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Laboratory Duplicate RPD Outlier Report

5/01

Laboratory Duplicate RPD Outlier Report

Method Batch : MXX1378 Analysis Method : 6010C Analysis Date : 07/22/2011
 Lab Reporting Batch : 31101889 Lab ID: SGSW

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported RPD	Project Limit RPD
31101889025DUP	32023	SO	Arsenic	50	20.00
			Chromium	37	20.00

Associated Samples: All samples in Method Batch	
Client Sample ID	Lab Sample ID
E11-107-S1	31101889004
E11-128-S1	31101889002
E11-128-S2	31101889003
E11-135-S1	31101889005
E11-135-S2	31101889006
E11-135-S3	31101889009
E11-135-S4	31101889010
E11-137-S1	31101889011
E11-137-S2	31101889012
E11-137-S3	31101889013
E11-137-S4	31101889014
E11-141-S1	31101889015
E11-141-S2	31101889016
E11-141-S3	31101889017
E11-141-S4	31101889018
E11-148-S1	31101889020
E11-148-S3	31101889024
E11-151-S1	31101889025

5102

Sample Qualification Report

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

5/03

Sample Qualification Report (All Analytes)

Client Sample ID : 31101889006MS

Lab Report Batch : 31101889

Lab ID : SGSW

Sample Date :

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889007

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																				
Chlordane	34.6		ug/Kg	U																
Chlordane	34.6		ug/Kg	U																
Toxaphene	34.6		ug/Kg	U																
Toxaphene	34.6		ug/Kg	U																
Analysis Method : 8151																				
Dilution: 1																				
Bentazon	0.00476		mg/kg	J																
Bentazon	0.00476		mg/kg	J																
Picloram	0.0213		mg/kg	J																
Picloram	0.0213		mg/kg	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

5104

Sample Qualification Report (All Analytes)

Client Sample ID : 31101889021MS

Lab Report Batch : 31101889

Lab ID : SGSW

Sample Date :

Analysis Type: DL

Sample Matrix : SO

Lab Sample ID: 31101889022

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																				
Chlordane	354		ug/Kg	U																
Chlordane	354		ug/Kg	U																
Toxaphene	354		ug/Kg	U																
Toxaphene	354		ug/Kg	U																

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

5105

Sample Qualification Report (All Analytes)

Client Sample ID : 31101889021MS

Lab Report Batch : 31101889

Lab ID : SGSW

Sample Date :

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889022

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 : 8151		Dilution: 1																		
Bentazon	0.00325		mg/kg	J																
Bentazon	0.00325		mg/kg	J																
Picloram	0.0345		mg/kg																	
Picloram	0.0345		mg/kg																	

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

5106

Sample Qualification Report (All Analytes)

Client Sample ID : E11-107-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889004

Lab Report Batch : 31101889
 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 : 6010C																				
Dilution: 1																				
Arsenic	3.09		mg/kg		YES	J					J	J								
Barium	66.2		mg/kg		YES															
Cadmium	0.637		mg/kg		YES	U			U											
Chromium	2.33		mg/kg		YES	UJ			U			J								
Lead	10.5		mg/kg		YES	J					J									
Selenium	1.80		mg/kg	U	YES															
Silver	0.899		mg/kg	U	YES															
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.0208		mg/kg	U	YES															
Analysis Method : 8081																				
Dilution: 1																				
4,4'-DDD	9.85		ug/Kg	U	YES															
4,4'-DDD	9.85		ug/Kg	U	YES															
4,4'-DDE	9.85		ug/Kg	U	YES															
4,4'-DDE	9.85		ug/Kg	U	YES															
4,4'-DDT	1.29		ug/Kg	J P	YES	U			U											
4,4'-DDT	1.29		ug/Kg	J P	YES	U			U											
Aldrin	9.85		ug/Kg	U	YES															
Aldrin	9.85		ug/Kg	U	YES															
alpha-BHC	9.85		ug/Kg	U	YES															
alpha-BHC	9.85		ug/Kg	U	YES															
alpha-Chlordane	9.85		ug/Kg	U	YES															
alpha-Chlordane	9.85		ug/Kg	U	YES															
beta-BHC	9.85		ug/Kg	U	YES															
beta-BHC	9.85		ug/Kg	U	YES															
Chlordane	32.8		ug/Kg	U	YES															
Chlordane	32.8		ug/Kg	U	YES															
delta-BHC	9.85		ug/Kg	U	YES															

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

Library Used: CampCarroll

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5107

Sample Qualification Report (All Analytes)

Client Sample ID : E11-107-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889004

Lab Report Batch : 31101889
 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	Rep Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8081																				
Dilution: 1																				
delta-BHC	9.85		ug/Kg	U	YES															
Dieldrin	9.85		ug/Kg	U	YES															
Dieldrin	9.85		ug/Kg	U	YES															
Endosulfan I	9.85		ug/Kg	U	YES															
Endosulfan I	9.85		ug/Kg	U	YES															
Endosulfan II	9.85		ug/Kg	U	YES															
Endosulfan II	9.85		ug/Kg	U	YES															
Endosulfan sulfate	9.85		ug/Kg	U	YES															
Endosulfan sulfate	9.85		ug/Kg	U	YES															
Endrin	9.85		ug/Kg	U	YES															
Endrin	9.85		ug/Kg	U	YES															
Endrin aldehyde	9.85		ug/Kg	U	YES															
Endrin aldehyde	9.85		ug/Kg	U	YES															
Endrin ketone	9.85		ug/Kg	U	YES															
Endrin ketone	9.85		ug/Kg	U	YES															
gamma-BHC (Lindane)	9.85		ug/Kg	U	YES															
gamma-BHC (Lindane)	9.85		ug/Kg	U	YES															
gamma-Chlordane	9.85		ug/Kg	U	YES															
gamma-Chlordane	9.85		ug/Kg	U	YES															
Heptachlor	9.85		ug/Kg	U	YES															
Heptachlor	9.85		ug/Kg	U	YES															
Heptachlor epoxide	9.85		ug/Kg	U	YES															
Heptachlor epoxide	9.85		ug/Kg	U	YES															
Methoxychlor	9.85		ug/Kg	U	YES															
Methoxychlor	9.85		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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5108

Sample Qualification Report (All Analytes)

Client Sample ID : E11-107-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889004

Lab Report Batch : 31101889
 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	0.0163		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0163		mg/kg	U	YES															
2,4-D	0.0163		mg/kg	U	YES															
2,4-DB	0.0163		mg/kg	U	YES															
Dicamba	0.0163		mg/kg	U	YES	UJ					UJ									
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.73		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.73		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.73		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.73		ug/Kg	U	YES															
1,1-Dichloroethane	4.73		ug/Kg	U	YES	UJ					UJ									
1,1-Dichloroethene	4.73		ug/Kg	U	YES	UJ					UJ									
1,1-Dichloropropene	4.73		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.73		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.73		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.73		ug/Kg	U	YES															
1,2,4-Trimethylbenzene	4.73		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	28.4		ug/Kg	U	YES															
1,2-Dibromoethane	4.73		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.73		ug/Kg	U	YES															
1,2-Dichloroethane	4.73		ug/Kg	U	YES															
1,2-Dichloropropane	4.73		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.73		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.73		ug/Kg	U	YES															
1,3-Dichloropropane	4.73		ug/Kg	U	YES															

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

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5109

Sample Qualification Report (All Analytes)

Client Sample ID : E11-107-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889004

