug/Kg	U	YES															
4,4'-DDE	9.86		ug/Kg	U	YES															
4,4'-DDT	1.56		ug/Kg	J P	YES	U			U											
4,4'-DDT	1.56		ug/Kg	J P	YES	U			U											
Aldrin	9.86		ug/Kg	U	YES															
Aldrin	9.86		ug/Kg	U	YES															
alpha-BHC	9.86		ug/Kg	U	YES															
alpha-BHC	9.86		ug/Kg	U	YES															
alpha-Chlordane	9.86		ug/Kg	U	YES															
alpha-Chlordane	9.86		ug/Kg	U	YES															
beta-BHC	9.86		ug/Kg	U	YES															
beta-BHC	9.86		ug/Kg	U	YES															
Chlordane	32.8		ug/Kg	U	YES															
Chlordane	32.8		ug/Kg	U	YES															
delta-BHC	9.86		ug/Kg	U	YES															

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

4914

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-127-S2  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879011

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 1																				
delta-BHC	9.86		ug/Kg	U	YES															
Dieldrin	9.86		ug/Kg	U	YES															
Dieldrin	9.86		ug/Kg	U	YES															
Endosulfan I	9.86		ug/Kg	U	YES															
Endosulfan I	9.86		ug/Kg	U	YES															
Endosulfan II	9.86		ug/Kg	U	YES															
Endosulfan II	9.86		ug/Kg	U	YES															
Endosulfan sulfate	9.86		ug/Kg	U	YES															
Endosulfan sulfate	9.86		ug/Kg	U	YES															
Endrin	9.86		ug/Kg	U	YES															
Endrin	9.86		ug/Kg	U	YES															
Endrin aldehyde	9.86		ug/Kg	U	YES															
Endrin aldehyde	9.86		ug/Kg	U	YES															
Endrin ketone	9.86		ug/Kg	U	YES															
Endrin ketone	9.86		ug/Kg	U	YES															
gamma-BHC (Lindane)	9.86		ug/Kg	U	YES															
gamma-BHC (Lindane)	9.86		ug/Kg	U	YES															
gamma-Chlordane	9.86		ug/Kg	U	YES															
gamma-Chlordane	9.86		ug/Kg	U	YES															
Heptachlor	9.86		ug/Kg	U	YES															
Heptachlor	9.86		ug/Kg	U	YES															
Heptachlor epoxide	9.86		ug/Kg	U	YES															
Heptachlor epoxide	9.86		ug/Kg	U	YES															
Methoxychlor	9.86		ug/Kg	U	YES															
Methoxychlor	9.86		ug/Kg	U	YES															
Toxaphene	32.8		ug/Kg	U	YES															

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

Library Used: CampCarroll

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Report Date: 9/6/2011 08:22

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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

4915



# Sample Qualification Report (All Analytes)

Client Sample ID : E11-127-S2  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879011

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	
Analysis Method : 8081							Dilution: 1														
Toxaphene	32.8		ug/Kg	U	YES																
Analysis Method : 8151							Dilution: 1														
2,4,5-T	0.0165		mg/kg	U	YES																
2,4,5-TP (Silvex)	0.0165		mg/kg	U	YES	UJ						UJ									
2,4'-D	0.0165		mg/kg	U	YES	UJ						UJ									
2,4-DB	0.0165		mg/kg	U	YES																
Dicamba	0.0165		mg/kg	U	YES																
Analysis Method : 8260B							Dilution: 1														
1,1,1,2-Tetrachloroethane	4.25		ug/Kg	U	YES																
1,1,1-Trichloroethane	4.25		ug/Kg	U	YES																
1,1,2,2-Tetrachloroethane	4.25		ug/Kg	U	YES																
1,1,2-Trichloroethane	4.25		ug/Kg	U	YES																
1,1-Dichloroethane	4.25		ug/Kg	U	YES	UJ						UJ									
1,1-Dichloropropene	4.25		ug/Kg	U	YES																
1,2,3-Trichlorobenzene	4.25		ug/Kg	U	YES																
1,2,3-Trichloropropane	4.25		ug/Kg	U	YES																
1,2,4-Trichlorobenzene	4.25		ug/Kg	U	YES																
1,2,4-Trimethylbenzene	4.25		ug/Kg	U	YES																
1,2-Dibromo-3-chloropropane	25.5		ug/Kg	U	YES																
1,2-Dibromoethane	4.25		ug/Kg	U	YES																
1,2-Dichlorobenzene	4.25		ug/Kg	U	YES																
1,2-Dichloroethane	4.25		ug/Kg	U	YES																
1,2-Dichloropropane	4.25		ug/Kg	U	YES																
1,3,5-Trimethylbenzene	4.25		ug/Kg	U	YES																
1,3-Dichlorobenzene	4.25		ug/Kg	U	YES																
1,3-Dichloropropane	4.25		ug/Kg	U	YES																

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

Library Used: CampCarroll

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Report Date: 9/6/2011 08:22

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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

49/6

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-127-S2  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879011

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist To/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,4-Dichlorobenzene	4.25		ug/Kg	U	YES															
2,2-Dichloropropane	4.25		ug/Kg	U	YES															
2-Butanone	21.2		ug/Kg	U	YES															
2-Chlorotoluene	4.25		ug/Kg	U	YES															
2-Hexanone	10.6		ug/Kg	U	YES															
4-Chloroluene	4.25		ug/Kg	U	YES															
4-Isopropyltoluene	4.25		ug/Kg	U	YES															
4-Methyl-2-pentanone	10.6		ug/Kg	U	YES															
Acelone	7.54		ug/Kg	J	YES															
Benzene	4.25		ug/Kg	U	YES															
Bromobenzene	4.25		ug/Kg	U	YES															
Bromochloromethane	4.25		ug/Kg	U	YES															
Bromodichloromethane	4.25		ug/Kg	U	YES															
Bromoform	4.25		ug/Kg	U	YES															
Bromomethane	4.25		ug/Kg	U	YES															
Carbon disulfide	4.25		ug/Kg	U	YES															
Carbon tetrachloride	4.25		ug/Kg	U	YES															
Chlorobenzene	4.25		ug/Kg	U	YES															
Chloroethane	4.25		ug/Kg	U	YES															
Chloroform	4.25		ug/Kg	U	YES															
Chloromethane	4.25		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.25		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.25		ug/Kg	U	YES															
Dibromochloromethane	4.25		ug/Kg	U	YES															
Dibromomethane	4.25		ug/Kg	U	YES															
Dichlorodifluoromethane	4.25		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4917

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-127-S2  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879011

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	
Analysis Method : 8260B																					
Dilution: 1																					
Ethyl Benzene	4.25		ug/Kg	U	YES																
Hexachlorobutadiene	4.25		ug/Kg	U	YES																
Isopropylbenzene (Cumene)	4.25		ug/Kg	U	YES																
m,p-Xylene	8.50		ug/Kg	U	YES																
Methyl iodide	4.25		ug/Kg	U	YES																
Methylene chloride	17.0		ug/Kg	U	YES																
Naphthalene	4.25		ug/Kg	U	YES																
n-Butylbenzene	4.25		ug/Kg	U	YES																
n-Propylbenzene	4.25		ug/Kg	U	YES																
o-Xylene	4.25		ug/Kg	U	YES																
sec-Butylbenzene	4.25		ug/Kg	U	YES																
Styrene	4.25		ug/Kg	U	YES																
tert-Butyl methyl ether (MTBE)	4.25		ug/Kg	U	YES																
tert-Butylbenzene	4.25		ug/Kg	U	YES																
Tetrachloroethene	4.25		ug/Kg	U	YES																
Toluene	1.43		ug/Kg	J	YES																
trans-1,2-Dichloroethene	4.25		ug/Kg	IJ	YES	UJ															
trans-1,3-Dichloropropene	4.25		ug/Kg	U	YES																
trans-1,4-Dichloro-2-butene	21.2		ug/Kg	U	YES																
Trichloroethene	4.25		ug/Kg	U	YES																
Trichlorofluoromethane	4.25		ug/Kg	U	YES																
Vinyl chloride	4.25		ug/Kg	U	YES																
Analysis Method : 8270D																					
Dilution: 1																					
1,2,4-Trichlorobenzene	330		ug/Kg	U	YES																
1,2-Dichlorobenzene	330		ug/Kg	U	YES																
1,3-Dichlorobenzene	330		ug/Kg	U	YES																
1,4-Dichlorobenzene	330		ug/Kg	U	YES																

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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\* 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

4918

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-127-S2  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879011

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dls	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
2,4,5-Trichlorophenol	330		ug/Kg	U	YES															
2,4,6-Trichlorophenol	330		ug/Kg	U	YES															
2,4-Dichlorophenol	330		ug/Kg	U	YES															
2,4-Dimethylphenol	330		ug/Kg	U	YES															
2,4-Dinitrotoluene	330		ug/Kg	U	YES															
2,6-Dinitrotoluene	330		ug/Kg	U	YES															
2-Chloronaphthalene	330		ug/Kg	U	YES															
2-Chlorophenol	330		ug/Kg	U	YES															
2-Methylnaphthalene	330		ug/Kg	U	YES															
2-Methylphenol	330		ug/Kg	U	YES															
2-Nitroaniline	330		ug/Kg	U	YES															
2-Nitrophenol	330		ug/Kg	U	YES															
3 and/or 4-Methylphenol	330		ug/Kg	U	YES															
3-Nitroaniline	330		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	330		ug/Kg	U	YES															
4-Chloro-3-methylphenol	330		ug/Kg	U	YES															
4-Chloroaniline	330		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	330		ug/Kg	U	YES															
4-Nitroaniline	330		ug/Kg	U	YES															
4-Nitrophenol	330		ug/Kg	U	YES															
Acenaphthene	330		ug/Kg	U	YES															
Acenaphthylene	330		ug/Kg	U	YES															
Anthracene	330		ug/Kg	U	YES															
Benzo(a)anthracene	330		ug/Kg	U	YES															
Benzo(a)pyrene	330		ug/Kg	U	YES															
Benzo(b)fluoranthene	330		ug/Kg	U	YES															

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 accepted by automated data review

4919

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-127-S2  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879011

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
Benzo(g,h,i)perylene	330		ug/Kg	U	YES															
Benzo(k)fluoranthene	330		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	330		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	330		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	330		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	330		ug/Kg	U	YES															
Butyl benzyl phthalate	330		ug/Kg	U	YES															
Chrysene	330		ug/Kg	U	YES															
Dibenz(a,h)anthracene	330		ug/Kg	U	YES															
Dibenzofuran	330		ug/Kg	U	YES															
Diethyl phthalate	330		ug/Kg	U	YES															
Dimethyl phthalate	330		ug/Kg	U	YES															
Di-n-butyl phthalate	330		ug/Kg	U	YES															
Di-n-octyl phthalate	330		ug/Kg	U	YES															
Fluoranthene	330		ug/Kg	U	YES															
Fluorene	330		ug/Kg	U	YES															
Hexachlorobenzene	330		ug/Kg	U	YES															
Hexachlorobutadiene	330		ug/Kg	U	YES															
Hexachlorocyclopentadiene	330		ug/Kg	U	YES															
Hexachloroethane	330		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	330		ug/Kg	U	YES															
Isophorone	330		ug/Kg	U	YES															
Naphthalene	330		ug/Kg	U	YES															
Nitrobenzene	330		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	330		ug/Kg	U	YES															
Pentachlorophenol	330		ug/Kg	U	YES															

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

4920

Sample Qualification Report (All Analytes)

Client Sample ID : E11-127-S2  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879011

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual <sup>a</sup>	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Molst Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D		Dilution: 1																		
Phenanthrene	330		ug/Kg	U	YES															
Phenol	330		ug/Kg	U	YES															
Pyrene	330		ug/Kg	U	YES															

4921

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-129-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879046

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dls	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6010C																				
Dilution: 1																				
Arsenic	1.83		mg/kg		YES															
Barium	104		mg/kg		YES															
Cadmium	0.571		mg/kg		YES	U			U											
Chromium	1.80		mg/kg		YES															
Lead	7.34		mg/kg		YES	J						J								
Selenium	1.80		mg/kg	U	YES															
Silver	0.222		mg/kg	J	YES	U			U											
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.0197		mg/kg	U	YES															
Analysis Method : 8081																				
Dilution: 1																				
4,4'-DDD	10.2		ug/Kg	U	YES															
4,4'-DDD	10.2		ug/Kg	U	YES															
4,4'-DDE	10.2		ug/Kg	U	YES															
4,4'-DDE	10.2		ug/Kg	U	YES															
4,4'-DDT	10.2		ug/Kg	U	YES															
4,4'-DDT	10.2		ug/Kg	U	YES															
Aldrin	10.2		ug/Kg	U	YES															
Aldrin	10.2		ug/Kg	U	YES															
alpha-BHC	10.2		ug/Kg	U	YES															
alpha-BHC	10.2		ug/Kg	U	YES															
alpha-Chlordane	10.2		ug/Kg	U	YES															
alpha-Chlordane	10.2		ug/Kg	U	YES															
beta-BHC	10.2		ug/Kg	U	YES															
beta-BHC	10.2		ug/Kg	U	YES															
Chlordane	34.0		ug/Kg	U	YES															
Chlordane	34.0		ug/Kg	U	YES															
delta-BHC	10.2		ug/Kg	U	YES															

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

4922

Sample Qualification Report (All Analytes)

Client Sample ID : E11-129-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879046

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 1																				
delta-BHC	10.2		ug/Kg	U	YES															
Dieldrin	10.2		ug/Kg	U	YES															
Dieldrin	10.2		ug/Kg	U	YES															
Endosulfan I	10.2		ug/Kg	U	YES															
Endosulfan I	10.2		ug/Kg	U	YES															
Endosulfan II	10.2		ug/Kg	U	YES															
Endosulfan II	10.2		ug/Kg	U	YES															
Endosulfan sulfate	10.2		ug/Kg	U	YES															
Endosulfan sulfate	10.2		ug/Kg	U	YES															
Endrin	10.2		ug/Kg	U	YES															
Endrin	10.2		ug/Kg	U	YES															
Endrin aldehyde	10.2		ug/Kg	U	YES															
Endrin aldehyde	10.2		ug/Kg	U	YES															
Endrin ketone	10.2		ug/Kg	U	YES															
Endrin ketone	10.2		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.2		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.2		ug/Kg	U	YES															
gamma-Chlordane	10.2		ug/Kg	U	YES															
gamma-Chlordane	10.2		ug/Kg	U	YES															
Heptachlor	10.2		ug/Kg	U	YES															
Heptachlor	10.2		ug/Kg	U	YES															
Heptachlor epoxide	10.2		ug/Kg	U	YES															
Heptachlor epoxide	10.2		ug/Kg	U	YES															
Methoxychlor	10.2		ug/Kg	U	YES															
Methoxychlor	10.2		ug/Kg	U	YES															
Toxaphene	34.0		ug/Kg	U	YES															

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

4923



# Sample Qualification Report (All Analytes)

Client Sample ID : E11-129-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879046

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 1																				
Toxaphene	34.0		ug/Kg	U	YES															
Analysis Method : 8161																				
Dilution: 1																				
2,4,5-T	0.0168		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0168		mg/kg	U	YES															
2,4'-D	0.0168		mg/kg	U	YES															
2,4-DB	0.0168		mg/kg	U	YES															
Dicamba	0.0168		mg/kg	U	YES															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.75		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.75		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.75		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.75		ug/Kg	U	YES															
1,1-Dichloroethane	4.75		ug/Kg	U	YES															
1,1-Dichloropropane	4.75		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.75		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.75		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.75		ug/Kg	U	YES	UJ					UJ									
1,2,4-Trimethylbenzene	4.75		ug/Kg	U	YES	UJ					UJ									
1,2-Dibromo-3-chloropropane	28.5		ug/Kg	U	YES															
1,2-Dibromoethane	4.75		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.75		ug/Kg	U	YES															
1,2-Dichloroethane	4.75		ug/Kg	U	YES															
1,2-Dichloropropane	4.75		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.75		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.75		ug/Kg	U	YES															
1,3-Dichloropropane	4.75		ug/Kg	U	YES															

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 accessed by automated data review

4924

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-129-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879046