Lab Report Batch : 31101889
 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	4.73		ug/Kg	U	YES															
2,2-Dichloropropane	4.73		ug/Kg	U	YES															
2-Butanone	23.6		ug/Kg	U	YES															
2-Chlorotoluene	4.73		ug/Kg	U	YES															
2-Hexanone	11.8		ug/Kg	U	YES															
4-Chlorotoluene	4.73		ug/Kg	U	YES															
4-Isopropyltoluene	4.73		ug/Kg	U	YES															
4-Methyl-2-pentanone	11.8		ug/Kg	U	YES															
Acetone	10.4		ug/Kg	J	YES	J					J									
Benzene	4.73		ug/Kg	U	YES															
Bromobenzene	4.73		ug/Kg	U	YES															
Bromochloromethane	4.73		ug/Kg	U	YES															
Bromodichloromethane	4.73		ug/Kg	U	YES															
Bromoform	4.73		ug/Kg	U	YES															
Bromomethane	4.73		ug/Kg	U	YES															
Carbon disulfide	4.73		ug/Kg	U	YES	UJ					UJ									
Carbon tetrachloride	4.73		ug/Kg	U	YES															
Chlorobenzene	4.73		ug/Kg	U	YES															
Chloroethane	4.73		ug/Kg	U	YES															
Chloroform	4.73		ug/Kg	U	YES															
Chloromethane	4.73		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.73		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.73		ug/Kg	U	YES															
Dibromochloromethane	4.73		ug/Kg	U	YES															
Dibromomethane	4.73		ug/Kg	U	YES															
Dichlorodifluoromethane	4.73		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

5110

Sample Qualification Report (All Analytes)

Client Sample ID : E11-107-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889004

Lab Report Batch : 31101889
 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	4.73		ug/Kg	U	YES															
Hexachlorobutadiene	4.73		ug/Kg	U	YES															
isopropylbenzene (Cumene)	4.73		ug/Kg	U	YES															
m,p-Xylene	9.45		ug/Kg	U	YES															
Methyl iodide	4.73		ug/Kg	U	YES															
Methylene chloride	2.08		ug/Kg	J	YES	J				J										
Naphthalene	4.73		ug/Kg	U	YES															
n-Butylbenzene	4.73		ug/Kg	U	YES															
n-Propylbenzene	4.73		ug/Kg	U	YES															
o-Xylene	4.73		ug/Kg	U	YES															
sec-Butylbenzene	4.73		ug/Kg	U	YES															
Styrene	4.73		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	4.73		ug/Kg	U	YES	UJ				UJ										
tert-Butylbenzene	4.73		ug/Kg	U	YES															
Tetrachloroethene	4.73		ug/Kg	U	YES															
Toluene	4.73		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.73		ug/Kg	U	YES	UJ				UJ										
trans-1,3-Dichloropropene	4.73		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	23.6		ug/Kg	U	YES															
Trichloroethene	4.73		ug/Kg	U	YES															
Trichlorofluoromethane	4.73		ug/Kg	U	YES															
Vinyl chloride	4.73		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
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															

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

Library Used: CampCarroll

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5711

Sample Qualification Report (All Analytes)

Client Sample ID : E11-107-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889004

Lab Report Batch : 31101889
 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 : 8270D																					
Dilution: 1																					
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	YLC																
4-Chlorophenyl phenyl ether	343		ug/Kg	U	YES																
4-Nitroaniline	343		ug/Kg	U	YES																
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																

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 : E11-107-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889004

Lab Report Batch : 31101889
 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 : 8270D																					
Dilution: 1																					
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																
Hexachlorobutadiene	343		ug/Kg	U	YES																
Hexachlorocyclopentadiene	343		ug/Kg	U	YES																
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										

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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

5113

Sample Qualification Report (All Analytes)

Client Sample ID : E11-107-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889004

Lab Report Batch : 31101889
 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	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

5114

Sample Qualification Report (All Analytes)

Client Sample ID : E11-108-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889040

Lab Report Batch : 31101889
 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	0.829		mg/kg	J	YES															
Barium	61.7		mg/kg		YES															
Cadmium	0.588		mg/kg		YES	U							U							
Chromium	3.66		mg/kg		YES															
Lead	3.33		mg/kg		YES	U							U							
Selenium	0.460		mg/kg	J	YES															
Silver	0.900		mg/kg	U	YES															
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.0212		mg/kg	U	YES															
Analysis Method : 8081																				
Dilution: 1																				
4,4'-DDD	9.82		ug/Kg	U	YES															
4,4'-DDE	9.82		ug/Kg	U	YES															
4,4'-DDT	9.82		ug/Kg	U	YES															
Aldrin	9.82		ug/Kg	U	YES															
alpha-BHC	9.82		ug/Kg	U	YES															
alpha-Chlordane	9.82		ug/Kg	U	YES															
beta-BHC	9.82		ug/Kg	U	YES															
Chlordane	32.7		ug/Kg	U	YES															
delta-BHC	9.82		ug/Kg	U	YES															
Dieldrin	9.82		ug/Kg	U	YES															
Endosulfan I	9.82		ug/Kg	U	YES															
Endosulfan II	9.82		ug/Kg	U	YES															
Endosulfan sulfate	9.82		ug/Kg	U	YES															
Endrin	9.82		ug/Kg	U	YES															
Endrin aldehyde	9.82		ug/Kg	U	YES															
Endrin ketone	9.82		ug/Kg	U	YES															
gamma-BHC (Lindane)	9.82		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

5115

Sample Qualification Report (All Analytes)

Client Sample ID : E11-108-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889040

Lab Report Batch : 31101889
 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 : 8081																				
Dilution: 1																				
gamma-Chlordane	9.82		ug/Kg	U	YES															
Heptachlor	9.82		ug/Kg	U	YES															
Heptachlor epoxide	9.82		ug/Kg	U	YES															
Melhoxychlor	9.82		ug/Kg	U	YES															
Toxaphene	32.7		ug/Kg	U	YES															
Analysis Method : 8151																				
Dilution: 1																				
2,4,5-T	0.0162		mg/kg	U	YES															
2,4,5-T	0.0162		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0162		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0162		mg/kg	U	YES															
2,4'-D	0.0162		mg/kg	U	YES															
2,4'-D	0.0162		mg/kg	U	YES															
2,4-DB	0.0162		mg/kg	U	YES															
2,4-DB	0.0162		mg/kg	U	YES															
Dicamba	0.0162		mg/kg	U	YES															
Dicamba	0.0162		mg/kg	U	YES															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.76		ug/Kg	U	YES	UJ						UJ								
1,1,1-Trichloroethane	4.76		ug/Kg	U	YES	UJ						UJ								
1,1,2,2-Tetrachloroethane	4.76		ug/Kg	U	YES	UJ						UJ								
1,1,2-Trichloroethane	4.76		ug/Kg	U	YES	UJ						UJ								
1,1-Dichloroethane	4.76		ug/Kg	U	YES	UJ						UJ								
1,1-Dichloroethane	4.76		ug/Kg	U	YES	UJ						UJ								
1,1-Dichloropropene	4.76		ug/Kg	U	YES	UJ						UJ								
1,2,3-Trichlorobenzene	4.76		ug/Kg	U	YES	UJ						UJ								
1,2,3-Trichloropropane	4.76		ug/Kg	U	YES	UJ						UJ								
1,2,4-Trichlorobenzene	4.76		ug/Kg	U	YES	UJ						UJ								

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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

5116

Sample Qualification Report (All Analytes)

Client Sample ID : E11-108-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889040

Lab Report Batch : 31101889
 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 / GCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2,4-Trimethylbenzene	4.76		ug/Kg	U	YES	UJ					UJ									
1,2-Dibromo-3-chloropropane	28.6		ug/Kg	U	YES	UJ					UJ									
1,2-Dibromoethane	4.76		ug/Kg	U	YES	UJ					UJ									
1,2-Dichlorobenzene	4.76		ug/Kg	U	YES	UJ					UJ									
1,2-Dichloroethane	4.76		ug/Kg	U	YES	UJ					UJ									
1,2-Dichloropropane	4.76		ug/Kg	U	YES	UJ					UJ									
1,3,5-Trimethylbenzene	4.76		ug/Kg	U	YES	UJ					UJ									
1,3-Dichlorobenzene	4.76		ug/Kg	U	YES	UJ					UJ									
1,3-Dichloropropane	4.76		ug/Kg	U	YES	UJ					UJ									
1,4-Dichlorobenzene	4.76		ug/Kg	U	YES	UJ					UJ									
2,2-Dichloropropane	4.76		ug/Kg	U	YES	UJ					UJ									
2-Butanone	23.8		ug/Kg	U	YES	UJ					UJ									
2-Chlorotoluene	4.76		ug/Kg	U	YES	UJ					UJ									
2-Hexanone	11.9		ug/Kg	U	YES	UJ					UJ									
4-Chlorotoluene	4.76		ug/Kg	U	YES	UJ					UJ									
4-Isopropyltoluene	4.76		ug/Kg	U	YES	UJ					UJ									
4-Methyl-2-pentanone	11.9		ug/Kg	U	YES	UJ					UJ									
Acetone	8.05		ug/Kg	J	YES	J					J									
Benzene	4.76		ug/Kg	U	YES	UJ					UJ									
Bromobenzene	4.76		ug/Kg	U	YES	UJ					UJ									
Bromochloromethane	4.76		ug/Kg	U	YES	UJ					UJ									
Bromodichloromethane	4.76		ug/Kg	U	YES	UJ					UJ									
Bromoform	4.76		ug/Kg	U	YES	UJ					UJ									
Bromomethane	4.76		ug/Kg	U	YES	UJ					UJ									
Carbon disulfide	4.76		ug/Kg	U	YES	UJ				UJ	UJ									
Carbon tetrachloride	4.76		ug/Kg	U	YES	UJ					UJ									

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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 : E11-108-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889040

Lab Report Batch : 31101889
 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																				
Chlorobenzene	4.76		ug/Kg	U	YES	UJ					UJ									
Chloroethane	4.76		ug/Kg	U	YES	UJ					UJ									
Chloroform	4.76		ug/Kg	U	YES	UJ					UJ									
Chloromethane	4.76		ug/Kg	U	YES	UJ					UJ									
cis-1,2-Dichloroethene	4.76		ug/Kg	U	YES	UJ					UJ									
cis-1,3-Dichloropropene	4.76		ug/Kg	U	YES	UJ					UJ									
Dibromochloromethane	4.76		ug/Kg	U	YES	UJ					UJ									
Dibromomethane	4.76		ug/Kg	U	YES	UJ					UJ									
Dichlorodifluoromethane	4.76		ug/Kg	U	YES	UJ					UJ									
Ethyl Benzene	4.76		ug/Kg	U	YES	UJ					UJ									
Hexachlorobutadiene	4.76		ug/Kg	U	YES	UJ					UJ									
Isopropylbenzene (Cumene)	4.76		ug/Kg	U	YES	UJ					UJ									
m,p-Xylene	9.52		ug/Kg	U	YES	UJ					UJ									
Methyl iodide	4.76		ug/Kg	U	YES	UJ				UJ	UJ									
Methylene chloride	19.0		ug/Kg	U	YES	UJ					UJ									
Naphthalene	4.76		ug/Kg	U	YES	UJ					UJ									
n-Butylbenzene	4.76		ug/Kg	U	YES	UJ					UJ									
n-Propylbenzene	4.76		ug/Kg	U	YES	UJ					UJ									
o-Xylene	4.76		ug/Kg	U	YES	UJ					UJ									
sec-Butylbenzene	4.76		ug/Kg	U	YES	UJ					UJ									
Styrene	4.76		ug/Kg	U	YES	UJ					UJ									
tert-Butyl methyl ether (MTBE)	4.76		ug/Kg	U	YES	UJ					UJ									
tert-Butylbenzene	4.76		ug/Kg	U	YES	UJ					UJ									
Tetrachloroethene	4.76		ug/Kg	U	YES	UJ					UJ									
Toluene	0.943		ug/Kg	J	YES	J					J									
trans-1,2-Dichloroethene	4.76		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

51/8

Sample Qualification Report (All Analytes)

Client Sample ID : E11-108-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889040

Lab Report Batch : 31101889
 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																				
trans-1,3-Dichloropropene	4.76		ug/Kg	U	YES	UJ						UJ								
trans-1,4-Dichloro-2-butene	23.8		ug/Kg	U	YES															
Trichloroethene	4.76		ug/Kg	U	YES	UJ						UJ								
Trichlorofluoromethane	4.76		ug/Kg	U	YES	UJ						UJ								
Vinyl chloride	4.76		ug/Kg	U	YES	UJ						UJ								
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															
4-Chloro-3-methylphenol	332		ug/Kg	U	YES															
4-Chloroaniline	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

5119

Sample Qualification Report (All Analytes)

Client Sample ID : E11-108-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889040

Lab Report Batch : 31101889
 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-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	53.0		ug/Kg	J	YES															
Butyl benzyl phthalate	332		ug/Kg	U	YES															
Chrycene	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															

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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

5120

Sample Qualification Report (All Analytes)

Client Sample ID : E11-108-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889040

Lab Report Batch : 31101889
 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																				
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

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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

5121

Sample Qualification Report (All Analytes)

Client Sample ID : E11-128-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889002

Lab Report Batch : 31101889
 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 Tol/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6010C				Dilution: 1																
Arsenic	9.31		mg/kg		YES	J						J	J							
Barium	59.7		mg/kg		YES															
Cadmium	1.04		mg/kg		YES	U					U									
Chromium	4.04		mg/kg		YES	J							J							
Lead	23.5		mg/kg		YES	J						J								
Selenium	2.01		mg/kg	U	YES															
Silver	1.01		mg/kg	U	YES															
Analysis Method : 7471B				Dilution: 1																
Mercury	0.00200		mg/kg	J	YES															
Analysis Method : 8081				Dilution: 1																
4,4'-DDD	9.84		ug/Kg	U	YES															
4,4'-DDD	9.84		ug/Kg	U	YES															
4,4'-DDE	3.42		ug/Kg	J	YES															
4,4'-DDE	3.42		ug/Kg	J	YES															
4,4'-DDT	4.46		ug/Kg	J	YES	U					U									
4,4'-DDT	4.46		ug/Kg	J	YES	U					U									
Aldrin	9.84		ug/Kg	U	YES															
Aldrin	9.84		ug/Kg	U	YES															
alpha-BHC	9.84		ug/Kg	U	YES															
alpha-BHC	9.84		ug/Kg	U	YES															
alpha-Chlordane	9.84		ug/Kg	U	YES															
alpha-Chlordane	9.84		ug/Kg	U	YES															
beta-BHC	9.84		ug/Kg	U	YES															
beta-BHC	9.84		ug/Kg	U	YES															
Chlordane	32.8		ug/Kg	U	YES															
Chlordane	32.8		ug/Kg	U	YES															
delta-BHC	9.84		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