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/DIs	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,4-Dichlorobenzene	4.75		ug/Kg	U	YES															
2,2-Dichloropropane	4.75		ug/Kg	U	YES															
2-Butanone	1.61		ug/Kg	J	YES	J					J		J							
2-Chlorotoluene	4.75		ug/Kg	U	YES															
2-Hexanone	11.9		ug/Kg	U	YES															
4-Chlorotoluene	4.75		ug/Kg	U	YES															
4-Isopropyltoluene	4.75		ug/Kg	U	YES															
4-Methyl-2-pentanone	11.9		ug/Kg	J	YES															
Acetone	7.17		ug/Kg	J	YES	J					J		J							
Benzene	4.75		ug/Kg	U	YES															
Bromobenzene	4.75		ug/Kg	U	YES															
Bromochloromethane	4.75		ug/Kg	U	YES															
Bromodichloromethane	4.75		ug/Kg	U	YES															
Bromoform	4.75		ug/Kg	U	YES															
Bromomethane	4.75		ug/Kg	U	YES															
Carbon disulfide	4.75		ug/Kg	U	YES															
Carbon tetrachloride	4.75		ug/Kg	U	YES															
Chlorobenzene	4.75		ug/Kg	U	YES															
Chloroethane	4.75		ug/Kg	U	YES															
Chloroform	4.75		ug/Kg	U	YES															
Chloromethane	4.75		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.75		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.75		ug/Kg	U	YES															
Dibromochloromethane	4.75		ug/Kg	U	YES															
Dibromomethane	4.75		ug/Kg	U	YES															
Dichlorodifluoromethane	4.75		ug/Kg	U	YES															

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 outages not assessed by automated data review

4925

Sample Qualification Report (All Analytes)

Client Sample ID : E11-129-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879046

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist ToDis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8260B																				
Dilution: 1																				
Ethyl Benzene	4.75		ug/Kg	U	YES															
Hexachlorobutadiene	4.75		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.75		ug/Kg	U	YES															
m,p-Xylene	9.50		ug/Kg	U	YES															
Methyl iodide	4.75		ug/Kg	U	YES															
Methylene chloride	2.48		ug/Kg	J	YES	UJ			U				J							
Naphthalene	4.75		ug/Kg	U	YES	UJ							UJ							
n-Butylbenzene	4.75		ug/Kg	U	YES															
n-Propylbenzene	4.75		ug/Kg	U	YES															
o-Xylene	4.75		ug/Kg	U	YES															
sec-Butylbenzene	4.75		ug/Kg	U	YES															
Styrene	4.75		ug/Kg	U	YES	UJ							UJ							
tert-Butyl methyl ether (MTBE)	4.75		ug/Kg	U	YES															
tert-Butylbenzene	4.75		ug/Kg	U	YES															
Tetrachloroethene	4.75		ug/Kg	U	YES															
Toluene	0.836		ug/Kg	J	YES	J							J							
trans-1,2-Dichloroethene	4.75		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.75		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	23.7		ug/Kg	U	YES															
Trichloroethene	4.75		ug/Kg	U	YES															
Trichlorofluoromethane	4.75		ug/Kg	U	YES	UJ							UJ							
Vinyl chloride	4.75		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	327		ug/Kg	U	YES															
1,2-Dichlorobenzene	327		ug/Kg	U	YES															
1,3-Dichlorobenzene	327		ug/Kg	U	YES															
1,4-Dichlorobenzene	327		ug/Kg	U	YES															

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

4926

Sample Qualification Report (All Analytes)

Client Sample ID : E11-129-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879046

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
2,4,5-Trichlorophenol	327		ug/Kg	U	YES															
2,4,6-Trichlorophenol	327		ug/Kg	U	YES															
2,4-Dichlorophenol	327		ug/Kg	U	YES															
2,4-Dimethylphenol	327		ug/Kg	U	YES															
2,4-Dinitrotoluene	327		ug/Kg	U	YES															
2,6-Dinitrotoluene	327		ug/Kg	U	YES															
2-Chloronaphthalene	327		ug/Kg	U	YES															
2-Chlorophenol	327		ug/Kg	U	YES															
2-Methylnaphthalene	327		ug/Kg	U	YES															
2-Methylphenol	327		ug/Kg	U	YES															
2-Nitroaniline	327		ug/Kg	U	YES															
2-Nitrophenol	327		ug/Kg	U	YES															
3 and/or 4-Methylphenol	327		ug/Kg	U	YES															
3-Nitroaniline	327		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	327		ug/Kg	U	YES															
4-Chloro-3-methylphenol	327		ug/Kg	U	YES															
4-Chloroaniline	327		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	327		ug/Kg	U	YES															
4-Nitroaniline	327		ug/Kg	U	YES															
4-Nitrophenol	327		ug/Kg	U	YES															
Acenaphthene	327		ug/Kg	U	YES															
Acenaphthylene	327		ug/Kg	U	YES															
Anthracene	327		ug/Kg	U	YES															
Benzo(a)anthracene	327		ug/Kg	U	YES															
Benzo(a)pyrene	327		ug/Kg	U	YES															
Benzo(b)fluoranthene	327		ug/Kg	U	YES															

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

4927

Sample Qualification Report (All Analytes)

Client Sample ID : E11-129-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879046

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
Benzo(g,h,i)perylene	327		ug/Kg	U	YES															
Benzo(k)fluoranthene	327		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	327		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	327		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	327		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	327		ug/Kg	U	YES															
Butyl benzyl phthalate	327		ug/Kg	U	YES															
Chrysene	327		ug/Kg	U	YES															
Dibenz(a,h)anthracene	327		ug/Kg	U	YES															
Dibenzofuran	327		ug/Kg	U	YES															
Diethyl phthalate	327		ug/Kg	U	YES															
Dimethyl phthalate	327		ug/Kg	U	YES															
Di-n-butyl phthalate	327		ug/Kg	U	YES															
Di-n-octyl phthalate	327		ug/Kg	U	YES															
Fluoranthene	327		ug/Kg	U	YES															
Fluorene	327		ug/Kg	U	YES															
Hexachlorobenzene	327		ug/Kg	U	YES															
Hexachlorobutadiene	327		ug/Kg	U	YES															
Hexachlorocyclopentadiene	327		ug/Kg	U	YES															
Hexachloroethane	327		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	327		ug/Kg	U	YES															
Isophorone	327		ug/Kg	U	YES															
Naphthalene	327		ug/Kg	U	YES															
Nitrobenzene	327		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	327		ug/Kg	U	YES															
Pentachlorophenol	327		ug/Kg	U	YES	UJ														UJ

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

4928

Sample Qualification Report (All Analytes)

Client Sample ID : E11-129-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879046

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D		Dilution: 1																		
Phenanthrene	327		ug/Kg	U	YES															
Phenol	327		ug/Kg	U	YES															
Pyrene	327		ug/Kg	U	YES															

4929

Sample Qualification Report (All Analytes)

Client Sample ID : E11-130-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879047

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6010C																				
Dilution: 1																				
Arsenic	7.32		mg/kg		YES															
Barium	102		mg/kg		YES															
Cadmium	0.702		mg/kg		YES	U							U							
Chromium	3.52		mg/kg		YES															
Lead	22.3		mg/kg		YES	J							J							
Selenium	1.91		mg/kg	U	YES															
Silver	0.424		mg/kg	J	YES	U							U							
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.00338		mg/kg	J	YES															
Analysis Method : 8081																				
Dilution: 1																				
4,4'-DDD	9.70		ug/Kg	U	YES															
4,4'-DDE	9.70		ug/Kg	U	YES															
4,4'-DDT	9.70		ug/Kg	U	YES															
Aldrin	9.70		ug/Kg	U	YES															
alpha-BHC	9.70		ug/Kg	U	YES															
alpha-Chlordane	9.70		ug/Kg	U	YES															
beta-BHC	9.70		ug/Kg	U	YES															
Chlordane	32.3		ug/Kg	U	YES															
delta-BHC	9.70		ug/Kg	U	YES															
Dieldrin	9.70		ug/Kg	U	YES															
Endosulfan I	9.70		ug/Kg	U	YES															
Endosulfan II	9.70		ug/Kg	U	YES															
Endosulfan sulfate	9.70		ug/Kg	U	YES															
Endrin	9.70		ug/Kg	U	YES															
Endrin aldehyde	9.70		ug/Kg	U	YES															
Endrin ketone	9.70		ug/Kg	U	YES															
gamma-BHC (Lindane)	9.70		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/8/2011 08:22

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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

4930

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-130-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879047

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Molst Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8081</b>																				
<b>Dilution: 1</b>																				
gamma-Chlordane	9.70		ug/Kg	U	YES															
Heptachlor	9.70		ug/Kg	U	YES															
Heptachlor epoxide	9.70		ug/Kg	U	YES															
Methoxychlor	9.70		ug/Kg	U	YES															
Toxaphene	32.3		ug/Kg	U	YES															
<b>Analysis Method : 8151</b>																				
<b>Dilution: 1</b>																				
2,4,5-T	0.0166		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0166		mg/kg	U	YES															
2,4'-D	0.0166		mg/kg	U	YES															
2,4-DB	0.0166		mg/kg	U	YES															
Dicamba	0.0166		mg/kg	U	YES															
<b>Analysis Method : 8260B</b>																				
<b>Dilution: 1</b>																				
1,1,1,2-Tetrachloroethane	4.07		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.07		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.07		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.07		ug/Kg	U	YES															
1,1-Dichloroethane	4.07		ug/Kg	U	YES															
1,1-Dichloroethane	4.07		ug/Kg	U	YES															
1,1-Dichloropropene	4.07		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.07		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.07		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.07		ug/Kg	U	YES	UJ														
1,2,4-Trimethylbenzene	4.07		ug/Kg	U	YES	UJ														
1,2-Dibromo-3-chloropropane	24.4		ug/Kg	U	YES															
1,2-Dibromoethane	4.07		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.07		ug/Kg	U	YES															
1,2-Dichloroethane	4.07		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4931



# Sample Qualification Report (All Analytes)

Client Sample ID : E11-130-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879047

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2-Dichloropropane	4.07		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.07		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.07		ug/Kg	U	YES															
1,3-Dichloropropane	4.07		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.07		ug/Kg	U	YES															
2,2-Dichloropropane	4.07		ug/Kg	U	YES															
2-Butanone	9.23		ug/Kg	J	YES	J					J		J							
2-Chlorotoluene	4.07		ug/Kg	U	YES															
2-Hexanone	10.2		ug/Kg	U	YES															
4-Chlorotoluene	4.07		ug/Kg	U	YES															
4-Isopropyltoluene	4.07		ug/Kg	U	YES															
4-Methyl-2-pentanone	10.2		ug/Kg	U	YES															
Acetone	44.4		ug/Kg	U	YES	J					J		J							
Benzene	4.07		ug/Kg	U	YES															
Bromobenzene	4.07		ug/Kg	U	YES															
Bromochloromethane	4.07		ug/Kg	U	YES															
Bromodichloromethane	4.07		ug/Kg	U	YES															
Bromoform	4.07		ug/Kg	U	YES															
Bromomethane	4.07		ug/Kg	U	YES															
Carbon disulfide	4.07		ug/Kg	U	YES															
Carbon tetrachloride	4.07		ug/Kg	U	YES															
Chlorobenzene	4.07		ug/Kg	U	YES															
Chloroethane	4.07		ug/Kg	U	YES															
Chloroform	4.07		ug/Kg	U	YES															
Chloromethane	4.07		ug/Kg	U	YES															
cis-1,2-Dichloroethane	4.07		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4932

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-130-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879047

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
cis-1,3-Dichloropropene	4.07		ug/Kg	U	YES															
Dibromochloromethane	4.07		ug/Kg	U	YES															
Dibromomethane	4.07		ug/Kg	U	YES															
Dichlorodifluoromethane	4.07		ug/Kg	U	YES															
Ethyl Benzene	4.07		ug/Kg	U	YES															
Hexachlorobutadiene	4.07		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.07		ug/Kg	U	YES															
m,p-Xylene	8.13		ug/Kg	U	YES															
Methyl iodide	1.32		ug/Kg	J	YES	J							J							
Methylene chloride	9.47		ug/Kg	J	YES	UJ			U				J							
Naphthalene	4.07		ug/Kg	U	YES	UJ							UJ							
n-Butylbenzene	4.07		ug/Kg	U	YES															
n-Propylbenzene	4.07		ug/Kg	U	YES															
o-Xylene	4.07		ug/Kg	U	YES															
sec-Butylbenzene	4.07		ug/Kg	U	YES															
Styrene	4.07		ug/Kg	U	YES	UJ							UJ							
tert-Butyl methyl ether (MTBE)	4.07		ug/Kg	U	YES															
tert-Butylbenzene	4.07		ug/Kg	U	YES															
Tetrachloroethene	4.07		ug/Kg	U	YES															
Toluene	1.45		ug/Kg	J	YES	J							J							
trans-1,2-Dichloroethene	4.07		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.07		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	20.3		ug/Kg	U	YES															
Trichloroethene	4.07		ug/Kg	U	YES															
Trichlorofluoromethane	4.07		ug/Kg	U	YES	UJ							UJ							
Vinyl chloride	4.07		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4933

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-130-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879047

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	
Analysis Method : 8270D																					
Dilution: 1																					
1,2,4-Trichlorobenzene	325		ug/Kg	U	YES																
1,2-Dichlorobenzene	325		ug/Kg	U	YES																
1,3-Dichlorobenzene	325		ug/Kg	U	YES																
1,4-Dichlorobenzene	325		ug/Kg	U	YES																
2,4,6-Trichlorophenol	325		ug/Kg	U	YES																
2,4,6-Trichlorophenol	325		ug/Kg	U	YES																
2,4-Dichlorophenol	325		ug/Kg	U	YES																
2,4-Dimethylphenol	325		ug/Kg	U	YES																
2,4-Dinitrotoluene	325		ug/Kg	U	YES																
2,6-Dinitrotoluene	325		ug/Kg	U	YES																
2-Chloronaphthalene	325		ug/Kg	U	YES																
2-Chlorophenol	325		ug/Kg	U	YES																
2-Methylnaphthalene	325		ug/Kg	U	YES																
2-Methylphenol	325		ug/Kg	U	YES																
2-Nitroaniline	325		ug/Kg	U	YES																
2-Nitrophenol	325		ug/Kg	U	YES																
3 and/or 4-Methylphenol	325		ug/Kg	U	YES																
3-Nitroaniline	325		ug/Kg	U	YES																
4-Bromophenyl phenyl ether	325		ug/Kg	U	YES																
4-Chloro-3-methylphenol	325		ug/Kg	U	YES																
4-Chloroaniline	325		ug/Kg	U	YES																
4-Chlorophenyl phenyl ether	325		ug/Kg	U	YES																
4-Nitroaniline	325		ug/Kg	U	YES																
4-Nitrophenol	325		ug/Kg	U	YES																
Acenaphthene	325		ug/Kg	U	YES																
Acenaphthylene	325		ug/Kg	U	YES																

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4934

Sample Qualification Report (All Analytes)

Client Sample ID : E11-130-S4  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879047

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Molst Tot/DIs	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
Anthracene	325		ug/Kg	U	YES															
Benzo(a)anthracene	325		ug/Kg	U	YES															
Benzo(a)pyrene	325		ug/Kg	U	YES															
Benzo(b)fluoranthene	325		ug/Kg	U	YES															
Benzo(g,h,i)perylene	325		ug/Kg	U	YES															
Benzo(k)fluoranthene	325		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	325		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	325		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	325		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	325		ug/Kg	U	YES															
Butyl benzyl phthalate	325		ug/Kg	U	YES															
Chrysene	325		ug/Kg	U	YES															
Dibenz(a,h)anthracene	325		ug/Kg	U	YES															
Dibenzofuran	325		ug/Kg	U	YES															
Diethyl phthalate	325		ug/Kg	U	YES															
Dimethyl phthalate	325		ug/Kg	U	YES															
Di-n-butyl phthalate	325		ug/Kg	U	YES															
Di-n-octyl phthalate	325		ug/Kg	U	YES															
Fluoranthene	325		ug/Kg	U	YES															
Fluorene	325		ug/Kg	U	YES															
Hexachlorobenzene	325		ug/Kg	U	YES															
Hexachlorobutadiene	325		ug/Kg	U	YES															
Hexachlorocyclopentadiene	325		ug/Kg	U	YES															
Hexachloroethane	325		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	325		ug/Kg	U	YES															
Isophorone	325		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4935