5122

Sample Qualification Report (All Analytes)

Client Sample ID : E11-128-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889002

Lab Report Batch : 31101889
 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	9.84		ug/Kg	U	YES															
Dieldrin	9.84		ug/Kg	U	YES															
Dieldrin	9.84		ug/Kg	U	YES															
Endosulfan I	9.84		ug/Kg	U	YES															
Endosulfan I	9.84		ug/Kg	U	YES															
Endosulfan II	9.84		ug/Kg	U	YES															
Endosulfan II	9.84		ug/Kg	U	YES															
Endosulfan sulfate	9.84		ug/Kg	U	YES															
Endosulfan sulfate	9.84		ug/Kg	U	YES															
Endrin	9.84		ug/Kg	U	YES															
Endrin	9.84		ug/Kg	U	YES															
Endrin aldehyde	9.84		ug/Kg	U	YES															
Endrin aldehyde	9.84		ug/Kg	U	YES															
Endrin kelone	9.84		ug/Kg	U	YES															
Endrin kelone	9.84		ug/Kg	U	YES															
gamma-BHC (Lindane)	9.84		ug/Kg	U	YES															
gamma-BHC (Lindane)	9.84		ug/Kg	U	YES															
gamma-Chlordane	9.84		ug/Kg	U	YES															
gamma-Chlordane	9.84		ug/Kg	U	YES															
Heptachlor	9.84		ug/Kg	U	YES															
Heptachlor	9.84		ug/Kg	U	YES															
Heptachlor epoxide	9.84		ug/Kg	U	YES															
Heptachlor epoxide	9.84		ug/Kg	U	YES															
Methoxychlor	9.84		ug/Kg	U	YES															
Methoxychlor	9.84		ug/Kg	U	YES															
Toxaphene	32.8		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

5123

Sample Qualification Report (All Analytes)

Client Sample ID : E11-128-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889002

Lab Report Batch : 31101889
 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 : 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-T	0.0165		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0165		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0165		mg/kg	U	YES															
2,4'-D	0.0165		mg/kg	U	YES															
2,4'-D	0.0165		mg/kg	U	YES															
2,4-DB	0.0165		mg/kg	U	YES															
2,4-DB	0.0165		mg/kg	U	YES															
Dicamba	0.0165		mg/kg	U	YES	UJ							UJ							
Dicamba	0.0165		mg/kg	U	YES	UJ							UJ							
Analysis Method : 8260B				Dilution: 1																
1,1,1,2-Tetrachloroethane	4.43		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.43		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.43		ug/Kg	U	YES															
1,1,2 Trichloroethane	4.43		ug/Kg	U	YES															
1,1-Dichloroethane	4.43		ug/Kg	U	YES	UJ														
1,1-Dichloroethane	4.43		ug/Kg	U	YES	UJ														
1,1-Dichloropropene	4.43		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.43		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.43		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.43		ug/Kg	U	YES															
1,2,4-Trimethylbenzene	4.43		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	26.6		ug/Kg	U	YES															
1,2-Dibromoethane	4.43		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.43		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

5124

Sample Qualification Report (All Analytes)

Client Sample ID : E11-128-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889002

Lab Report Batch : 31101889
 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	4.43		ug/Kg	U	YES																
1,2-Dichloropropane	4.43		ug/Kg	U	YES																
1,3,5-Trimethylbenzene	4.43		ug/Kg	U	YES																
1,3-Dichlorobenzene	4.43		ug/Kg	U	YES																
1,3-Dichloropropane	4.43		ug/Kg	U	YES																
1,4-Dichlorobenzene	4.43		ug/Kg	U	YES																
2,2-Dichloropropane	4.43		ug/Kg	U	YES																
2-Butanone	10.1		ug/Kg	J	YES	J				J											
2-Chlorotoluene	4.43		ug/Kg	U	YES																
2-Hexanone	11.1		ug/Kg	U	YES																
4-Chlorotoluene	4.43		ug/Kg	U	YES																
4-Isopropyltoluene	4.43		ug/Kg	U	YES																
4-Methyl-2-pentanone	11.1		ug/Kg	U	YES																
Acetone	31.9		ug/Kg	J	YES	J				J											
Benzene	4.43		ug/Kg	U	YES																
Bromobenzene	4.43		ug/Kg	U	YES																
Bromochloromethane	4.43		ug/Kg	U	YES																
Bromodichloromethane	4.43		ug/Kg	U	YES																
Bromoform	4.43		ug/Kg	U	YES																
Bromomethane	4.43		ug/Kg	U	YES																
Carbon disulfide	4.43		ug/Kg	U	YES	UJ				UJ											
Carbon tetrachloride	4.43		ug/Kg	U	YES																
Chlorobenzene	4.43		ug/Kg	U	YES																
Chloroethane	4.43		ug/Kg	U	YES																
Chloroform	4.43		ug/Kg	U	YES																
Chloromethane	4.43		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

5125

Sample Qualification Report (All Analytes)

Client Sample ID : E11-128-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889002

Lab Report Batch : 31101889
 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	4.43		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.43		ug/Kg	U	YES															
Dibromochloromethane	4.43		ug/Kg	U	YES															
Dibromomethane	4.43		ug/Kg	U	YES															
Dichlorodifluoromethane	4.43		ug/Kg	U	YES															
Ethyl Benzene	4.43		ug/Kg	U	YES															
Hexachlorobutadiene	4.43		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.43		ug/Kg	U	YES															
m,p-Xylene	8.86		ug/Kg	U	YES															
Methyl iodide	4.43		ug/Kg	U	YES															
Methylene chloride	1.08		ug/Kg	J	YES	J				J										
Naphthalene	4.43		ug/Kg	U	YES															
n-Butylbenzene	4.43		ug/Kg	U	YES															
n-Propylbenzene	4.43		ug/Kg	U	YES															
o-Xylene	4.43		ug/Kg	U	YES															
sec-Butylbenzene	4.43		ug/Kg	U	YES															
Styrene	4.43		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	4.43		ug/Kg	U	YES	UJ				UJ										
tert-Butylbenzene	4.43		ug/Kg	U	YES															
Tetrachloroethene	4.43		ug/Kg	U	YES															
Toluene	4.43		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.43		ug/Kg	U	YES	UJ				UJ										
trans-1,3-Dichloropropene	4.43		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	22.1		ug/Kg	U	YES															
Trichloroethene	4.43		ug/Kg	U	YES															
Trichlorofluoromethane	4.43		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

51 26

Sample Qualification Report (All Analytes)

Client Sample ID : E11-128-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889002

Lab Report Batch : 31101889
 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																				
Vinyl chloride	4.43		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
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	YFS															
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															

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

5127

Sample Qualification Report (All Analytes)

Client Sample ID : E11-128-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889002

Lab Report Batch : 31101889
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quali	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																					
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	29.1		ug/Kg	J	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																
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																

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

5128

Sample Qualification Report (All Analytes)

Client Sample ID : E11-128-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889002

Lab Report Batch : 31101889
 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	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

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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

5129

Sample Qualification Report (All Analytes)