Sample Qualification Report (All Analytes)

Client Sample ID : E11-130-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879047

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist ToUDIs	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
Naphthalene	325		ug/Kg	U	YES															
Nitrobenzene	325		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	325		ug/Kg	U	YES															
Pentachlorophenol	325		ug/Kg	U	YES	UJ				UJ										
Phenanthrene	325		ug/Kg	U	YES															
Phenol	325		ug/Kg	U	YES															
Pyrene	325		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4936

Sample Qualification Report (All Analytes)

Client Sample ID : E11-131-S1  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879002

Lab Report Batch : 31101879  
 Analysis Type: DL

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	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 10																				
4,4'-DDD	21.8		ug/Kg	J P	YES															
4,4'-DDD	21.8		ug/Kg	J P	YES															
4,4'-DDE	28.7		ug/Kg	J	YES															
4,4'-DDE	28.7		ug/Kg	J	YES															
4,4'-DDT	325		ug/Kg		YES															
4,4'-DDT	325		ug/Kg		YES															
Aldrin	97.6		ug/Kg	U	YES															
Aldrin	97.6		ug/Kg	U	YES															
alpha-BHC	97.6		ug/Kg	U	YES															
alpha-BHC	97.6		ug/Kg	U	YES															
alpha-Chlordane	97.6		ug/Kg	U	YES															
alpha-Chlordane	97.6		ug/Kg	U	YES															
beta-BHC	97.6		ug/Kg	U	YES															
beta-BHC	97.6		ug/Kg	U	YES															
Chlordane	325		ug/Kg	U	YES															
Chlordane	325		ug/Kg	U	YES															
delta-BHC	97.6		ug/Kg	U	YES															
delta-BHC	97.6		ug/Kg	U	YES															
Dieldrin	97.6		ug/Kg	U	YES															
Dieldrin	97.6		ug/Kg	U	YES															
Endosulfan I	97.6		ug/Kg	U	YES															
Endosulfan I	97.6		ug/Kg	U	YES															
Endosulfan II	97.6		ug/Kg	U	YES															
Endosulfan II	97.6		ug/Kg	U	YES															
Endosulfan sulfate	97.6		ug/Kg	U	YES															
Endosulfan sulfate	97.6		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4937

Sample Qualification Report (All Analytes)

Client Sample ID : E11-131-S1  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879002

Lab Report Batch : 31101879  
 Analysis Type: DL

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	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dls	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 10																				
Endrin	97.6		ug/Kg	U	YES															
Endrin	97.6		ug/Kg	U	YES															
Endrin aldehyde	97.6		ug/Kg	U	YES															
Endrin aldehyde	97.6		ug/Kg	U	YES															
Endrin ketone	97.6		ug/Kg	U	YES															
Endrin ketone	97.6		ug/Kg	U	YES															
gamma-BHC (Lindane)	97.6		ug/Kg	U	YES															
gamma-BHC (Lindane)	97.6		ug/Kg	U	YES															
gamma-Chlordane	97.6		ug/Kg	U	YES															
gamma-Chlordane	97.6		ug/Kg	U	YES															
Heptachlor	97.6		ug/Kg	U	YES															
Heptachlor	97.6		ug/Kg	U	YES															
Heptachlor epoxide	97.6		ug/Kg	U	YES															
Heptachlor epoxide	97.6		ug/Kg	U	YES															
Methoxychlor	97.6		ug/Kg	U	YES															
Methoxychlor	97.6		ug/Kg	U	YES															
Toxaphene	325		ug/Kg	U	YES															
Toxaphene	325		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 09:22

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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

4938

Sample Qualification Report (All Analytes)

Client Sample ID : E11-131-S1  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879002

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6010C																				
Dilution: 1																				
Arsenic	10.8		mg/kg		YES	J						J								
Barium	95.7		mg/kg		YES	J						J								
Cadmium	1.12		mg/kg		YES	J						J								
Chromium	6.93		mg/kg		YES															
Lead	23.4		mg/kg		YES	J						J								
Selenium	1.98		mg/kg	U	YES															
Silver	0.344		mg/kg	J	YES	U			U											
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.00143		mg/kg	J	YES	U			U											
Analysis Method : 8151																				
Dilution: 1																				
2,4,5-T	0.0160		mg/kg	U	YES															
2,4,5-T	0.0160		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0160		mg/kg	U	YES	UJ						UJ								
2,4,5-TP (Silvex)	0.0160		mg/kg	U	YES	UJ						UJ								
2,4-D	0.0160		mg/kg	U	YES	UJ						UJ								
2,4-D	0.0160		mg/kg	U	YES	UJ						UJ								
2,4-DB	0.0160		mg/kg	U	YES															
2,4-DB	0.0160		mg/kg	U	YES															
Dicamba	0.0160		mg/kg	U	YES															
Dicamba	0.0160		mg/kg	U	YES															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	3.92		ug/Kg	U	YES															
1,1,1-Trichloroethane	3.92		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	3.92		ug/Kg	U	YES															
1,1,2-Trichloroethane	3.92		ug/Kg	U	YES															
1,1-Dichloroethane	3.92		ug/Kg	U	YES	UJ						UJ								
1,1-Dichloroethane	3.92		ug/Kg	U	YES															

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

4939



# Sample Qualification Report (All Analytes)

Client Sample ID : E11-131-S1  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879002

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dls	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,1-Dichloropropene	3.92		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	3.92		ug/Kg	U	YES															
1,2,3-Trichloropropane	3.92		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	3.92		ug/Kg	U	YES															
1,2,4-Trimethylbenzene	3.92		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	23.5		ug/Kg	U	YES															
1,2-Dibromoethane	3.92		ug/Kg	U	YES															
1,2-Dichlorobenzene	3.92		ug/Kg	U	YES															
1,2-Dichloroethane	3.92		ug/Kg	U	YES															
1,2-Dichloropropane	3.92		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	3.92		ug/Kg	U	YES															
1,3-Dichlorobenzene	3.92		ug/Kg	U	YES															
1,3-Dichloropropane	3.92		ug/Kg	U	YES															
1,4-Dichlorobenzene	3.92		ug/Kg	U	YES															
2,2-Dichloropropane	3.92		ug/Kg	U	YES															
2-Butanone	9.27		ug/Kg	J	YES															
2-Chlorotoluene	3.92		ug/Kg	U	YES															
2-Hexanone	9.80		ug/Kg	U	YES															
4-Chlorotoluene	3.92		ug/Kg	U	YES															
4-Isopropyltoluene	3.92		ug/Kg	U	YES															
4-Methyl-2-pentanone	9.80		ug/Kg	U	YES															
Acetone	65.6		ug/Kg		YES															
Benzene	3.92		ug/Kg	U	YES															
Bromobenzene	3.92		ug/Kg	U	YES															
Bromochloromethane	3.92		ug/Kg	U	YES															
Bromodichloromethane	3.92		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4940

Sample Qualification Report (All Analytes)

Client Sample ID : E11-131-S1  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879002

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Molst Tot/Dls	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
Bromoform	3.92		ug/Kg	U	YES															
Bromomethane	3.92		ug/Kg	U	YES															
Carbon disulfide	3.92		ug/Kg	U	YES															
Carbon tetrachloride	3.92		ug/Kg	U	YES															
Chlorobenzene	3.92		ug/Kg	U	YES															
Chloroethane	3.92		ug/Kg	U	YES															
Chloroform	3.92		ug/Kg	U	YES															
Chloromethane	3.92		ug/Kg	U	YES															
cis-1,2-Dichloroethane	3.92		ug/Kg	U	YES															
cis-1,3-Dichloropropene	3.92		ug/Kg	U	YES															
Dibromochloromethane	3.92		ug/Kg	U	YES															
Dibromomethane	3.92		ug/Kg	U	YES															
Dichlorodifluoromethane	3.92		ug/Kg	U	YES															
Ethyl Benzene	3.92		ug/Kg	U	YES															
Hexachlorobutadiene	3.92		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	3.92		ug/Kg	U	YES															
m,p-Xylene	7.84		ug/Kg	U	YES															
Methyl iodide	3.92		ug/Kg	U	YES															
Methylene chloride	1.19		ug/Kg	J	YES	U				U										
Naphthalene	3.92		ug/Kg	U	YES															
n-Butylbenzene	3.92		ug/Kg	U	YES															
n-Propylbenzene	3.92		ug/Kg	U	YES															
o-Xylene	3.92		ug/Kg	U	YES															
sec-Butylbenzene	3.92		ug/Kg	U	YES															
Styrene	3.92		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	3.92		ug/Kg	U	YES															

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

4941

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-131-S1  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879002

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8260B</b>																				
Dilution: 1																				
tert-Butylbenzene	3.92		ug/Kg	U	YES															
Tetrachloroethene	3.92		ug/Kg	U	YES															
Toluene	2.31		ug/Kg	J	YES															
trans-1,2-Dichloroethene	3.92		ug/Kg	U	YES	UJ					UJ									
trans-1,3-Dichloropropene	3.92		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	19.6		ug/Kg	U	YES															
Trichloroethene	3.92		ug/Kg	U	YES															
Trichlorofluoromethane	3.92		ug/Kg	U	YES															
Vinyl chloride	3.92		ug/Kg	U	YES															
<b>Analysis Method : 8270D</b>																				
Dilution: 1																				
1,2,4-Trichlorobenzene	321		ug/Kg	U	YES															
1,2-Dichlorobenzene	321		ug/Kg	U	YES															
1,3-Dichlorobenzene	321		ug/Kg	U	YES															
1,4-Dichlorobenzene	321		ug/Kg	U	YES															
2,4,5-Trichlorophenol	321		ug/Kg	U	YES															
2,4,6-Trichlorophenol	321		ug/Kg	U	YES															
2,4-Dichlorophenol	321		ug/Kg	U	YES															
2,4-Dimethylphenol	321		ug/Kg	U	YES															
2,4-Dinitrotoluene	321		ug/Kg	U	YES															
2,6-Dinitrotoluene	321		ug/Kg	U	YES															
2-Chloronaphthalene	321		ug/Kg	U	YES															
2-Chlorophenol	321		ug/Kg	U	YES															
2-Methylnaphthalene	321		ug/Kg	U	YES															
2-Methylphenol	321		ug/Kg	U	YES															
2-Nitroaniline	321		ug/Kg	U	YES															
2-Nitrophenol	321		ug/Kg	U	YES															
3 and/or 4-Methylphenol	321		ug/Kg	U	YES															

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

4942

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-131-S1  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879002

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
3-Nitroaniline	321		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	321		ug/Kg	U	YES															
4-Chloro-3-methylphenol	321		ug/Kg	U	YES															
4-Chloroaniline	321		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	321		ug/Kg	U	YES															
4-Nitroaniline	321		ug/Kg	U	YES															
4-Nitrophenol	321		ug/Kg	U	YES															
Acenaphthene	321		ug/Kg	U	YES															
Acenaphthylene	321		ug/Kg	U	YES															
Anthracene	321		ug/Kg	U	YES															
Benzo(a)anthracene	321		ug/Kg	U	YES															
Benzo(a)pyrene	321		ug/Kg	U	YES															
Benzo(b)fluoranthene	321		ug/Kg	U	YES															
Benzo(g,h)perylene	321		ug/Kg	U	YES															
Benzo(k)fluoranthene	321		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	321		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	321		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	321		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	41.6		ug/Kg	J	YES															
Butyl benzyl phthalate	321		ug/Kg	U	YES															
Chrysene	321		ug/Kg	U	YES															
Dibenz(a,h)anthracene	321		ug/Kg	U	YES															
Dibenzofuran	321		ug/Kg	U	YES															
Diethyl phthalate	321		ug/Kg	U	YES															
Dimethyl phthalate	321		ug/Kg	U	YES															
Di-n-butyl phthalate	321		ug/Kg	U	YES															

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

Library Used: CampCarroll

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Report Date: 9/6/2011 08:22

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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

4943

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-131-S1  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879002

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CGV
Analysis Method : 8270D																				
Dilution: 1																				
Di-n-octyl phthalate	321		ug/Kg	U	YES															
Fluoranthene	321		ug/Kg	U	YES															
Fluorene	321		ug/Kg	U	YES															
Hexachlorobenzene	321		ug/Kg	U	YES															
Hexachlorobutadiene	321		ug/Kg	U	YES															
Hexachlorocyclopentadiene	321		ug/Kg	U	YES															
Hexachloroethane	321		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	321		ug/Kg	U	YES															
Isophorone	321		ug/Kg	U	YES															
Naphthalene	321		ug/Kg	U	YES															
Nitrobenzene	321		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	321		ug/Kg	U	YES															
Pentachlorophenol	321		ug/Kg	U	YES															
Phenanthrene	321		ug/Kg	U	YES															
Phenol	321		ug/Kg	U	YES															
Pyrene	321		ug/Kg	U	YES															

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

4944

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-131-S2  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879003

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dls	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 6010C</b>																				
<b>Dilution: 1</b>																				
Arsenic	4.97		mg/kg		YES	J						J								
Barium	150		mg/kg		YES	J						J								
Cadmium	0.974		mg/kg		YES	J						J								
Chromium	2.51		mg/kg		YES	J														
Lead	11.6		mg/kg		YES	J						J								
Selenium	2.08		mg/kg	U	YES	U														
Silver	0.475		mg/kg	J	YES	U							U							
<b>Analysis Method : 7471B</b>																				
<b>Dilution: 1</b>																				
Mercury	0.00221		mg/kg	J	YES	U							U							
<b>Analysis Method : 8081</b>																				
<b>Dilution: 1</b>																				
4,4'-DDD	9.32		ug/Kg	J	YES															
4,4'-DDD	9.32		ug/Kg	J	YES															
4,4'-DDE	5.87		ug/Kg	J	YES															
4,4'-DDE	5.87		ug/Kg	J	YES															
4,4'-DDT	41.1		ug/Kg		YES															
4,4'-DDT	41.1		ug/Kg		YES															
Aldrin	9.89		ug/Kg	U	YES															
Aldrin	9.89		ug/Kg	U	YES															
alpha-BHC	9.89		ug/Kg	U	YES															
alpha-BHC	9.89		ug/Kg	U	YES															
alpha-Chlordane	9.89		ug/Kg	U	YES															
alpha-Chlordane	9.89		ug/Kg	U	YES															
beta-BHC	9.89		ug/Kg	U	YES															
beta-BHC	9.89		ug/Kg	U	YES															
Chlordane	32.9		ug/Kg	U	YES															
Chlordane	32.9		ug/Kg	U	YES															
delta-BHC	9.89		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

41945

Sample Qualification Report (All Analytes)

Client Sample ID : E11-131-S2  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879003

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Molst ToUDIs	Field QC	Tune	IC	ICV	CV / GCV
Analysis Method : 8081																				
Dilution: 1																				
delta-BHC	9.89		ug/Kg	U	YES															
Dieldrin	0.706		ug/Kg	J P	YES															
Dieldrin	0.706		ug/Kg	J P	YES															
Endosulfan I	9.89		ug/Kg	U	YES															
Endosulfan I	9.89		ug/Kg	U	YES															
Endosulfan II	9.89		ug/Kg	U	YES															
Endosulfan II	9.89		ug/Kg	U	YES															
Endosulfan sulfate	9.89		ug/Kg	U	YES															
Endosulfan sulfate	9.89		ug/Kg	U	YES															
Endrin	9.89		ug/Kg	U	YES															
Endrin	9.89		ug/Kg	U	YES															
Endrin aldehyde	9.89		ug/Kg	U	YES															
Endrin aldehyde	9.89		ug/Kg	U	YES															
Endrin ketone	9.89		ug/Kg	U	YES															
Endrin ketone	9.89		ug/Kg	U	YES															
gamma-BHC (Lindane)	9.89		ug/Kg	U	YES															
gamma-BHC (Lindane)	9.89		ug/Kg	U	YES															
gamma-Chlordane	9.89		ug/Kg	U	YES															
gamma-Chlordane	9.89		ug/Kg	U	YES															
Heptachlor	9.89		ug/Kg	U	YES															
Heptachlor	9.89		ug/Kg	U	YES															
Heptachlor epoxide	9.89		ug/Kg	U	YES															
Heptachlor epoxide	9.89		ug/Kg	U	YES															
Methoxychlor	9.89		ug/Kg	U	YES															
Methoxychlor	9.89		ug/Kg	U	YES															
Toxaphene	32.9		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4946

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-131-S2  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879003

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist TotDis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8081</b>																				
Dilution: 1																				
Toxaphene	32.9		ug/Kg	U	YES															
<b>Analysis Method : 8151</b>																				
Dilution: 1																				
2,4,5-T	0.0169		mg/kg	U	YES															
2,4,5-T	0.0169		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0169		mg/kg	U	YES	UJ							UJ							
2,4,5-TP (Silvex)	0.0169		mg/kg	U	YES	UJ							UJ							
2,4-D	0.0169		mg/kg	U	YES	UJ							UJ							
2,4-D	0.0169		mg/kg	U	YES	UJ							UJ							
2,4-DB	0.0169		mg/kg	U	YES															
2,4-DB	0.0169		mg/kg	U	YES															
Dicamba	0.0169		mg/kg	U	YES															
Dicamba	0.0169		mg/kg	U	YES															
<b>Analysis Method : 8260B</b>																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.32		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.32		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.32		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.32		ug/Kg	U	YES															
1,1-Dichloroethane	4.32		ug/Kg	U	YES	UJ							UJ							
1,1-Dichloroethene	4.32		ug/Kg	U	YES															
1,1-Dichloropropene	4.32		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.32		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.32		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.32		ug/Kg	U	YES															
1,2,4-Trimethylbenzene	4.32		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	25.9		ug/Kg	U	YES															
1,2-Dibromoethane	4.32		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.32		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4947



Sample Qualification Report (All Analytes)

Client Sample ID : E11-131-S2  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879003

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2-Dichloroethane	4.32		ug/Kg	U	YES															
1,2-Dichloropropane	4.32		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.32		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.32		ug/Kg	U	YES															
1,3-Dichloropropane	4.32		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.32		ug/Kg	U	YES															
2,2-Dichloropropane	4.32		ug/Kg	U	YES															
2-Butanone	21.6		ug/Kg	U	YES															
2-Chlorotoluene	4.32		ug/Kg	U	YES															
2-Hexanone	10.8		ug/Kg	U	YES															
4-Chlorotoluene	4.32		ug/Kg	U	YES															
4-Isopropyltoluene	4.32		ug/Kg	U	YES															
4-Methyl-2-pentanone	10.8		ug/Kg	U	YES															
Acetone	43.2		ug/Kg	U	YES															
Benzene	4.32		ug/Kg	U	YES															
Bromobenzene	4.32		ug/Kg	U	YES															
Bromochloromethane	4.32		ug/Kg	U	YES															
Bromodichloromethane	4.32		ug/Kg	U	YES															
Bromoform	4.32		ug/Kg	U	YES															
Bromomethane	4.32		ug/Kg	U	YES															
Carbon disulfide	4.32		ug/Kg	U	YES															
Carbon tetrachloride	4.32		ug/Kg	U	YES															
Chlorobenzene	4.32		ug/Kg	U	YES															
Chloroethane	4.32		ug/Kg	U	YES															
Chloroform	4.32		ug/Kg	U	YES															
Chloromethane	4.32		ug/Kg	U	YES															

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

4948

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-131-S2  
 Sample Date : 07/14/2011  
 Lab Sample ID : 31101879003

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist ToUDis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
cis-1,2-Dichloroethene	4.32		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.32		ug/Kg	U	YES															
Dibromochloromethane	4.32		ug/Kg	U	YES															
Dibromomethane	4.32		ug/Kg	U	YES															
Dichlorodifluoromethane	4.32		ug/Kg	U	YES															
Ethyl Benzene	4.32		ug/Kg	U	YES															
Hexachlorobutadiene	4.32		ug/Kg	U	YES															
isopropylbenzene (Cumene)	4.32		ug/Kg	U	YES															
m,p-Xylene	8.65		ug/Kg	U	YES															
Methyl iodide	4.32		ug/Kg	U	YES															
Methylene chloride	17.3		ug/Kg	U	YES															
Naphthalene	4.32		ug/Kg	U	YES															
n-Butylbenzene	4.32		ug/Kg	U	YES															
n-Propylbenzene	4.32		ug/Kg	U	YES															
o-Xylene	4.32		ug/Kg	U	YES															
sec-Butylbenzene	4.32		ug/Kg	U	YES															
Styrene	4.32		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	4.32		ug/Kg	U	YES															
tert-Butylbenzene	4.32		ug/Kg	U	YES															
Tetrachloroethene	4.32		ug/Kg	U	YES															
Toluene	3.67		ug/Kg	J	YES															
trans-1,2-Dichloroethene	4.32		ug/Kg	U	YES	UJ														
trans-1,3-Dichloropropene	4.32		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	21.6		ug/Kg	U	YES															
Trichloroethene	4.32		ug/Kg	U	YES															
Trichlorofluoromethane	4.32		ug/Kg	U	YES															

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

49 49

Sample Qualification Report (All Analytes)

Client Sample ID : E11-131-S2  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879003

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8260B</b>																				
<b>Dilution: 1</b>																				
Vinyl chloride	4.32		ug/Kg	U	YES															
<b>Analysis Method : 8270D</b>																				
<b>Dilution: 1</b>																				
1,2,4-Trichlorobenzene	327		ug/Kg	U	YES															
1,2-Dichlorobenzene	327		ug/Kg	U	YES															
1,3-Dichlorobenzene	327		ug/Kg	U	YES															
1,4-Dichlorobenzene	327		ug/Kg	U	YES															
2,4,5-Trichlorophenol	327		ug/Kg	U	YES															
2,4,6-Trichlorophenol	327		ug/Kg	U	YES															
2,4-Dichlorophenol	327		ug/Kg	U	YES															
2,4-Dimethylphenol	327		ug/Kg	U	YES															
2,4-Dinitrotoluene	327		ug/Kg	U	YES															
2,6-Dinitrotoluene	327		ug/Kg	U	YES															
2-Chloronaphthalene	327		ug/Kg	U	YES															
2-Chlorophenol	327		ug/Kg	U	YES															
2-Methylnaphthalene	327		ug/Kg	U	YES															
2-Methylphenol	327		ug/Kg	U	YES															
2-Nitroaniline	327		ug/Kg	U	YES															
2-Nitrophenol	327		ug/Kg	U	YES															
3 and/or 4-Methylphenol	327		ug/Kg	U	YES															
3-Nitroaniline	327		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	327		ug/Kg	U	YES															
4-Chloro-3-methylphenol	327		ug/Kg	U	YES															
4-Chloroaniline	327		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	327		ug/Kg	U	YES															
4-Nitroaniline	327		ug/Kg	U	YES															
4-Nitrophenol	327		ug/Kg	U	YES															
Acenaphthene	327		ug/Kg	U	YES															

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

49 50

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-131-S2  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879003

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
Acenaphthylene	327		ug/Kg	U	YES															
Anthracene	327		ug/Kg	U	YES															
Benzo(a)anthracene	327		ug/Kg	U	YES															
Benzo(a)pyrene	327		ug/Kg	U	YES															
Benzo(b)fluoranthene	327		ug/Kg	U	YES															
Benzo(g,h,i)perylene	327		ug/Kg	U	YES															
Benzo(k)fluoranthene	327		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	327		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	327		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	327		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	327		ug/Kg	U	YES															
Butyl benzyl phthalate	327		ug/Kg	U	YES															
Chrysene	327		ug/Kg	U	YES															
Dibenz(a,h)anthracene	327		ug/Kg	U	YES															
Dibenzofuran	327		ug/Kg	U	YES															
Diethyl phthalate	327		ug/Kg	U	YES															
Dimethyl phthalate	327		ug/Kg	U	YES															
Di-n-butyl phthalate	327		ug/Kg	U	YES															
Di-n-octyl phthalate	327		ug/Kg	U	YES															
Fluoranthene	327		ug/Kg	U	YES															
Fluorene	327		ug/Kg	U	YES															
Hexachlorobenzene	327		ug/Kg	U	YES															
Hexachlorobutadiene	327		ug/Kg	U	YES															
Hexachlorocyclopentadiene	327		ug/Kg	U	YES															
Hexachloroethane	327		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	327		ug/Kg	U	YES															

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

4957

Sample Qualification Report (All Analytes)

Client Sample ID : E11-131-S2  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879003

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
Isophorone	327		ug/Kg	U	YES															
Naphthalene	327		ug/Kg	U	YES															
Nitrobenzene	327		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	327		ug/Kg	U	YES															
Pentachlorophenol	327		ug/Kg	U	YES															
Phenanthrene	327		ug/Kg	U	YES															
Phenol	327		ug/Kg	U	YES															
Pyrene	327		ug/Kg	U	YES															

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

4952

Sample Qualification Report (All Analytes)

Client Sample ID : E11-132-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879048

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6010C																				
Dilution: 1																				
Arsenic	8.76		mg/kg			YES														
Arsenic	8.76		mg/kg			YES														
Barium	128		mg/kg			YES														
Barium	128		mg/kg			YES														
Cadmium	1.43		mg/kg			YES														
Cadmium	1.43		mg/kg			YES														
Chromium	2.95		mg/kg			YES														
Chromium	2.95		mg/kg			YES														
Lead	16.3		mg/kg			YES														
Lead	16.3		mg/kg			YES														
Selenium	2.06		mg/kg	U		YES														
Selenium	2.06		mg/kg	U		YES														
Silver	0.533		mg/kg	J	YES	U							U							
Silver	0.533		mg/kg	J	YES	U							U							
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.00155		mg/kg	J	YES															
Analysis Method : 8081																				
Dilution: 1																				
4,4'-DDD	1.73		ug/Kg	J	YES															
4,4'-DDD	1.73		ug/Kg	J	YES															
4,4'-DDE	19.7		ug/Kg		YES															
4,4'-DDE	19.7		ug/Kg		YES															
4,4'-DDT	30.4		ug/Kg		YES															
4,4'-DDT	30.4		ug/Kg		YES															
Aldrin	10.2		ug/Kg	U	YES															
Aldrin	10.2		ug/Kg	U	YES															
alpha-BHC	10.2		ug/Kg	U	YES															
alpha-BHC	10.2		ug/Kg	U	YES															

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

4953

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-132-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879048

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist To/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 1																				
alpha-Chlordane	10.2		ug/Kg	U	YES															
alpha-Chlordane	10.2		ug/Kg	U	YES															
beta-BHC	10.2		ug/Kg	U	YES															
beta-BHC	10.2		ug/Kg	U	YES															
Chlordane	34.0		ug/Kg	U	YES															
Chlordane	34.0		ug/Kg	U	YES															
delta-BHC	10.2		ug/Kg	U	YES															
delta-BHC	10.2		ug/Kg	U	YES															
Dieldrin	10.2		ug/Kg	U	YES															
Dieldrin	10.2		ug/Kg	U	YES															
Endosulfan I	10.2		ug/Kg	U	YES															
Endosulfan I	10.2		ug/Kg	U	YES															
Endosulfan II	10.2		ug/Kg	U	YES															
Endosulfan II	10.2		ug/Kg	U	YES															
Endosulfan sulfate	10.2		ug/Kg	U	YES															
Endosulfan sulfate	10.2		ug/Kg	U	YES															
Endrin	10.2		ug/Kg	U	YES															
Endrin	10.2		ug/Kg	U	YES															
Endrin aldehyde	0.712		ug/Kg	J	YES															
Endrin aldehyde	0.712		ug/Kg	J	YES															
Endrin ketone	10.2		ug/Kg	U	YES															
Endrin ketone	10.2		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.2		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.2		ug/Kg	U	YES															
gamma-Chlordane	10.2		ug/Kg	U	YES															
gamma-Chlordane	10.2		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4954

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-132-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879048

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8081</b>																				
<b>Dilution: 1</b>																				
Heptachlor	10.2		ug/Kg	U	YES															
Heptachlor	10.2		ug/Kg	U	YES															
Heptachlor epoxide	10.2		ug/Kg	U	YES															
Heptachlor epoxide	10.2		ug/Kg	U	YES															
Methoxychlor	10.2		ug/Kg	U	YES															
Methoxychlor	10.2		ug/Kg	U	YES															
Toxaphene	34.0		ug/Kg	U	YES															
Toxaphene	34.0		ug/Kg	U	YES															
<b>Analysis Method : 8151</b>																				
<b>Dilution: 1</b>																				
2,4,5-T	0.0172		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0172		mg/kg	U	YES															
2,4'-D	0.0172		mg/kg	U	YES															
2,4-DB	0.0172		mg/kg	U	YES															
Dicamba	0.0172		mg/kg	U	YES															
<b>Analysis Method : 8260B</b>																				
<b>Dilution: 1</b>																				
1,1,1,2-Tetrachloroethane	4.15		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.15		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.15		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.15		ug/Kg	U	YES															
1,1-Dichloroethane	4.15		ug/Kg	U	YES															
1,1-Dichloroethene	4.15		ug/Kg	U	YES															
1,1-Dichloropropene	4.15		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.15		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.15		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.15		ug/Kg	U	YES	UJ														
1,2,4-Trimethylbenzene	4.15		ug/Kg	U	YES	UJ														
1,2-Dibromo-3-chloropropane	24.9		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4955



# Sample Qualification Report (All Analytes)

Client Sample ID : E11-132-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879048

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist ToUJIs	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2-Dibromoethane	4.15		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.15		ug/Kg	U	YES															
1,2-Dichloroethane	4.15		ug/Kg	U	YES															
1,2-Dichloropropane	4.15		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.15		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.15		ug/Kg	U	YES															
1,3-Dichloropropane	4.15		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.15		ug/Kg	U	YES															
2,2-Dichloropropane	4.15		ug/Kg	U	YES															
2-Butanone	2.47		ug/Kg	J	YES	J					J		J							
2-Chlorotoluene	4.15		ug/Kg	U	YES															
2-Hexanone	10.4		ug/Kg	U	YES															
4-Chlorotoluene	4.15		ug/Kg	U	YES															
4-Isopropyltoluene	4.15		ug/Kg	U	YES															
4-Methyl-2-pentanone	10.4		ug/Kg	U	YES															
Acetone	10.5		ug/Kg	J	YES	J					J		J							
Benzene	4.15		ug/Kg	U	YES															
Bromobenzene	4.15		ug/Kg	U	YES															
Bromochloromethane	4.15		ug/Kg	U	YES															
Bromodichloromethane	4.15		ug/Kg	U	YES															
Bromoform	4.15		ug/Kg	U	YES															
Bromomethane	4.15		ug/Kg	U	YES															
Carbon disulfide	4.15		ug/Kg	U	YES															
Carbon tetrachloride	4.15		ug/Kg	U	YES															
Chlorobenzene	4.15		ug/Kg	U	YES															
Chloroethane	4.15		ug/Kg	U	YES															

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

4956

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-132-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879048

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
Chloroform	4.15		ug/Kg	U	YES															
Chloromethane	4.15		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.15		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.15		ug/Kg	U	YES															
Dibromochloromethane	4.15		ug/Kg	U	YES															
Dibromomethane	4.15		ug/Kg	U	YES															
Dichlorodifluoromethane	4.15		ug/Kg	U	YES															
Ethyl Benzene	4.15		ug/Kg	U	YES															
Hexachlorobutadiene	4.15		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.15		ug/Kg	U	YES															
m,p-Xylene	8.31		ug/Kg	U	YES															
Methyl iodide	4.15		ug/Kg	U	YES															
Methylene chloride	2.42		ug/Kg	J	YES	UJ			U					J						
Naphthalene	4.15		ug/Kg	U	YES	UJ					UJ									
n-Butylbenzene	4.15		ug/Kg	U	YES															
n-Propylbenzene	4.15		ug/Kg	U	YES															
o-Xylene	4.15		ug/Kg	U	YES															
sec-Butylbenzene	4.15		ug/Kg	U	YES															
Styrene	4.15		ug/Kg	U	YES	UJ					UJ									
tert-Butyl methyl ether (MTBE)	4.15		ug/Kg	U	YES															
tert-Butylbenzene	4.15		ug/Kg	U	YES															
Tetrachloroethene	4.15		ug/Kg	U	YES															
Toluene	0.631		ug/Kg	J	YES	J								J						
trans-1,2-Dichloroethene	4.15		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.15		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	20.8		ug/Kg	U	YES															

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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

4957

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-132-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879048