Client Sample ID : E11-128-S2

Lab Report Batch : 31101889

Lab ID : SGSW

Sample Date : 07/16/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889003

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	2.59		mg/kg		YES	J						J	J							
Barium	96.9		mg/kg		YES															
Cadmium	0.861		mg/kg		YES	U			U											
Chromium	2.93		mg/kg		YES	J						J								
Lead	15.9		mg/kg		YES	J						J								
Selenium	1.98		mg/kg	U	YES															
Silver	0.990		mg/kg	U	YES															
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.0185		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	1.45		ug/Kg	J P	YES	U			U											
4,4'-DDT	1.45		ug/Kg	J P	YES	U			U											
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	33.9		ug/Kg	U	YES															
Chlordane	33.9		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

5130

Sample Qualification Report (All Analytes)

Client Sample ID : E11-128-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889003

Lab Report Batch : 31101889
 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	33.9		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

5131

Sample Qualification Report (All Analytes)

Client Sample ID : E11-128-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889003

Lab Report Batch : 31101889
 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 : 8081																				
Dilution: 1																				
Toxaphene	33.9		ug/Kg	U	YES															
Analysis Method : 8151																				
Dilution: 1																				
2,4,5-T	0.0169		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0169		mg/kg	U	YES															
2,4'-D	0.0169		mg/kg	U	YES															
2,4-DB	0.0169		mg/kg	U	YES															
Dicamba	0.0169		mg/kg	U	YES	UJ						UJ								
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.10		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.10		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.10		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.10		ug/Kg	U	YES															
1,1-Dichloroethane	4.10		ug/Kg	U	YES	UJ					UJ									
1,1-Dichloroethene	4.10		ug/Kg	U	YES	UJ					UJ									
1,1-Dichloropropene	4.10		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.10		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.10		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.10		ug/Kg	U	YES															
1,2,4-Trimethylbenzene	4.10		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	24.6		ug/Kg	U	YES															
1,2-Dibromoethane	4.10		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.10		ug/Kg	U	YES															
1,2-Dichloroethane	4.10		ug/Kg	U	YES															
1,2-Dichloropropane	4.10		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.10		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.10		ug/Kg	U	YES															
1,3-Dichloropropane	4.10		ug/Kg	U	YES															

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

Library Used: CampCarroff

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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

5132

Sample Qualification Report (All Analytes)

Client Sample ID : E11-128-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889003

Lab Report Batch : 31101889
 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	4.10		ug/Kg	U	YES															
2,2-Dichloropropane	4.10		ug/Kg	U	YES															
2-Butanone	20.5		ug/Kg	U	YES															
2-Chlorotoluene	4.10		ug/Kg	U	YES															
2-Hexanone	10.2		ug/Kg	U	YES															
4-Chlorotoluene	4.10		ug/Kg	U	YES															
4-Isopropyltoluene	4.10		ug/Kg	U	YES															
4-Methyl-2-pentanone	10.2		ug/Kg	U	YES															
Acetone	41.0		ug/Kg	U	YES	UJ					UJ									
Benzene	4.10		ug/Kg	U	YES															
Bromobenzene	4.10		ug/Kg	U	YES															
Bromochloromethane	4.10		ug/Kg	U	YES															
Bromodichloromethane	4.10		ug/Kg	U	YES															
Bromoform	4.10		ug/Kg	U	YES															
Bromomethane	4.10		ug/Kg	U	YES															
Carbon disulfide	4.10		ug/Kg	U	YES	UJ					UJ									
Carbon tetrachloride	4.10		ug/Kg	U	YES															
Chlorobenzene	4.10		ug/Kg	U	YES															
Chloroethane	4.10		ug/Kg	U	YES															
Chloroform	4.10		ug/Kg	U	YES															
Chloromethane	4.10		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.10		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.10		ug/Kg	U	YES															
Dibromochloromethane	4.10		ug/Kg	U	YES															
Dibromomethane	4.10		ug/Kg	U	YES															
Dichlorodifluoromethane	4.10		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

5133

Sample Qualification Report (All Analytes)

Client Sample ID : E11-128-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889003

Lab Report Batch : 31101889
 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	4.10		ug/Kg	U	YES															
Hexachlorobutadiene	4.10		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.10		ug/Kg	U	YES															
m,p-Xylene	8.20		ug/Kg	U	YES															
Methyl iodide	4.10		ug/Kg	U	YES															
Methylene chloride	1.42		ug/Kg	J	YES	J				J										
Naphthalene	4.10		ug/Kg	U	YES															
n-Butylbenzene	4.10		ug/Kg	U	YES															
n-Propylbenzene	4.10		ug/Kg	U	YES															
o-Xylene	4.10		ug/Kg	U	YES															
sec-Butylbenzene	4.10		ug/Kg	U	YES															
Styrene	4.10		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	4.10		ug/Kg	U	YES	UJ				UJ										
tert-Butylbenzene	4.10		ug/Kg	U	YES															
Tetrachloroethene	4.10		ug/Kg	U	YES															
Toluene	4.10		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.10		ug/Kg	U	YES	UJ				UJ										
trans-1,3-Dichloropropene	4.10		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	20.5		ug/Kg	U	YES															
Trichloroethene	4.10		ug/Kg	U	YES															
Trichlorofluoromethane	4.10		ug/Kg	U	YES															
Vinyl chloride	4.10		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	347		ug/Kg	U	YES															
1,2-Dichlorobenzene	347		ug/Kg	U	YES															
1,3-Dichlorobenzene	347		ug/Kg	U	YES															
1,4-Dichlorobenzene	347		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

5134

Sample Qualification Report (All Analytes)

Client Sample ID : E11-128-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889003

Lab Report Batch : 31101889
 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	347		ug/Kg	U	YES																
2,4,6-Trichlorophenol	347		ug/Kg	U	YES																
2,4-Dichlorophenol	347		ug/Kg	U	YES																
2,4-Dimethylphenol	347		ug/Kg	U	YES																
2,4-Dinitrotoluene	347		ug/Kg	U	YES																
2,6-Dinitrotoluene	347		ug/Kg	U	YES																
2-Chloronaphthalene	347		ug/Kg	U	YES																
2-Chlorophenol	347		ug/Kg	U	YES																
2-Methylnaphthalene	347		ug/Kg	U	YES																
2-Methylphenol	347		ug/Kg	U	YES																
2-Nitroaniline	347		ug/Kg	U	YES																
2-Nitrophenol	347		ug/Kg	U	YES																
3 and/or 4-Methylphenol	347		ug/Kg	U	YES																
3-Nitroaniline	347		ug/Kg	U	YES																
4-Bromophenyl phenyl ether	347		ug/Kg	U	YES																
4-Chloro-3-methylphenol	347		ug/Kg	U	YES																
4-Chloroaniline	347		ug/Kg	U	YES																
4-Chlorophenyl phenyl ether	347		ug/Kg	U	YES																
4-Nitroaniline	347		ug/Kg	U	YES																
4-Nitrophenol	347		ug/Kg	U	YES																
Acenaphthene	347		ug/Kg	U	YES																
Acenaphthylene	347		ug/Kg	U	YES																
Anthracene	347		ug/Kg	U	YES																
Benzo(a)anthracene	347		ug/Kg	U	YES																
Benzo(a)pyrene	347		ug/Kg	U	YES																
Benzo(b)fluoranthene	347		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

5135

Sample Qualification Report (All Analytes)

Client Sample ID : E11-128-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889003

Lab Report Batch : 31101889
 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																				
Benzo(g,h,i)perylene	347		ug/Kg	U	YES															
Benzo(k)fluoranthene	347		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	347		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	347		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	347		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	347		ug/Kg	U	YES															
Butyl benzyl phthalate	347		ug/Kg	U	YES															
Chrysene	347		ug/Kg	U	YES															
Dibenz(a,h)anthracene	347		ug/Kg	U	YES															
Dibenzofuran	347		ug/Kg	U	YES															
Diethyl phthalate	347		ug/Kg	U	YES															
Dimethyl phthalate	347		ug/Kg	U	YES															
Di-n-butyl phthalate	347		ug/Kg	U	YES															
Di-n-octyl phthalate	347		ug/Kg	U	YES															
Fluoranthene	347		ug/Kg	U	YES															
Fluorene	347		ug/Kg	U	YES															
Hexachlorobenzene	347		ug/Kg	U	YES															
Hexachlorobutadiene	347		ug/Kg	U	YES															
Hexachlorocyclopentadiene	347		ug/Kg	U	YES															
Hexachloroethane	347		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	347		ug/Kg	U	YES															
Isophorone	347		ug/Kg	U	YES															
Naphthalene	347		ug/Kg	U	YES															
Nitrobenzene	347		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	347		ug/Kg	U	YES															
Pentachlorophenol	347		ug/Kg	U	YES	UJ					UJ									

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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

5136

Sample Qualification Report (All Analytes)

Client Sample ID : E11-128-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889003

Lab Report Batch : 31101889
 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 : 8270D		Dilution: 1																		
Phenanthrene	347		ug/Kg	U	YES															
Phenol	347		ug/Kg	U	YES															
Pyrene	347		ug/Kg	U	YES															

5137

Sample Qualification Report (All Analytes)

Client Sample ID : E11-134-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889033

Lab Report Batch : 31101889
 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	4.53		mg/kg			YES														
Barium	80.6		mg/kg			YES														
Cadmium	1.38		mg/kg			YES	U						U							
Chromium	4.88		mg/kg			YES														
Lead	19.7		mg/kg			YES														
Selenium	0.556		mg/kg	J		YES														
Silver	0.958		mg/kg	U		YES														
Analysis Method : 7471B				Dilution: 1																
Mercury	0.0147		mg/kg	J		YES														
Analysis Method : 8081				Dilution: 1																
4,4'-DDD	9.95		ug/Kg	U		YES														
4,4'-DDD	9.95		ug/Kg	U		YES														
4,4'-DDE	0.707		ug/Kg	J P		YES														
4,4'-DDE	0.707		ug/Kg	J P		YES														
4,4'-DDT	4.04		ug/Kg	J		YES	UJ						U							J
4,4'-DDT	4.04		ug/Kg	J		YES	UJ						U							J
Aldrin	9.95		ug/Kg	U		YES														
Aldrin	9.95		ug/Kg	U		YES														
alpha-BHC	9.95		ug/Kg	U		YES														
alpha-BHC	9.95		ug/Kg	U		YES														
alpha-Chlordane	9.95		ug/Kg	U		YES														
alpha-Chlordane	9.95		ug/Kg	U		YES														
beta-BHC	9.95		ug/Kg	U		YES														
beta-BHC	9.95		ug/Kg	U		YES														
Chlordane	33.1		ug/Kg	U		YES														
Chlordane	33.1		ug/Kg	U		YES														
delta-BHC	9.95		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 : E11-134-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889033

Lab Report Batch : 31101889
 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	9.95		ug/Kg	U	YES															
Dieldrin	9.95		ug/Kg	U	YES															
Dieldrin	9.95		ug/Kg	U	YES															
Endosulfan I	9.95		ug/Kg	U	YES															
Endosulfan I	9.95		ug/Kg	U	YES															
Endosulfan II	9.95		ug/Kg	U	YES															
Endosulfan II	9.95		ug/Kg	U	YES															
Endosulfan sulfate	9.95		ug/Kg	U	YES															
Endosulfan sulfate	9.95		ug/Kg	U	YES															
Endrin	9.95		ug/Kg	U	YES															
Endrin	9.95		ug/Kg	U	YES															
Endrin aldehyde	9.95		ug/Kg	U	YES															
Endrin aldehyde	9.95		ug/Kg	U	YES															
Endrin ketone	9.95		ug/Kg	U	YES															
Endrin ketone	9.95		ug/Kg	U	YES															
gamma-BHC (Lindane)	9.95		ug/Kg	U	YES															
gamma BHC (Lindane)	9.95		ug/Kg	U	YES															
gamma-Chlordane	9.95		ug/Kg	U	YES															
gamma-Chlordane	9.95		ug/Kg	U	YES															
Heptachlor	9.95		ug/Kg	U	YES															
Heptachlor	9.95		ug/Kg	U	YES															
Heptachlor epoxide	9.95		ug/Kg	U	YES															
Heptachlor epoxide	9.95		ug/Kg	U	YES															
Methoxychlor	9.95		ug/Kg	U	YES															
Methoxychlor	9.95		ug/Kg	U	YES															
Toxaphene	33.1		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

5139

Sample Qualification Report (All Analytes)

Client Sample ID : E11-134-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889033

Lab Report Batch : 31101889
 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	33.1		ug/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	4.49		ug/Kg	U	YES	UJ														
1,1,1-Trichloroethane	4.49		ug/Kg	U	YES	UJ														
1,1,2,2-Tetrachloroethane	4.49		ug/Kg	U	YES	UJ														
1,1,2-Trichloroethane	4.49		ug/Kg	U	YES	UJ														
1,1-Dichloroethane	4.49		ug/Kg	U	YES	UJ														
1,1-Dichloroethane	4.49		ug/Kg	U	YES	UJ														
1,1-Dichloropropane	4.49		ug/Kg	U	YES	UJ														
1,2,3-Trichlorobenzene	4.49		ug/Kg	U	YES	UJ														
1,2,3-Trichloropropane	4.49		ug/Kg	U	YES	UJ														
1,2,4-Trichlorobenzene	4.49		ug/Kg	U	YES	UJ														
1,2,4-Trimethylbenzene	4.49		ug/Kg	U	YES	UJ														
1,2-Dibromo-3-chloropropane	26.9		ug/Kg	U	YES	UJ														
1,2-Dibromoethane	4.49		ug/Kg	U	YES	UJ														
1,2-Dichlorobenzene	4.49		ug/Kg	U	YES	UJ														
1,2-Dichloroethane	4.49		ug/Kg	U	YES	UJ														
1,2-Dichloropropane	4.49		ug/Kg	U	YES	UJ														
1,3,5-Trimethylbenzene	4.49		ug/Kg	U	YES	UJ														
1,3-Dichlorobenzene	4.49		ug/Kg	U	YES	UJ														
1,3-Dichloropropane	4.49		ug/Kg	U	YES	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

5140

Sample Qualification Report (All Analytes)

Client Sample ID : E11-134-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889033