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Molst Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8260B</b>				<b>Dilution: 1</b>																
Trichloroethane	4.15		ug/Kg	U	YES															
Trichlorofluoromethane	4.15		ug/Kg	U	YES	UJ						UJ								
Vinyl chloride	4.15		ug/Kg	U	YES															
<b>Analysis Method : 8270D</b>				<b>Dilution: 1</b>																
1,2,4-Trichlorobenzene	343		ug/Kg	U	YES															
1,2-Dichlorobenzene	343		ug/Kg	U	YES															
1,3-Dichlorobenzene	343		ug/Kg	U	YES															
1,4-Dichlorobenzene	343		ug/Kg	U	YES															
2,4,5-Trichlorophenol	343		ug/Kg	U	YES															
2,4,6-Trichlorophenol	343		ug/Kg	U	YES															
2,4-Dichlorophenol	343		ug/Kg	U	YES															
2,4-Dimethylphenol	343		ug/Kg	U	YES															
2,4-Dinitrotoluene	343		ug/Kg	U	YES															
2,6-Dinitrotoluene	343		ug/Kg	U	YES															
2-Chloronaphthalene	343		ug/Kg	U	YES															
2-Chlorophenol	343		ug/Kg	U	YES															
2-Methylnaphthalene	343		ug/Kg	U	YES															
2-Methylphenol	343		ug/Kg	U	YES															
2-Nitroaniline	343		ug/Kg	U	YES															
2-Nitrophenol	343		ug/Kg	U	YES															
3 and/or 4-Methylphenol	343		ug/Kg	U	YES															
3-Nitroaniline	343		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	343		ug/Kg	U	YES															
4-Chloro-3-methylphenol	343		ug/Kg	U	YES															
4-Chloroaniline	343		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	343		ug/Kg	U	YES															
4-Nitroaniline	343		ug/Kg	U	YES															

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

4958

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-132-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879048

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	
Analysis Method : 8270D																					
Dilution: 1																					
4-Nitrophenol	343		ug/Kg	U	YES																
Acenaphthene	343		ug/Kg	U	YES																
Acenaphthylene	343		ug/Kg	U	YES																
Anthracene	343		ug/Kg	U	YES																
Benzo(a)anthracene	343		ug/Kg	U	YES																
Benzo(a)pyrene	343		ug/Kg	U	YES																
Benzo(b)fluoranthene	343		ug/Kg	U	YES																
Benzo(g,h,i)perylene	343		ug/Kg	U	YES																
Benzo(k)fluoranthene	343		ug/Kg	U	YES																
Bis(2-Chloroethoxy)methane	343		ug/Kg	U	YES																
Bis(2-Chloroethyl)ether	343		ug/Kg	U	YES																
Bis(2-Chloroisopropyl)ether	343		ug/Kg	U	YES																
Bis(2-Ethylhexyl)phthalate	343		ug/Kg	U	YES																
Butyl benzyl phthalate	343		ug/Kg	U	YES																
Chrysene	343		ug/Kg	U	YES																
Dibenz(a,h)anthracene	343		ug/Kg	U	YES																
Dibenzofuran	343		ug/Kg	U	YES																
Diethyl phthalate	343		ug/Kg	U	YES																
Dimethyl phthalate	343		ug/Kg	U	YES																
Di-n-butyl phthalate	343		ug/Kg	U	YES																
Di-n-octyl phthalate	343		ug/Kg	U	YES																
Fluoranthene	343		ug/Kg	U	YES																
Fluorene	343		ug/Kg	U	YES																
Hexachlorobenzene	343		ug/Kg	U	YES																
Hexachlorobuladiene	343		ug/Kg	U	YES																
Hexachlorocyclopentadiene	343		ug/Kg	U	YES																

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

4959

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-132-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879048

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Ds	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8270D																				
Dilution: 1																				
Hexachloroethane	343		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	343		ug/Kg	U	YES															
Isophorone	343		ug/Kg	U	YES															
Naphthalene	343		ug/Kg	U	YES															
Nitrobenzene	343		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	343		ug/Kg	U	YES															
Pentachlorophenol	343		ug/Kg	U	YES	UJ					UJ									
Phenanthrene	343		ug/Kg	U	YES															
Phenol	343		ug/Kg	U	YES															
Pyrene	343		ug/Kg	U	YES															

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

4960

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-132-S2  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879049

Lab Report Batch : 31101879  
 Analysis Type: DL

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	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 20																				
4,4'-DDD	440		ug/Kg			YES														
4,4'-DDD	440		ug/Kg			YES														
4,4'-DDE	200		ug/Kg	U		YES														
4,4'-DDE	200		ug/Kg	U		YES														
4,4'-DDT	229		ug/Kg			YES														
4,4'-DDT	229		ug/Kg			YES														
Aldrin	200		ug/Kg	U		YES														
Aldrin	200		ug/Kg	U		YES														
alpha-BHC	200		ug/Kg	U		YES														
alpha-BHC	200		ug/Kg	U		YES														
alpha-Chlordane	200		ug/Kg	U		YES														
alpha-Chlordane	200		ug/Kg	U		YES														
beta-BHC	200		ug/Kg	U		YES														
beta-BHC	200		ug/Kg	U		YES														
Chlordane	665		ug/Kg	U		YES														
Chlordane	665		ug/Kg	U		YES														
delta-BHC	200		ug/Kg	U		YES														
delta-BHC	200		ug/Kg	U		YES														
Dieldrin	200		ug/Kg	U		YES														
Dieldrin	200		ug/Kg	U		YES														
Endosulfan I	200		ug/Kg	U		YES														
Endosulfan I	200		ug/Kg	U		YES														
Endosulfan II	200		ug/Kg	U		YES														
Endosulfan II	200		ug/Kg	U		YES														
Endosulfan sulfate	200		ug/Kg	U		YES														
Endosulfan sulfate	200		ug/Kg	U		YES														

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

49 61

Sample Qualification Report (All Analytes)

Client Sample ID : E11-132-S2  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879049

Lab Report Batch : 31101879  
 Analysis Type: DL

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Ras	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dls	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 20																				
Endrin	200		ug/Kg	U	YES															
Endrin	200		ug/Kg	U	YES															
Endrin aldehyde	200		ug/Kg	U	YES															
Endrin aldehyde	200		ug/Kg	U	YES															
Endrin ketone	200		ug/Kg	U	YES															
Endrin ketone	200		ug/Kg	U	YES															
gamma-BHC (Lindane)	237		ug/Kg		YES															
gamma-BHC (Lindane)	237		ug/Kg		YES															
gamma-Chlordane	200		ug/Kg	U	YES															
gamma-Chlordane	200		ug/Kg	U	YES															
Heptachlor	200		ug/Kg	U	YES															
Heptachlor	200		ug/Kg	U	YES															
Heptachlor epoxide	200		ug/Kg	U	YES															
Heptachlor epoxide	200		ug/Kg	U	YES															
Methoxychlor	200		ug/Kg	U	YES															
Methoxychlor	200		ug/Kg	U	YES															
Toxaphene	665		ug/Kg	U	YES															
Toxaphene	665		ug/Kg	U	YES															

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

4962

Sample Qualification Report (All Analytes)

Client Sample ID : E11-132-S2  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879049

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dls	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6010C																				
Dilution: 1																				
Arsenic	3.26		mg/kg		YES															
Arsenic	3.26		mg/kg		YES															
Barium	71.1		mg/kg		YES															
Barium	71.1		mg/kg		YES															
Cadmium	0.431		mg/kg	J	YES															
Cadmium	0.431		mg/kg	J	YES															
Chromium	3.87		mg/kg		YES															
Chromium	3.87		mg/kg		YES															
Lead	7.95		mg/kg		YES															
Lead	7.95		mg/kg		YES															
Selenium	1.81		mg/kg	U	YES															
Selenium	1.81		mg/kg	U	YES															
Silver	0.180		mg/kg	J	YES	U														
Silver	0.180		mg/kg	J	YES	U														
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.0191		mg/kg	U	YES															
Analysis Method : 8151																				
Dilution: 1																				
2,4,5-T	0.0166		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0166		mg/kg	U	YES															
2,4-D	0.0166		mg/kg	U	YES															
2,4-DB	0.0166		mg/kg	U	YES															
Dicamba	0.0166		mg/kg	U	YES															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.70		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.70		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.70		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.70		ug/Kg	U	YES															

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

4963



# Sample Qualification Report (All Analytes)

Client Sample ID : E11-132-S2  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879049

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,1-Dichloroethane	4.70		ug/Kg	U	YES															
1,1-Dichloroethene	4.70		ug/Kg	U	YES															
1,1-Dichloropropene	4.70		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.70		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.70		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.70		ug/Kg	U	YES	UJ					UJ									
1,2,4-Trimethylbenzene	4.70		ug/Kg	U	YES	UJ					UJ									
1,2-Dibromo-3-chloropropane	28.2		ug/Kg	U	YES															
1,2-Dibromoethane	4.70		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.70		ug/Kg	U	YES															
1,2-Dichloroethane	4.70		ug/Kg	U	YES															
1,2-Dichloropropane	4.70		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.70		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.70		ug/Kg	U	YES															
1,3-Dichloropropane	4.70		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.70		ug/Kg	U	YES															
2,2-Dichloropropane	4.70		ug/Kg	U	YES															
2-Butanone	23.5		ug/Kg	U	YES															
2-Chlorotoluene	4.70		ug/Kg	U	YES															
2-Hexanone	11.7		ug/Kg	U	YES															
4-Chlorotoluene	4.70		ug/Kg	U	YES															
4-Isopropyltoluene	4.70		ug/Kg	U	YES															
4-Methyl-2-pentanone	11.7		ug/Kg	U	YES															
Acetone	6.28		ug/Kg	J	YES	J					J		J							
Benzene	4.70		ug/Kg	U	YES															
Bromobenzene	4.70		ug/Kg	U	YES															

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

4964

Sample Qualification Report (All Analytes)

Client Sample ID : E11-132-S2  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879049

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Molst Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
Bromochloromethane	4.70		ug/Kg	U	YES															
Bromodichloromethane	4.70		ug/Kg	U	YES															
Bromoform	4.70		ug/Kg	U	YES															
Bromomethane	4.70		ug/Kg	U	YES															
Carbon disulfide	4.70		ug/Kg	U	YES															
Carbon tetrachloride	4.70		ug/Kg	U	YES															
Chlorobenzene	4.70		ug/Kg	U	YES															
Chloroethane	4.70		ug/Kg	U	YES															
Chloroform	4.70		ug/Kg	U	YES															
Chloromethane	4.70		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.70		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.70		ug/Kg	U	YES															
Dibromochloromethane	4.70		ug/Kg	U	YES															
Dibromomethane	4.70		ug/Kg	U	YES															
Dichlorodifluoromethane	4.70		ug/Kg	U	YES															
Ethyl Benzene	4.70		ug/Kg	U	YES															
Hexachlorobutadiene	4.70		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.70		ug/Kg	U	YES															
m,p-Xylene	9.99		ug/Kg	U	YES															
Methyl iodide	4.70		ug/Kg	U	YES															
Methylene chloride	1.55		ug/Kg	J	YES	UJ			U					J						
Naphthalene	4.70		ug/Kg	U	YES	UJ					UJ									
n-Butylbenzene	4.70		ug/Kg	U	YES															
n-Propylbenzene	4.70		ug/Kg	U	YES															
o-Xylene	4.70		ug/Kg	U	YES															
sec-Butylbenzene	4.70		ug/Kg	U	YES															

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

4965

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-132-S2  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879049

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8260B</b>																				
<b>Dilution: 1</b>																				
Styrene	4.70		ug/Kg	U	YES	UJ					UJ									
tert-Butyl methyl ether (MTBE)	4.70		ug/Kg	U	YES															
tert-Butylbenzene	4.70		ug/Kg	U	YES															
Tetrachloroethene	4.70		ug/Kg	U	YES															
Toluene	1.08		ug/Kg	J	YES	J							J							
trans-1,2-Dichloroethene	4.70		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.70		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	23.5		ug/Kg	U	YES															
Trichloroethene	4.70		ug/Kg	U	YES															
Trichlorofluoromethane	4.70		ug/Kg	U	YES	UJ					UJ									
Vinyl chloride	4.70		ug/Kg	U	YES															
<b>Analysis Method : 8270D</b>																				
<b>Dilution: 1</b>																				
1,2,4-Trichlorobenzene	324		ug/Kg	U	YES															
1,2-Dichlorobenzene	324		ug/Kg	U	YES															
1,3-Dichlorobenzene	324		ug/Kg	U	YES															
1,4-Dichlorobenzene	324		ug/Kg	U	YES															
2,4,5-Trichlorophenol	324		ug/Kg	U	YES															
2,4,6-Trichlorophenol	324		ug/Kg	U	YES															
2,4-Dichlorophenol	324		ug/Kg	U	YES															
2,4-Dimethylphenol	324		ug/Kg	U	YES															
2,4-Dinitrotoluene	324		ug/Kg	U	YES															
2,6-Dinitrotoluene	324		ug/Kg	U	YES															
2-Chloronaphthalene	324		ug/Kg	U	YES															
2-Chlorophenol	324		ug/Kg	U	YES															
2-Methylnaphthalene	324		ug/Kg	U	YES															
2-Methylphenol	324		ug/Kg	U	YES															
2-Nitroaniline	324		ug/Kg	U	YES															

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

4966

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-132-S2  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879049

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Quali*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D		Dilution: 1																		
2-Nitrophenol	324		ug/Kg	U	YES															
3 and/or 4-Methylphenol	324		ug/Kg	U	YES															
3-Nitroaniline	324		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	324		ug/Kg	U	YES															
4-Chloro-3-methylphenol	324		ug/Kg	U	YES															
4-Chloroaniline	324		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	324		ug/Kg	U	YES															
4-Nitroaniline	324		ug/Kg	U	YES															
4-Nitrophenol	324		ug/Kg	U	YES															
Acenaphthene	324		ug/Kg	U	YES															
Acenaphthylene	324		ug/Kg	U	YES															
Anthracene	324		ug/Kg	U	YES															
Benzo(a)anthracene	324		ug/Kg	U	YES															
Benzo(a)pyrene	324		ug/Kg	U	YES															
Benzo(b)fluoranthene	324		ug/Kg	U	YES															
Benzo(g,h,i)perylene	324		ug/Kg	U	YES															
Benzo(k)fluoranthene	324		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	324		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	324		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	324		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	324		ug/Kg	U	YES															
Butyl benzyl phthalate	324		ug/Kg	U	YES															
Chrysene	324		ug/Kg	U	YES															
Dibenz(a,h)anthracene	324		ug/Kg	U	YES															
Dibenzofuran	324		ug/Kg	U	YES															
Diethyl phthalate	324		ug/Kg	U	YES															

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

Library Used: CampCarroll

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Report Date: 9/6/2011 08:22

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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

4967

Sample Qualification Report (All Analytes)

Client Sample ID : E11-132-S2  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879049

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
Dimethyl phthalate	324		ug/Kg	U	YES															
Di-n-butyl phthalate	324		ug/Kg	U	YES															
Di-n-octyl phthalate	324		ug/Kg	U	YES															
Fluoranthene	324		ug/Kg	U	YES															
Fluorene	324		ug/Kg	U	YES															
Hexachlorobenzene	324		ug/Kg	U	YES															
Hexachlorobutadiene	324		ug/Kg	U	YES															
Hexachlorocyclopentadiene	324		ug/Kg	U	YES															
Hexachloroethane	324		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	324		ug/Kg	U	YES															
Isophorone	324		ug/Kg	U	YES															
Naphthalene	324		ug/Kg	U	YES															
Nitrobenzene	324		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	324		ug/Kg	U	YES															
Pentachlorophenol	324		ug/Kg	U	YES	UJ					UJ									
Phenanthrene	324		ug/Kg	U	YES															
Phenol	324		ug/Kg	U	YES															
Pyrene	324		ug/Kg	U	YES															

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

4968

Sample Qualification Report (All Analytes)

Client Sample ID : E11-133-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879050

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6010C																				
Dilution: 1																				
Arsenic	8.33		mg/kg		YES															
Arsenic	8.33		mg/kg		YES															
Barium	105		mg/kg		YES															
Barium	105		mg/kg		YES															
Cadmium	0.740		mg/kg		YES															
Cadmium	0.740		mg/kg		YES															
Chromium	3.45		mg/kg		YES															
Chromium	3.45		mg/kg		YES															
Lead	10.9		mg/kg		YES															
Lead	10.9		mg/kg		YES															
Selenium	2.18		mg/kg	U	YES															
Selenium	2.18		mg/kg	U	YES															
Silver	0.414		mg/kg	J	YES	U														
Silver	0.414		mg/kg	J	YES	U														
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.0210		mg/kg	U	YES															
Analysis Method : 8081																				
Dilution: 1																				
4,4'-DDD	0.784		ug/Kg	J P	YES															
4,4'-DDD	0.784		ug/Kg	J P	YES															
4,4'-DDE	6.01		ug/Kg	J	YES															
4,4'-DDE	6.01		ug/Kg	J	YES															
4,4'-DDT	7.17		ug/Kg	J	YES															
4,4'-DDT	7.17		ug/Kg	J	YES															
Aldrin	10.3		ug/Kg	U	YES															
Aldrin	10.3		ug/Kg	U	YES															
alpha-BHC	10.3		ug/Kg	U	YES															
alpha-BHC	10.3		ug/Kg	U	YES															

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

4969

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-133-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879050

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8061																				
Dilution: 1																				
alpha-Chlordane	10.3		ug/Kg	U	YES															
alpha-Chlordane	10.3		ug/Kg	U	YES															
beta-BHC	10.3		ug/Kg	U	YES															
beta-BHC	10.3		ug/Kg	U	YES															
Chlordane	34.4		ug/Kg	U	YES															
Chlordane	34.4		ug/Kg	U	YES															
delta-BHC	10.3		ug/Kg	U	YES															
delta-BHC	10.3		ug/Kg	U	YES															
Dieldrin	0.918		ug/Kg	J	YES															
Dieldrin	0.918		ug/Kg	J	YES															
Endosulfan I	10.3		ug/Kg	U	YES															
Endosulfan I	10.3		ug/Kg	U	YES															
Endosulfan II	10.3		ug/Kg	U	YES															
Endosulfan II	10.3		ug/Kg	U	YES															
Endosulfan sulfate	10.3		ug/Kg	U	YES															
Endosulfan sulfate	10.3		ug/Kg	U	YES															
Endrin	10.3		ug/Kg	U	YES															
Endrin	10.3		ug/Kg	U	YES															
Endrin aldehyde	10.3		ug/Kg	U	YES															
Endrin aldehyde	10.3		ug/Kg	U	YES															
Endrin ketone	10.3		ug/Kg	U	YES															
Endrin ketone	10.3		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.3		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.3		ug/Kg	U	YES															
gamma-Chlordane	10.3		ug/Kg	U	YES															
gamma-Chlordane	10.3		ug/Kg	U	YES															

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

4970

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-133-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879050

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8081</b>																				
<b>Dilution: 1</b>																				
Heptachlor	10.3		ug/Kg	U	YES															
Heptachlor	10.3		ug/Kg	U	YES															
Heptachlor epoxide	10.3		ug/Kg	U	YES															
Heptachlor epoxide	10.3		ug/Kg	U	YES															
Methoxychlor	10.3		ug/Kg	U	YES															
Methoxychlor	10.3		ug/Kg	U	YES															
Toxaphene	34.4		ug/Kg	U	YES															
Toxaphene	34.4		ug/Kg	U	YES															
<b>Analysis Method : 8151</b>																				
<b>Dilution: 1</b>																				
2,4,5-T	0.0173		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0173		mg/kg	U	YES															
2,4'-D	0.0173		mg/kg	U	YES															
2,4-DB	0.0173		mg/kg	U	YES															
Dicamba	0.0173		mg/kg	U	YES															
<b>Analysis Method : 8260B</b>																				
<b>Dilution: 1</b>																				
1,1,1,2-Tetrachloroethane	3.96		ug/Kg	U	YES															
1,1,1-Trichloroethane	3.96		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	3.96		ug/Kg	U	YES															
1,1,2-Trichloroethane	3.96		ug/Kg	U	YES															
1,1-Dichloroethane	3.96		ug/Kg	U	YES															
1,1-Dichloroethene	3.96		ug/Kg	U	YES															
1,1-Dichloropropene	3.96		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	3.96		ug/Kg	U	YES															
1,2,3-Trichloropropane	3.96		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	3.96		ug/Kg	U	YES	UJ														
1,2,4-Trimethylbenzene	3.96		ug/Kg	U	YES	UJ														
1,2-Dibromo-3-chloropropane	23.8		ug/Kg	U	YES															

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

4971



Sample Qualification Report (All Analytes)

Client Sample ID : E11-133-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879050

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/DIs	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2-Dibromoethane	3.96		ug/Kg	U	YES															
1,2-Dichlorobenzene	3.96		ug/Kg	U	YES															
1,2-Dichloroethane	3.96		ug/Kg	U	YES															
1,2-Dichloropropane	3.96		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	3.96		ug/Kg	U	YES															
1,3-Dichlorobenzene	3.96		ug/Kg	U	YES															
1,3-Dichloropropane	3.96		ug/Kg	U	YES															
1,4-Dichlorobenzene	3.96		ug/Kg	U	YES															
2,2-Dichloropropane	3.96		ug/Kg	U	YES															
2-Butanone	5.56		ug/Kg	J	YES	J					J		J							
2-Chlorololuene	3.96		ug/Kg	U	YES															
2-Hexanone	9.90		ug/Kg	U	YES															
4-Chlorololuene	3.96		ug/Kg	U	YES															
4-Isopropyltoluene	3.96		ug/Kg	U	YES															
4-Methyl-2-pentanone	9.90		ug/Kg	U	YES															
Acetone	23.3		ug/Kg	J	YES	J					J		J							
Benzene	3.96		ug/Kg	U	YES															
Bromobenzene	3.96		ug/Kg	U	YES															
Bromochloromethane	3.96		ug/Kg	U	YES															
Bromodichloromethane	3.96		ug/Kg	U	YES															
Bromofom	3.96		ug/Kg	U	YES															
Bromomethane	3.96		ug/Kg	U	YES															
Carbon disulfide	3.96		ug/Kg	U	YES															
Carbon tetrachloride	3.96		ug/Kg	U	YES															
Chlorobenzene	3.96		ug/Kg	U	YES															
Chloroethane	3.96		ug/Kg	U	YES															

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

4972

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-133-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879050

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist ToUDis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
Chloroform	3.96		ug/Kg	U	YES															
Chloromethane	3.96		ug/Kg	U	YES															
cis-1,2-Dichloroethene	3.96		ug/Kg	U	YES															
cis-1,3-Dichloropropene	3.96		ug/Kg	U	YES															
Dibromochloromethane	3.96		ug/Kg	U	YES															
Dibromomethane	3.96		ug/Kg	U	YES															
Dichlorodifluoromethane	3.96		ug/Kg	U	YES															
Ethyl Benzene	3.96		ug/Kg	U	YES															
Hexachlorobutadiene	3.96		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	3.96		ug/Kg	U	YES															
m,p-Xylene	7.92		ug/Kg	U	YES															
Methyl iodide	1.05		ug/Kg	J	YES	J							J							
Methylene chloride	1.97		ug/Kg	J	YES	UJ			U				J							
Naphthalene	3.96		ug/Kg	U	YES	UJ					UJ									
n-Butylbenzene	3.96		ug/Kg	U	YES															
n-Propylbenzene	3.96		ug/Kg	U	YES															
o-Xylene	3.96		ug/Kg	U	YES															
sec-Butylbenzene	3.96		ug/Kg	U	YES															
Styrene	3.96		ug/Kg	U	YES	UJ					UJ									
tert-Butyl methyl ether (MTBE)	3.96		ug/Kg	U	YES															
tert-Butylbenzene	3.96		ug/Kg	U	YES															
Tetrachloroethene	3.96		ug/Kg	U	YES															
Toluene	3.96		ug/Kg	U	YES															
trans-1,2-Dichloroethene	3.96		ug/Kg	U	YES															
trans-1,3-Dichloropropene	3.96		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	19.8		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4973

Sample Qualification Report (All Analytes)

Client Sample ID : E11-133-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879050

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8260B</b>																				
<b>Dilution: 1</b>																				
Trichloroethene	3.96		ug/Kg	U	YES															
Trichlorofluoromethane	3.96		ug/Kg	U	YES	UJ					UJ									
Vinyl chloride	3.96		ug/Kg	U	YES															
<b>Analysis Method : 8270D</b>																				
<b>Dilution: 1</b>																				
1,2,4-Trichlorobenzene	333		ug/Kg	U	YES															
1,2-Dichlorobenzene	333		ug/Kg	U	YES															
1,3-Dichlorobenzene	333		ug/Kg	U	YES															
1,4-Dichlorobenzene	333		ug/Kg	U	YES															
2,4,5-Trichlorophenol	333		ug/Kg	U	YES															
2,4,6-Trichlorophenol	333		ug/Kg	U	YES															
2,4-Dichlorophenol	333		ug/Kg	U	YES															
2,4-Dimethylphenol	333		ug/Kg	U	YES															
2,4-Dinitrotoluene	333		ug/Kg	U	YES															
2,6-Dinitrotoluene	333		ug/Kg	U	YES															
2-Chloronaphthalene	333		ug/Kg	U	YES															
2-Chlorophenol	333		ug/Kg	U	YES															
2-Methylnaphthalene	333		ug/Kg	U	YES															
2-Methylphenol	333		ug/Kg	U	YES															
2-Nitroaniline	333		ug/Kg	U	YES															
2-Nitrophenol	333		ug/Kg	U	YES															
3 and/or 4-Methylphenol	333		ug/Kg	U	YES															
3-Nitroaniline	333		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	333		ug/Kg	U	YES															
4-Chloro-3-methylphenol	333		ug/Kg	U	YES															
4-Chloroaniline	333		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	333		ug/Kg	U	YES															
4-Nitroaniline	333		ug/Kg	U	YES															

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

4974

Sample Qualification Report (All Analytes)

Client Sample ID : E11-133-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879050

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Lmlf	Moist Tot/Dls	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
4-Nitrophenol	333		ug/Kg	U	YES															
Acenaphthene	333		ug/Kg	U	YES															
Acenaphthylene	333		ug/Kg	U	YES															
Anthracene	333		ug/Kg	U	YES															
Benzo(a)anthracene	333		ug/Kg	U	YES															
Benzo(a)pyrene	333		ug/Kg	U	YES															
Benzo(b)fluoranthene	333		ug/Kg	U	YES															
Benzo(g,h,i)perylene	333		ug/Kg	U	YES															
Benzo(k)fluoranthene	333		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	333		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	333		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	333		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	333		ug/Kg	U	YES															
Butyl benzyl phthalate	333		ug/Kg	U	YES															
Chrysene	333		ug/Kg	U	YES															
Dibenz(a,h)anthracene	333		ug/Kg	U	YES															
Dibenzofuran	333		ug/Kg	U	YES															
Diethyl phthalate	333		ug/Kg	U	YES															
Dimethyl phthalate	333		ug/Kg	U	YES															
Di-n-butyl phthalate	333		ug/Kg	U	YES															
Di-n-octyl phthalate	333		ug/Kg	U	YES															
Fluoranthene	333		ug/Kg	U	YES															
Fluorene	333		ug/Kg	U	YES															
Hexachlorobenzene	333		ug/Kg	U	YES															
Hexachlorobuladiene	333		ug/Kg	U	YES															
Hexachlorocyclopentadiene	333		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4975

Sample Qualification Report (All Analytes)

Client Sample ID : E11-133-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879050

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Lmt	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
Hexachloroethane	333		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	333		ug/Kg	U	YES															
Isophorone	333		ug/Kg	U	YES															
Naphthalene	333		ug/Kg	U	YES															
Nitrobenzene	333		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	333		ug/Kg	U	YES															
Pentachlorophenol	333		ug/Kg	U	YES	UJ					UJ									
Phenanthrene	333		ug/Kg	U	YES															
Phenol	333		ug/Kg	U	YES															
Pyrene	333		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/8/2011 08:22

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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

4976

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-133-S2  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879051

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 6010C</b>																				
Dilution: 1																				
Arsenic	5.52		mg/kg		YES															
Arsenic	5.52		mg/kg		YES															
Barium	134		mg/kg		YES															
Barium	134		mg/kg		YES															
Cadmium	0.776		mg/kg		YES															
Cadmium	0.776		mg/kg		YES															
Chromium	3.98		mg/kg		YES															
Chromium	3.98		mg/kg		YES															
Lead	10.2		mg/kg		YES															
Lead	10.2		mg/kg		YES															
Selenium	2.17		mg/kg	U	YES															
Selenium	2.17		mg/kg	U	YES															
Silver	0.350		mg/kg	J	YES	U							U							
Silver	0.350		mg/kg	J	YES	U							U							
<b>Analysis Method : 7471B</b>																				
Dilution: 1																				
Mercury	0.0201		mg/kg	U	YES															
<b>Analysis Method : 8081</b>																				
Dilution: 1																				
4,4'-DDD	10.2		ug/Kg	U	YES															
4,4'-DDE	10.2		ug/Kg	U	YES															
4,4'-DDT	10.2		ug/Kg	U	YES															
Aldrin	10.2		ug/Kg	U	YES															
alpha-BHC	10.2		ug/Kg	U	YES															
alpha-Chlordane	10.2		ug/Kg	U	YES															
beta-BHC	10.2		ug/Kg	U	YES															
Chlordane	34.0		ug/Kg	U	YES															
delta-BHC	10.2		ug/Kg	U	YES															
Dieldrin	10.2		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4977

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-133-S2  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879051

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8081</b>																				
<b>Dilution: 1</b>																				
Endosulfan I	10.2		ug/Kg	U	YES															
Endosulfan II	10.2		ug/Kg	U	YES															
Endosulfan sulfate	10.2		ug/Kg	U	YES															
Endrin	10.2		ug/Kg	U	YES															
Endrin aldehyde	10.2		ug/Kg	U	YES															
Endrin ketone	10.2		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.2		ug/Kg	U	YES															
gamma-Chlordane	10.2		ug/Kg	U	YES															
Heptachlor	10.2		ug/Kg	U	YES															
Heptachlor epoxide	10.2		ug/Kg	U	YES															
Methoxychlor	10.2		ug/Kg	U	YES															
Toxaphene	34.0		ug/Kg	U	YES															
<b>Analysis Method : 8151</b>																				
<b>Dilution: 1</b>																				
2,4,5-T	0.0170		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0170		mg/kg	U	YES															
2,4'-D	0.0170		mg/kg	U	YES															
2,4-DB	0.0170		mg/kg	U	YES															
Dicamba	0.0170		mg/kg	U	YES															
<b>Analysis Method : 8260B</b>																				
<b>Dilution: 1</b>																				
1,1,1,2-Tetrachloroethane	4.83		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.83		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.83		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.83		ug/Kg	U	YES															
1,1-Dichloroethane	4.83		ug/Kg	U	YES															
1,1-Dichloroethene	4.83		ug/Kg	U	YES															
1,1-Dichloropropene	4.83		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.83		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4978

Sample Qualification Report (All Analytes)

Client Sample ID : E11-133-S2  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879051

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dls	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2,3-Trichloropropane	4.83		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.83		ug/Kg	U	YES	UJ							UJ							
1,2,4-Trimethylbenzene	4.83		ug/Kg	U	YES	UJ							UJ							
1,2-Dibromo-3-chloropropane	29.0		ug/Kg	U	YES															
1,2-Dibromoethane	4.83		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.83		ug/Kg	U	YES															
1,2-Dichloroethane	4.83		ug/Kg	U	YES															
1,2-Dichloropropane	4.83		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.83		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.83		ug/Kg	U	YES															
1,3-Dichloropropane	4.83		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.83		ug/Kg	U	YES															
2,2-Dichloropropane	4.83		ug/Kg	U	YES															
2-Butanone	24.2		ug/Kg	U	YES															
2-Chlorotoluene	4.83		ug/Kg	U	YES															
2-Hexanone	12.1		ug/Kg	U	YES															
4-Chlorotoluene	4.83		ug/Kg	U	YES															
4-Isopropyltoluene	4.83		ug/Kg	U	YES															
4-Methyl-2-pentanone	12.1		ug/Kg	U	YES															
Acetone	12.3		ug/Kg	J	YES	J						J	J							
Benzene	4.83		ug/Kg	U	YES															
Bromobenzene	4.83		ug/Kg	U	YES															
Bromochloromethane	4.83		ug/Kg	U	YES															
Bromodichloromethane	4.83		ug/Kg	U	YES															
Bromoform	4.83		ug/Kg	U	YES															
Bromomethane	4.83		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4979