Lab Report Batch : 31101889
 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	4.49		ug/Kg	U	YES	UJ							UJ							
2,2-Dichloropropane	4.49		ug/Kg	U	YES	UJ							UJ							
2-Butanone	22.4		ug/Kg	U	YES	UJ							UJ							
2-Chlorotoluene	4.49		ug/Kg	U	YES	UJ							UJ							
2-Hexanone	11.2		ug/Kg	U	YES	UJ							UJ							
4-Chlorotoluene	4.49		ug/Kg	U	YES	UJ							UJ							
4-Isopropyltoluene	4.49		ug/Kg	U	YES	UJ							UJ							
4-Methyl-2-pentanone	11.2		ug/Kg	U	YES	UJ							UJ							
Acetone	26.8		ug/Kg	J	YES	J							J							
Benzene	4.49		ug/Kg	U	YES	UJ							UJ							
Bromobenzene	4.49		ug/Kg	U	YES	UJ							UJ							
Bromochloromethane	4.49		ug/Kg	U	YES	UJ							UJ							
Bromodichloromethane	4.49		ug/Kg	U	YES	UJ							UJ							
Bromoform	4.49		ug/Kg	U	YES	UJ							UJ							
Bromomethane	4.49		ug/Kg	U	YES	UJ							UJ							
Carbon disulfide	4.49		ug/Kg	U	YES	UJ							UJ							
Carbon tetrachloride	4.49		ug/Kg	U	YES	UJ							UJ							
Chlorobenzene	4.49		ug/Kg	U	YES	UJ							UJ							
Chloroethane	4.49		ug/Kg	U	YES	UJ							UJ							
Chloroform	4.49		ug/Kg	U	YES	UJ							UJ							
Chloromethane	4.49		ug/Kg	U	YES	UJ							UJ							
cis-1,2-Dichloroethene	4.49		ug/Kg	U	YES	UJ							UJ							
cis-1,3-Dichloropropene	4.49		ug/Kg	U	YES	UJ							UJ							
Dibromochloromethane	4.49		ug/Kg	U	YES	UJ							UJ							
Dibromomethane	4.49		ug/Kg	U	YES	UJ							UJ							
Dichlorodifluoromethane	4.49		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

5141

Sample Qualification Report (All Analytes)

Client Sample ID : E11-134-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889033

Lab Report Batch : 31101889
 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 Qua?*	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	4.49		ug/Kg	U	YES	UJ							UJ							
Hexachlorobutadiene	4.49		ug/Kg	U	YES	UJ							UJ							
Isopropylbenzene (Cumene)	4.49		ug/Kg	U	YES	UJ							UJ							
m,p-Xylene	8.97		ug/Kg	U	YES	UJ							UJ							
Methyl iodide	4.49		ug/Kg	U	YES	UJ							UJ							
Methylene chloride	2.54		ug/Kg	J	YES	J							J							
Naphthalene	4.49		ug/Kg	U	YES	UJ							UJ							
n-Butylbenzene	4.49		ug/Kg	U	YES	UJ							UJ							
n-Propylbenzene	4.49		ug/Kg	U	YES	UJ							UJ							
o-Xylene	4.49		ug/Kg	U	YES	UJ							UJ							
sec-Butylbenzene	4.49		ug/Kg	U	YES	UJ							UJ							
Styrene	4.49		ug/Kg	U	YES	UJ							UJ							
tert-Butyl methyl ether (MTBE)	4.49		ug/Kg	U	YES	UJ							UJ							
tert-Butylbenzene	4.49		ug/Kg	U	YES	UJ							UJ							
Tetrachloroethene	4.49		ug/Kg	U	YES	UJ							UJ							
Toluene	4.49		ug/Kg	U	YES	UJ							UJ							
trans-1,2-Dichloroethene	4.49		ug/Kg	U	YES	UJ							UJ							
trans-1,3-Dichloropropene	4.49		ug/Kg	U	YES	UJ							UJ							
trans-1,4-Dichloro-2-butene	22.4		ug/Kg	U	YES	UJ							UJ							
Trichloroethene	4.49		ug/Kg	U	YES	UJ							UJ							
Trichlorofluoromethane	4.49		ug/Kg	U	YES	UJ							UJ							
Vinyl chloride	4.49		ug/Kg	U	YES	UJ							UJ							
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

5142

Sample Qualification Report (All Analytes)

Client Sample ID : E11-134-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889033

Lab Report Batch : 31101889
 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

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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

5143

Sample Qualification Report (All Analytes)

Client Sample ID : E11-134-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889033

Lab Report Batch : 31101889
 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	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																
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										

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

5744

Sample Qualification Report (All Analytes)

Client Sample ID : E11-134-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889033

Lab Report Batch : 31101889
 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																				
Phenanthrene	332		ug/Kg	U	YES															
Phenol	332		ug/Kg	U	YES															
Pyrene	332		ug/Kg	U	YES															

5145

Sample Qualification Report (All Analytes)

Client Sample ID : E11-134-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889034

Lab Report Batch : 31101889
 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 : 6010C																				
Dilution: 1																				
Arsenic	4.08		mg/kg		YES															
Barium	66.4		mg/kg		YES															
Cadmium	0.814		mg/kg		YES	U							U							
Chromium	4.06		mg/kg		YES															
Lead	27.2		mg/kg		YES															
Selenium	2.00		mg/kg	U	YES															
Silver	1.00		mg/kg	U	YES															
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.00688		mg/kg	J	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	0.780		ug/Kg	J P	YES															
4,4'-DDE	0.780		ug/Kg	J P	YES															
4,4'-DDT	6.01		ug/Kg	J	YES															
4,4'-DDT	6.01		ug/Kg	J	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

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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

5146

Sample Qualification Report (All Analytes)

Client Sample ID : E11-134-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889034

Lab Report Batch : 31101889
 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-DI IC (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

Library Used: CampCarroll

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Report Date: 9/6/2011 09:53

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

5147

Sample Qualification Report (All Analytes)

Client Sample ID : E11-134-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889034

Lab Report Batch : 31101889
 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 : 8081				Dilution: 1																
Toxaphene	34.0		ug/Kg	U	YES															
Analysis Method : 8151				Dilution: 1																
2,4,5-T	0.0168		mg/kg	U	YES															
2,4,5-T	0.0168		mg/kg	U	YES															
2,4,5-TP (Silvex)	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'-D	0.0168		mg/kg	U	YES															
2,4-DB	0.0168		mg/kg	U	YES															
2,4-DB	0.0168		mg/kg	U	YES															
Dicamba	0.0168		mg/kg	U	YES															
Dicamba	0.0168		mg/kg	U	YES															
Analysis Method : 8260B				Dilution: 1																
1,1,1,2-Tetrachloroethane	3.65		ug/Kg	U	YES															
1,1,1-Trichloroethane	3.65		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	3.65		ug/Kg	U	YES															
1,1,2-Trichloroethane	3.65		ug/Kg	U	YES															
1,1-Dichloroethane	3.65		ug/Kg	U	YES															
1,1-Dichloroethene	3.65		ug/Kg	U	YES															
1,1-Dichloropropene	3.65		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	3.65		ug/Kg	U	YES															
1,2,3-Trichloropropane	3.65		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	3.65		ug/Kg	U	YES															
1,2,4-Trimethylbenzene	3.65		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	21.9		ug/Kg	U	YES															
1,2-Dibromoethane	3.65		ug/Kg	U	YES															
1,2-Dichlorobenzene	3.65		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 09:53

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

5748

Sample Qualification Report (All Analytes)

Client Sample ID : E11-134-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889034