Sample Qualification Report (All Analytes)

Client Sample ID : E11-133-S2  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879051

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	
Analysis Method : 8260B																					
Dilution: 1																					
Carbon disulfide	4.83		ug/Kg	U	YES																
Carbon tetrachloride	4.83		ug/Kg	U	YES																
Chlorobenzene	4.83		ug/Kg	U	YES																
Chloroethane	4.83		ug/Kg	U	YES																
Chloroform	4.83		ug/Kg	U	YES																
Chloromethane	4.83		ug/Kg	U	YES																
cis-1,2-Dichloroethene	4.83		ug/Kg	U	YES																
cis-1,3-Dichloropropene	4.83		ug/Kg	U	YES																
Dibromochloromethane	4.83		ug/Kg	U	YES																
Dibromomethane	4.83		ug/Kg	U	YES																
Dichlorodifluoromethane	4.83		ug/Kg	U	YES																
Ethyl Benzene	4.83		ug/Kg	U	YES																
Hexachlorobutadiene	4.83		ug/Kg	U	YES																
Isopropylbenzene (Cumene)	4.83		ug/Kg	U	YES																
m,p-Xylene	9.06		ug/Kg	U	YES																
Methyl iodide	4.83		ug/Kg	U	YES																
Methylene chloride	1.68		ug/Kg	J	YES	UJ			U					J							
Naphthalene	4.83		ug/Kg	U	YES	UJ					UJ										
n-Butylbenzene	4.83		ug/Kg	U	YES																
n-Propylbenzene	4.83		ug/Kg	U	YES																
o-Xylene	4.83		ug/Kg	U	YES																
sec-Butylbenzene	4.83		ug/Kg	U	YES																
Styrene	4.83		ug/Kg	U	YES	UJ					UJ										
tert-Butyl methyl ether (MTBE)	4.83		ug/Kg	U	YES																
tert-Butylbenzene	4.83		ug/Kg	U	YES																
Tetrachloroethene	4.83		ug/Kg	U	YES																

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4980

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-133-S2  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879051

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dls	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
Toluene	4.83		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.83		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.83		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	24.2		ug/Kg	U	YES															
Trichloroethane	4.83		ug/Kg	U	YES															
Trichlorofluoromethane	4.83		ug/Kg	U	YES	UJ					UJ									
Vinyl chloride	4.83		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	332		ug/Kg	U	YES															
1,2-Dichlorobenzene	332		ug/Kg	U	YES															
1,3-Dichlorobenzene	332		ug/Kg	U	YES															
1,4-Dichlorobenzene	332		ug/Kg	U	YES															
2,4,5-Trichlorophenol	332		ug/Kg	U	YES															
2,4,6-Trichlorophenol	332		ug/Kg	U	YES															
2,4-Dichlorophenol	332		ug/Kg	U	YES															
2,4-Dimethylphenol	332		ug/Kg	U	YES															
2,4-Dinitrotoluene	332		ug/Kg	U	YES															
2,6-Dinitrotoluene	332		ug/Kg	U	YES															
2-Chloronaphthalene	332		ug/Kg	U	YES															
2-Chlorophenol	332		ug/Kg	U	YES															
2-Methylnaphthalene	332		ug/Kg	U	YES															
2-Methylphenol	332		ug/Kg	U	YES															
2-Nitroaniline	332		ug/Kg	U	YES															
2-Nitrophenol	332		ug/Kg	U	YES															
3 and/or 4-Methylphenol	332		ug/Kg	U	YES															
3-Nitroaniline	332		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	332		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/5/2011 08:22

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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

4981

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-133-S2  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879051

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Molst Tot/Dls	Field QC	Tune	IC	ICV	CV / CCV	
Analysis Method : 8270D																					
Dilution: 1																					
4-Chloro-3-methylphenol	332		ug/Kg	U	YES																
4-Chloroaniline	332		ug/Kg	U	YES																
4-Chlorophenyl phenyl ether	332		ug/Kg	U	YES																
4-Nitroaniline	332		ug/Kg	U	YES																
4-Nitrophenol	332		ug/Kg	U	YES																
Acenaphthene	332		ug/Kg	U	YES																
Acenaphthylene	332		ug/Kg	U	YES																
Anthracene	332		ug/Kg	U	YES																
Benzo(a)anthracene	332		ug/Kg	U	YES																
Benzo(a)pyrene	332		ug/Kg	U	YES																
Benzo(b)fluoranthene	332		ug/Kg	U	YES																
Benzo(g,h,i)perylene	332		ug/Kg	U	YES																
Benzo(k)fluoranthene	332		ug/Kg	U	YES																
Bis(2-Chloroethoxy)methane	332		ug/Kg	U	YES																
Bis(2-Chloroethyl)ether	332		ug/Kg	U	YES																
Bis(2-Chloroisopropyl)ether	332		ug/Kg	U	YES																
Bis(2-Ethylhexyl)phthalate	332		ug/Kg	U	YES																
Butyl benzyl phthalate	332		ug/Kg	U	YES																
Chrysene	332		ug/Kg	U	YES																
Dibenz(a,h)anthracene	332		ug/Kg	U	YES																
Dibenzofuran	332		ug/Kg	U	YES																
Diethyl phthalate	332		ug/Kg	U	YES																
Dimethyl phthalate	332		ug/Kg	U	YES																
Di-n-butyl phthalate	332		ug/Kg	U	YES																
Di-n-octyl phthalate	332		ug/Kg	U	YES																
Fluoranthene	332		ug/Kg	U	YES																

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

41982

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-133-S2  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879051

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
Fluorene	332		ug/Kg	U	YES															
Hexachlorobenzene	332		ug/Kg	U	YES															
Hexachlorobutadiene	332		ug/Kg	U	YES															
Hexachlorocyclopentadiene	332		ug/Kg	U	YES															
Hexachloroethane	332		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	332		ug/Kg	U	YES															
Isophorone	332		ug/Kg	U	YES															
Naphthalene	332		ug/Kg	U	YES															
Nitrobenzene	332		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	332		ug/Kg	U	YES															
Pentachlorophenol	332		ug/Kg	U	YES	UJ					UJ									
Phenanthrene	332		ug/Kg	U	YES															
Phenol	332		ug/Kg	U	YES															
Pyrene	332		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4983

Sample Qualification Report (All Analytes)

Client Sample ID : E11-136-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879053

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 6010C</b>																				
Dilution: 1																				
Arsenic	2.43		mg/kg			YES														
Arsenic	2.43		mg/kg			YES														
Barium	94.4		mg/kg			YES														
Barium	94.4		mg/kg			YES														
Cadmium	0.407		mg/kg	J		YES														
Cadmium	0.407		mg/kg	J		YES														
Chromium	3.80		mg/kg			YES														
Chromium	3.80		mg/kg			YES														
Lead	5.89		mg/kg			YES														
Lead	5.89		mg/kg			YES														
Selenium	2.12		mg/kg	U		YES														
Selenium	2.12		mg/kg	U		YES														
Silver	0.226		mg/kg	J	YES	U														
Silver	0.226		mg/kg	J	YES	U														
<b>Analysis Method : 7471B</b>																				
Dilution: 1																				
Mercury	0.0216		mg/kg	U		YES														
<b>Analysis Method : 8081</b>																				
Dilution: 1																				
4,4'-DDD	10.1		ug/Kg	U		YES														
4,4'-DDE	10.1		ug/Kg	U		YES														
4,4'-DDT	10.1		ug/Kg	U		YES														
Aldrin	10.1		ug/Kg	U		YES														
alpha-BHC	10.1		ug/Kg	U		YES														
alpha-Chlordane	10.1		ug/Kg	U		YES														
beta-BHC	10.1		ug/Kg	U		YES														
Chlordane	33.7		ug/Kg	U		YES														
delta-BHC	10.1		ug/Kg	U		YES														
Dieldrin	10.1		ug/Kg	U		YES														

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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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

4984

Sample Qualification Report (All Analytes)

Client Sample ID : E11-136-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879053

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist ToU/DIs	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8081</b>																				
<b>Dilution: 1</b>																				
Endosulfan I	10.1		ug/Kg	U	YES															
Endosulfan II	10.1		ug/Kg	U	YES															
Endosulfan sulfate	10.1		ug/Kg	U	YES															
Endrin	10.1		ug/Kg	U	YES															
Endrin aldehyde	10.1		ug/Kg	U	YES															
Endrin ketone	10.1		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.1		ug/Kg	U	YES															
gamma-Chlordane	10.1		ug/Kg	U	YES															
Heptachlor	10.1		ug/Kg	U	YES															
Heptachlor epoxide	10.1		ug/Kg	U	YES															
Methoxychlor	10.1		ug/Kg	U	YES															
Toxaphene	33.7		ug/Kg	U	YES															
<b>Analysis Method : 8151</b>																				
<b>Dilution: 1</b>																				
2,4,5-T	0.0171		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0171		mg/kg	U	YES															
2,4-D	0.0171		mg/kg	U	YES															
2,4-DB	0.0171		mg/kg	U	YES															
Dicamba	0.0171		mg/kg	U	YES															
<b>Analysis Method : 8260B</b>																				
<b>Dilution: 1</b>																				
1,1,1,2-Tetrachloroethane	4.79		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.79		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.79		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.79		ug/Kg	U	YES															
1,1-Dichloroethane	4.79		ug/Kg	U	YES															
1,1-Dichloroethene	4.79		ug/Kg	U	YES															
1,1-Dichloropropene	4.79		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.79		ug/Kg	U	YES															

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

4985

Sample Qualification Report (All Analytes)

Client Sample ID : E11-136-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879053

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist TotDis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2,3-Trichloropropane	4.79		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.79		ug/Kg	U	YES															
1,2,4-Trimethylbenzene	4.79		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	28.8		ug/Kg	U	YES															
1,2-Dibromoethane	4.79		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.79		ug/Kg	U	YES															
1,2-Dichloroethane	4.79		ug/Kg	U	YES															
1,2-Dichloropropane	4.79		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.79		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.79		ug/Kg	U	YES															
1,3-Dichloropropane	4.79		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.79		ug/Kg	U	YES															
2,2-Dichloropropane	4.79		ug/Kg	U	YES															
2-Butanone	26.0		ug/Kg		YES	J					J									
2-Chlorotoluene	4.79		ug/Kg	U	YES															
2-Hexanone	12.0		ug/Kg	U	YES															
4-Chlorotoluene	4.79		ug/Kg	U	YES															
4-Isopropyltoluene	4.79		ug/Kg	U	YES															
4-Methyl-2-pentanone	12.0		ug/Kg	U	YES															
Acetone	114		ug/Kg		YES															
Benzene	4.79		ug/Kg	U	YES															
Bromobenzene	4.79		ug/Kg	U	YES															
Bromochloromethane	4.79		ug/Kg	U	YES															
Bromodichloromethane	4.79		ug/Kg	U	YES															
Bromoform	4.79		ug/Kg	U	YES															
Bromomethane	4.79		ug/Kg	U	YES															

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

4986

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-136-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879053

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Molst To/DIs	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
Carbon disulfide	4.79		ug/Kg	U	YES															
Carbon tetrachloride	4.79		ug/Kg	U	YES															
Chlorobenzene	4.79		ug/Kg	U	YES															
Chloroethane	4.79		ug/Kg	U	YES															
Chloroform	4.79		ug/Kg	U	YES															
Chloromethane	4.79		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.79		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.79		ug/Kg	U	YES															
Dibromochloromethane	4.79		ug/Kg	U	YES															
Dibromomethane	4.79		ug/Kg	U	YES															
Dichlorodifluoromethane	4.79		ug/Kg	U	YES															
Ethyl Benzene	4.79		ug/Kg	U	YES															
Hexachlorobutadiene	4.79		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.79		ug/Kg	U	YES															
m,p-Xylene	9.99		ug/Kg	U	YES															
Methyl iodide	4.79		ug/Kg	U	YES															
Methylene chloride	2.27		ug/Kg	J	YES															
Naphthalene	4.79		ug/Kg	U	YES															
n-Butylbenzene	4.79		ug/Kg	U	YES															
n-Propylbenzene	4.79		ug/Kg	U	YES															
o-Xylene	4.79		ug/Kg	U	YES															
sec-Butylbenzene	4.79		ug/Kg	U	YES															
Styrene	4.79		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	4.79		ug/Kg	U	YES															
tert-Butylbenzene	4.79		ug/Kg	U	YES															
Tetrachloroethene	4.79		ug/Kg	U	YES															

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

4987



# Sample Qualification Report (All Analytes)

Client Sample ID : E11-136-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879053

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8260B</b>																				
<b>Dilution: 1</b>																				
Toluene	4.79		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.79		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.79		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	24.0		ug/Kg	U	YES															
Trichloroethene	4.79		ug/Kg	U	YES															
Trichlorofluoromethane	4.79		ug/Kg	U	YES															
Vinyl chloride	4.79		ug/Kg	U	YES															
<b>Analysis Method : 8270D</b>																				
<b>Dilution: 1</b>																				
1,2,4-Trichlorobenzene	354		ug/Kg	U	YES															
1,2-Dichlorobenzene	354		ug/Kg	U	YES															
1,3-Dichlorobenzene	354		ug/Kg	U	YES															
1,4-Dichlorobenzene	354		ug/Kg	U	YES															
2,4,5-Trichlorophenol	354		ug/Kg	U	YES															
2,4,6-Trichlorophenol	354		ug/Kg	U	YES															
2,4-Dichlorophenol	354		ug/Kg	U	YES															
2,4-Dimethylphenol	354		ug/Kg	U	YES															
2,4-Dinitrotoluene	354		ug/Kg	U	YES															
2,6-Dinitrotoluene	354		ug/Kg	U	YES															
2-Chloronaphthalene	354		ug/Kg	U	YES															
2-Chlorophenol	354		ug/Kg	U	YES															
2-Methylnaphthalene	354		ug/Kg	U	YES															
2-Methylphenol	354		ug/Kg	U	YES															
2-Nitroaniline	354		ug/Kg	U	YES															
2-Nitrophenol	354		ug/Kg	U	YES															
3 and/or 4-Methylphenol	354		ug/Kg	U	YES															
3-Nitroaniline	354		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	354		ug/Kg	U	YES															

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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

4988

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-136-S1

Lab Report Batch : 31101879

Lab ID : SGSW

Sample Date : 07/15/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879053

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LGS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
4-Chloro-3-methylphenol	354		ug/Kg	U	YES															
4-Chloroaniline	354		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	354		ug/Kg	U	YES															
4-Nitroaniline	354		ug/Kg	U	YES															
4-Nitrophenol	354		ug/Kg	U	YES															
Acenaphthene	354		ug/Kg	U	YES															
Acenaphthylene	354		ug/Kg	U	YES															
Anthracene	354		ug/Kg	U	YES															
Benzo(a)anthracene	354		ug/Kg	U	YES															
Benzo(a)pyrene	354		ug/Kg	U	YES															
Benzo(b)fluoranthene	354		ug/Kg	U	YES															
Benzo(g,h,i)perylene	354		ug/Kg	U	YES															
Benzo(k)fluoranthene	354		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	354		ug/Kg	U	YES															
Dis(2-Chloroethyl)ether	354		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	354		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	354		ug/Kg	U	YES															
Butyl benzyl phthalate	354		ug/Kg	U	YES															
Chrysene	354		ug/Kg	U	YES															
Dibenz(a,h)anthracene	354		ug/Kg	U	YES															
Dibenzofuran	354		ug/Kg	U	YES															
Diethyl phthalate	354		ug/Kg	U	YES															
Dimethyl phthalate	354		ug/Kg	U	YES															
Di-n-butyl phthalate	354		ug/Kg	U	YES															
Di-n-octyl phthalate	354		ug/Kg	U	YES															
Fluoranthene	354		ug/Kg	U	YES															

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

4989

Sample Qualification Report (All Analytes)

Client Sample ID : E11-136-S1  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879053

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D		Dilution: 1																		
Fluorene	354		ug/Kg	U	YES															
Hexachlorobenzene	354		ug/Kg	U	YES															
Hexachlorobutadiene	354		ug/Kg	U	YES															
Hexachlorocyclopentadiene	354		ug/Kg	U	YES															
Hexachloroethane	354		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	354		ug/Kg	U	YES															
Isophorone	354		ug/Kg	U	YES															
Naphthalene	354		ug/Kg	U	YES															
Nitrobenzene	354		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	354		ug/Kg	U	YES															
Pentachlorophenol	354		ug/Kg	U	YES	UJ					UJ									
Phenanthrene	354		ug/Kg	U	YES															
Phenol	354		ug/Kg	U	YES															
Pyrene	354		ug/Kg	U	YES															

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

4990

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-136-S2  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879054

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 6010C</b>																				
<b>Dilution: 1</b>																				
Arsenic	2.24		mg/kg		YES															
Arsenic	2.24		mg/kg		YES															
Barium	98.5		mg/kg		YES															
Barium	98.5		mg/kg		YES															
Cadmium	0.453		mg/kg	J	YES															
Cadmium	0.453		mg/kg	J	YES															
Chromium	3.76		mg/kg		YES															
Chromium	3.76		mg/kg		YES															
Lead	7.10		mg/kg		YES															
Lead	7.10		mg/kg		YES															
Selenium	2.11		mg/kg	U	YES															
Selenium	2.11		mg/kg	U	YES															
Silver	0.194		mg/kg	J	YES	U							U							
Silver	0.194		mg/kg	J	YES	U							U							
<b>Analysis Method : 7471B</b>																				
<b>Dilution: 1</b>																				
Mercury	0.0179		mg/kg	U	YES															
<b>Analysis Method : 8081</b>																				
<b>Dilution: 1</b>																				
4,4'-DDE	10.1		ug/kg	U	YES															
4,4'-DDD	10.1		ug/kg	U	YES															
4,4'-DDE	10.1		ug/kg	U	YES															
4,4'-DDE	10.1		ug/kg	U	YES															
4,4'-DDT	1.40		ug/kg	J	YES	U							U							
4,4'-DDT	1.40		ug/kg	J	YES	U							U							
Aldrin	10.1		ug/kg	U	YES															
Aldrin	10.1		ug/kg	U	YES															
alpha-BHC	10.1		ug/kg	U	YES															
alpha-BHC	10.1		ug/kg	U	YES															

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

4991

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-136-S2  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879054

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 1																				
alpha-Chlordane	10.1		ug/Kg	U	YES															
alpha-Chlordane	10.1		ug/Kg	U	YES															
beta-BHC	10.1		ug/Kg	U	YES															
beta-BHC	10.1		ug/Kg	U	YES															
Chlordane	33.6		ug/Kg	U	YES															
Chlordane	33.6		ug/Kg	U	YES															
della-BHC	10.1		ug/Kg	U	YES															
della-BHC	10.1		ug/Kg	U	YES															
Dieldrin	10.1		ug/Kg	U	YES															
Dieldrin	10.1		ug/Kg	U	YES															
Endosulfan I	10.1		ug/Kg	U	YES															
Endosulfan I	10.1		ug/Kg	U	YES															
Endosulfan II	10.1		ug/Kg	U	YES															
Endosulfan II	10.1		ug/Kg	U	YES															
Endosulfan sulfate	10.1		ug/Kg	U	YES															
Endosulfan sulfate	10.1		ug/Kg	U	YES															
Endrin	10.1		ug/Kg	U	YES															
Endrin	10.1		ug/Kg	U	YES															
Endrin aldehyde	10.1		ug/Kg	U	YES															
Endrin aldehyde	10.1		ug/Kg	U	YES															
Endrin ketone	10.1		ug/Kg	U	YES															
Endrin ketone	10.1		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.1		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.1		ug/Kg	U	YES															
gamma-Chlordane	10.1		ug/Kg	U	YES															
gamma-Chlordane	10.1		ug/Kg	U	YES															

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

4992

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-136-S2

Lab Report Batch : 31101879

Lab ID : SGSW

Sample Date : 07/15/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879054

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8081</b>																				
Dilution: 1																				
Heptachlor	10.1		ug/Kg	U	YES															
Heptachlor	10.1		ug/Kg	U	YES															
Heptachlor epoxide	10.1		ug/Kg	U	YES															
Heptachlor epoxide	10.1		ug/Kg	U	YES															
Methoxychlor	10.1		ug/Kg	U	YES															
Methoxychlor	10.1		ug/Kg	U	YES															
Toxaphene	33.6		ug/Kg	U	YES															
Toxaphene	33.6		ug/Kg	U	YES															
<b>Analysis Method : 8151</b>																				
Dilution: 1																				
2,4,5-T	0.0168		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0168		mg/kg	U	YES															
2,4'-D	0.0168		mg/kg	U	YES															
2,4-DB	0.0168		mg/kg	U	YES															
Dicamba	0.0168		mg/kg	U	YES															
<b>Analysis Method : 8260B</b>																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.51		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.51		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.51		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.51		ug/Kg	U	YES															
1,1-Dichloroethane	4.51		ug/Kg	U	YES	UJ					UJ									
1,1-Dichloroethene	4.51		ug/Kg	U	YES	UJ					UJ									
1,1-Dichloropropane	4.51		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.51		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.51		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.51		ug/Kg	U	YES	UJ						UJ								
1,2,4-Trimethylbenzene	4.51		ug/Kg	U	YES	UJ						UJ								
1,2-Dibromo-3-chloropropane	27.0		ug/Kg	U	YES															

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

4993

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-136-S2  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879054

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2-Dibromoethane	4.51		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.51		ug/Kg	U	YES															
1,2-Dichloroethane	4.51		ug/Kg	U	YES															
1,2-Dichloropropane	4.51		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.51		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.51		ug/Kg	U	YES															
1,3-Dichloropropane	4.51		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.51		ug/Kg	U	YES															
2,2-Dichloropropane	4.51		ug/Kg	U	YES															
2-Butanone	22.5		ug/Kg	U	YES															
2-Chlorotoluene	4.51		ug/Kg	U	YES															
2-Hexanone	11.3		ug/Kg	U	YES															
4-Chlorotoluene	4.51		ug/Kg	U	YES															
4-Isopropyltoluene	4.51		ug/Kg	U	YES															
4-Methyl-2-pentanone	11.3		ug/Kg	U	YES															
Acetone	45.1		ug/Kg	U	YES	UJ					UJ									
Benzene	4.51		ug/Kg	U	YES															
Bromobenzene	4.51		ug/Kg	U	YES															
Bromochloromethane	4.51		ug/Kg	U	YES															
Bromodichloromethane	4.51		ug/Kg	U	YES															
Bromoform	4.51		ug/Kg	U	YES															
Bromomethane	4.51		ug/Kg	U	YES															
Carbon disulfide	4.51		ug/Kg	U	YES	UJ					UJ									
Carbon tetrachloride	4.51		ug/Kg	U	YES															
Chlorobenzene	4.51		ug/Kg	U	YES															
Chloroethane	4.51		ug/Kg	U	YES															

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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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# Sample Qualification Report (All Analytes)

Client Sample ID : E11-136-S2  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879054

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B		Dilution: 1																		
Chloroform	4.51		ug/Kg	U	YES															
Chloromethane	4.51		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.51		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.51		ug/Kg	U	YES															
Dibromochloromethane	4.51		ug/Kg	U	YES															
Dibromomethane	4.51		ug/Kg	U	YES															
Dichlorodifluoromethane	4.51		ug/Kg	U	YES															
Ethyl Benzene	4.51		ug/Kg	U	YES															
Hexachlorobutadiene	4.51		ug/Kg	U	YES															
isopropylbenzene (Cumene)	4.51		ug/Kg	U	YES															
m,p-Xylene	9.01		ug/Kg	U	YES															
Methyl iodide	4.51		ug/Kg	U	YES															
Methylene chloride	1.10		ug/Kg	J	YES	J				J										
Naphthalene	4.51		ug/Kg	U	YES	UJ						UJ								
n-Butylbenzene	4.51		ug/Kg	U	YES															
n-Propylbenzene	4.51		ug/Kg	U	YES															
o-Xylene	4.51		ug/Kg	U	YES															
sec-Butylbenzene	4.51		ug/Kg	U	YES															
Styrene	4.51		ug/Kg	U	YES	UJ						UJ								
tert-Butyl methyl ether (MTBE)	4.51		ug/Kg	U	YES	UJ						UJ								
tert-Butylbenzene	4.51		ug/Kg	U	YES															
Tetrachloroethene	4.51		ug/Kg	U	YES															
Toluene	4.51		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.51		ug/Kg	U	YES	UJ						UJ								
trans-1,3-Dichloropropene	4.51		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	22.5		ug/Kg	U	YES															

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

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# Sample Qualification Report (All Analytes)

Client Sample ID : E11-136-S2  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879054

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8260B</b>																				
<b>Dilution: 1</b>																				
Trichloroethene	4.51		ug/Kg	U	YES															
Trichlorofluoromethane	4.51		ug/Kg	U	YES															
Vinyl chloride	4.51		ug/Kg	U	YES															
<b>Analysis Method : 8270D</b>																				
<b>Dilution: 1</b>																				
1,2,4-Trichlorobenzene	338		ug/Kg	U	YES															
1,2-Dichlorobenzene	338		ug/Kg	U	YES															
1,3-Dichlorobenzene	338		ug/Kg	U	YES															
1,4-Dichlorobenzene	338		ug/Kg	U	YES															
2,4,5-Trichlorophenol	338		ug/Kg	U	YES															
2,4,6-Trichlorophenol	338		ug/Kg	U	YES															
2,4-Dichlorophenol	338		ug/Kg	U	YES															
2,4-Dimethylphenol	338		ug/Kg	U	YES															
2,4-Dinitrotoluene	338		ug/Kg	U	YES															
2,6-Dinitrotoluene	338		ug/Kg	U	YES															
2-Chloronaphthalene	338		ug/Kg	U	YES															
2-Chlorophenol	338		ug/Kg	U	YES															
2-Methylnaphthalene	338		ug/Kg	U	YES															
2-Methylphenol	338		ug/Kg	U	YCC															
2-Nitroaniline	338		ug/Kg	U	YES															
2-Nitrophenol	338		ug/Kg	U	YES															
3 and/or 4-Methylphenol	338		ug/Kg	U	YES															
3-Nitroaniline	338		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	338		ug/Kg	U	YES															
4-Chloro-3-methylphenol	338		ug/Kg	U	YES															
4-Chloroaniline	338		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	338		ug/Kg	U	YES															
4-Nitroaniline	338		ug/Kg	U	YES															

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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# Sample Qualification Report (All Analytes)

Client Sample ID : E11-136-S2

Lab Report Batch : 31101879

Lab ID : SGSW

Sample Date : 07/15/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879054

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
4-Nitrophenol	338		ug/Kg	U	YES															
Acenaphthene	338		ug/Kg	U	YES															
Acenaphthylene	338		ug/Kg	U	YES															
Anthracene	338		ug/Kg	U	YES															
Benzo(a)anthracene	338		ug/Kg	U	YES															
Benzo(a)pyrene	338		ug/Kg	U	YES															
Benzo(b)fluoranthene	338		ug/Kg	U	YES															
Benzo(g,h,i)perylene	338		ug/Kg	U	YES															
Benzo(k)fluoranthene	338		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	338		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	338		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	338		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	338		ug/Kg	U	YES															
Butyl benzyl phthalate	338		ug/Kg	U	YES															
Chrysene	338		ug/Kg	U	YES															
Dibenz(a,h)anthracene	338		ug/Kg	U	YES															
Dibenzofuran	338		ug/Kg	U	YES															
Diethyl phthalate	338		ug/Kg	U	YES															
Dimethyl phthalate	338		ug/Kg	U	YES															
Di-n-butyl phthalate	338		ug/Kg	U	YES															
Di-n-octyl phthalate	338		ug/Kg	U	YES															
Fluoranthene	338		ug/Kg	U	YES															
Fluorene	338		ug/Kg	U	YES															
Hexachlorobenzene	338		ug/Kg	U	YES															
Hexachlorobutadiene	338		ug/Kg	U	YES															
Hexachlorocyclopentadiene	338		ug/Kg	U	YES															

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

Library Used: CampCarroll

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Sample Qualification Report (All Analytes)

Client Sample ID : E11-136-S2  
 Sample Date : 07/15/2011  
 Lab Sample ID: 31101879054

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D		Dilution: 1																		
Hexachloroethane	338		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	338		ug/Kg	U	YES															
Isophorone	338		ug/Kg	U	YES															
Naphthalene	338		ug/Kg	U	YES															
Nitrobenzene	338		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	338		ug/Kg	U	YES															
Penlachlorophenol	338		ug/Kg	U	YES	UJ				UJ										
Phenanthrene	338		ug/Kg	U	YES															
Phenol	338		ug/Kg	U	YES															
Pyrene	338		ug/Kg	U	YES															

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

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# Sample Qualification Report (All Analytes)

Client Sample ID : E11-140-S1  
 Sample Date : 07/14/2011  
 Lab Sample ID: 31101879012

Lab Report Batch : 31101879  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6010C																				
Dilution: 1																				
Arsenic	8.87		mg/kg		YES	J						J								
Barium	92.2		mg/kg		YES	J						J								
Cadmium	0.776		mg/kg		YES	J						J								
Chromium	3.54		mg/kg		YES	J														
Lead	16.0		mg/kg		YES	J						J								
Selenium	2.01		mg/kg	U	YES	J														
Silver	0.343		mg/kg	J	YES	U			U											
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.00104		mg/kg	J	YES	U			U											
Analysis Method : 8081																				
Dilution: 1																				
4,4'-DDD	1.99		ug/kg	J P	YES	J														
4,4'-DDD	1.99		ug/kg	J P	YES	J														
4,4'-DDE	6.38		ug/kg	J	YES	J														
4,4'-DDE	6.38		ug/kg	J	YES	J														
4,4'-DDT	25.3		ug/kg		YES	J														
4,4'-DDT	25.3		ug/kg		YES	J														
Aldrin	10.3		ug/kg	U	YES	J														
Aldrin	10.3		ug/kg	U	YES	J														
alpha-BHC	10.3		ug/kg	U	YES	J														
alpha-BHC	10.3		ug/kg	U	YES	J														
alpha-Chlordane	10.3		ug/kg	U	YES	J														
alpha-Chlordane	10.3		ug/kg	U	YES	J														
beta-BHC	10.3		ug/kg	U	YES	J														
beta-BHC	10.3		ug/kg	U	YES	J														
Chlordane	34.2		ug/kg	U	YES	J														
Chlordane	34.2		ug/kg	U	YES	J														
delta-BHC	10.3		ug/kg	U	YES	J														

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

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# Sample Qualification Report (All Analytes)

Client Sample ID : E11-140-S1

Lab Report Batch : 31101879

Lab ID : SGSW

Sample Date : 07/14/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879012

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 1																				
delta-BHC	10.3		ug/Kg	U	YES															
Dieldrin	10.3		ug/Kg	U	YES															
Dieldrin	10.3		ug/Kg	U	YES															
Endosulfan I	10.3		ug/Kg	U	YES															
Endosulfan I	10.3		ug/Kg	U	YES															
Endosulfan II	10.3		ug/Kg	U	YES															
Endosulfan II	10.3		ug/Kg	U	YES															
Endosulfan sulfate	10.3		ug/Kg	U	YES															
Endosulfan sulfate	10.3		ug/Kg	U	YES															
Endrin	10.3		ug/Kg	U	YES															
Endrin	10.3		ug/Kg	U	YES															
Endrin aldehyde	10.3		ug/Kg	U	YES															
Endrin aldehyde	10.3		ug/Kg	U	YES															
Endrin ketone	10.3		ug/Kg	U	YES															
Endrin ketone	10.3		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.3		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.3		ug/Kg	U	YES															
gamma-Chlordane	10.3		ug/Kg	U	YES															
gamma-Chlordane	10.3		ug/Kg	U	YES															
Heptachlor	10.3		ug/Kg	U	YES															
Heptachlor	10.3		ug/Kg	U	YES															
Heptachlor epoxide	10.3		ug/Kg	U	YES															
Heptachlor epoxide	10.3		ug/Kg	U	YES															
Methoxychlor	10.3		ug/Kg	U	YES															
Methoxychlor	10.3		ug/Kg	U	YES															
Toxaphene	34.2		ug/Kg	U	YES															

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

Library Used: CampCarroll

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