Lab Report Batch : 31101889
 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																				
1,2-Dichloroethane	3.65		ug/Kg	U	YES															
1,2-Dichloropropane	3.65		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	3.65		ug/Kg	U	YES															
1,3-Dichlorobenzene	3.65		ug/Kg	U	YES															
1,3-Dichloropropane	3.65		ug/Kg	U	YES															
1,4-Dichlorobenzene	3.65		ug/Kg	U	YES															
2,2-Dichloropropane	3.65		ug/Kg	U	YES															
2-Butanone	18.3		ug/Kg	U	YES															
2-Chlorotoluene	3.65		ug/Kg	U	YES															
2-Hexanone	9.14		ug/Kg	U	YES															
4-Chlorotoluene	3.65		ug/Kg	U	YES															
4-Isopropyltoluene	3.65		ug/Kg	U	YES															
4-Methyl-2-pentanone	9.14		ug/Kg	U	YES															
Acetone	18.6		ug/Kg	J	YES															
Benzene	3.65		ug/Kg	U	YES															
Bromobenzene	3.65		ug/Kg	U	YES															
Bromochloromethane	3.65		ug/Kg	U	YES															
Bromodichloromethane	3.65		ug/Kg	U	YES															
Bromoform	3.65		ug/Kg	U	YES															
Bromomethane	3.65		ug/Kg	U	YES															
Carbon disulfide	3.65		ug/Kg	U	YES															
Carbon tetrachloride	3.65		ug/Kg	U	YES															
Chlorobenzene	3.65		ug/Kg	U	YES															
Chloroethane	3.65		ug/Kg	U	YES															
Chloroform	3.65		ug/Kg	U	YES															
Chloromethane	3.65		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

5149

Sample Qualification Report (All Analytes)

Client Sample ID : E11-134-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889034

Lab Report Batch : 31101889
 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	3.65		ug/Kg	U	YES															
cis-1,3-Dichloropropene	3.65		ug/Kg	U	YES															
Dibromochloromethane	3.65		ug/Kg	U	YES															
Dibromomethane	3.65		ug/Kg	U	YES															
Dichlorodifluoromethane	3.65		ug/Kg	U	YES															
Ethyl Benzene	3.65		ug/Kg	U	YES															
Hexachlorobutadiene	3.65		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	3.65		ug/Kg	U	YES															
m,p-Xylene	7.31		ug/Kg	U	YES															
Methyl iodide	3.65		ug/Kg	U	YES															
Methylene chloride	1.13		ug/Kg	J	YES															
Naphthalene	3.65		ug/Kg	U	YES															
n-Butylbenzene	3.65		ug/Kg	U	YES															
n-Propylbenzene	3.65		ug/Kg	U	YES															
o-Xylene	3.65		ug/Kg	U	YES															
sec-Butylbenzene	3.65		ug/Kg	U	YES															
Styrene	3.65		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	3.65		ug/Kg	U	YES															
tert-Butylbenzene	3.65		ug/Kg	U	YES															
Tetrachloroethene	3.65		ug/Kg	U	YES															
Toluene	3.65		ug/Kg	U	YES															
trans-1,2-Dichloroethene	3.65		ug/Kg	U	YES															
trans-1,3-Dichloropropene	3.65		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	18.3		ug/Kg	U	YES															
Trichloroethene	3.65		ug/Kg	U	YES															
Trichlorofluoromethane	3.65		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 09:53

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

5150

Sample Qualification Report (All Analytes)

Client Sample ID : E11-134-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889034

Lab Report Batch : 31101889
 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/Djs	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
Vinyl chloride	3.65		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	340		ug/Kg	U	YES															
1,2-Dichlorobenzene	340		ug/Kg	U	YES															
1,3-Dichlorobenzene	340		ug/Kg	U	YES															
1,4-Dichlorobenzene	340		ug/Kg	U	YES															
2,4,5-Trichlorophenol	340		ug/Kg	U	YES															
2,4,6-Trichlorophenol	340		ug/Kg	U	YES															
2,4-Dichlorophenol	340		ug/Kg	U	YES															
2,4-Dimethylphenol	340		ug/Kg	U	YES															
2,4-Dinitrotoluene	340		ug/Kg	U	YES															
2,6-Dinitrotoluene	340		ug/Kg	U	YES															
2-Chloronaphthalene	340		ug/Kg	U	YES															
2-Chlorophenol	340		ug/Kg	U	YES															
2-Methylnaphthalene	340		ug/Kg	U	YES															
2-Methylphenol	340		ug/Kg	U	YES															
2-Nitroaniline	340		ug/Kg	U	YES															
2-Nitrophenol	340		ug/Kg	U	YES															
3 and/or 4-Methylphenol	340		ug/Kg	U	YES															
3-Nitroaniline	340		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	340		ug/Kg	U	YES															
4-Chloro-3-methylphenol	340		ug/Kg	U	YES															
4-Chloroaniline	340		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	340		ug/Kg	U	YES															
4-Nitroaniline	340		ug/Kg	U	YES															
4-Nitrophenol	340		ug/Kg	U	YES															
Acenaphthene	340		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

5151

Sample Qualification Report (All Analytes)

Client Sample ID : E11-134-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889034

Lab Report Batch : 31101889
 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	340		ug/Kg	U	YES																
Anthracene	340		ug/Kg	U	YES																
Benzo(a)anthracene	340		ug/Kg	U	YES																
Benzo(a)pyrene	340		ug/Kg	U	YES																
Benzo(b)fluoranthene	340		ug/Kg	U	YES																
Benzo(g,h,i)perylene	340		ug/Kg	U	YES																
Benzo(k)fluoranthene	340		ug/Kg	U	YES																
Bis(2-Chloroethoxy)methane	340		ug/Kg	U	YES																
Bis(2-Chloroethoxy)ether	340		ug/Kg	U	YES																
Bis(2-Chloroisopropyl)ether	340		ug/Kg	U	YES																
Bis(2-Ethylhexyl)phthalate	671		ug/Kg		YES																
Butyl benzyl phthalate	340		ug/Kg	U	YES																
Chrysene	340		ug/Kg	U	YES																
Dibenz(a,h)anthracene	340		ug/Kg	U	YES																
Dibenzofuran	340		ug/Kg	U	YES																
Diethyl phthalate	340		ug/Kg	U	YES																
Dimethyl phthalate	340		ug/Kg	U	YES																
Di-n-butyl phthalate	340		ug/Kg	U	YES																
Di-n-octyl phthalate	340		ug/Kg	U	YES																
Fluoranthene	340		ug/Kg	U	YES																
Fluorene	340		ug/Kg	U	YES																
Hexachlorobenzene	340		ug/Kg	U	YES																
Hexachlorobutadiene	340		ug/Kg	U	YES																
Hexachlorocyclopentadiene	340		ug/Kg	U	YES																
Hexachloroethane	340		ug/Kg	U	YES																
Indeno(1,2,3-cd)pyrene	340		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

5152

Sample Qualification Report (All Analytes)

Client Sample ID : E11-134-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889034

Lab Report Batch : 31101889
 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																				
Isophorone	340		ug/Kg	U	YES															
Naphthalene	340		ug/Kg	U	YES															
Nitrobenzene	340		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	340		ug/Kg	U	YES															
Pentachlorophenol	340		ug/Kg	U	YES	UJ					UJ									
Phenanthrene	340		ug/Kg	U	YES															
Phenol	340		ug/Kg	U	YES															
Pyrene	340		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

5153

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889005

Lab Report Batch : 31101889
 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 : 6010C				Dilution: 10																
Lead	138		mg/kg		YES	J						J								

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

5754

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889005

Lab Report Batch : 31101889
 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	39.0		mg/kg		YES	J						J	J							
Barium	80.0		mg/kg		YES															
Cadmium	2.76		mg/kg		YES															
Chromium	2.35		mg/kg		YES	UJ			U				J							
Selenium	2.17		mg/kg	U	YES															
Silver	0.480		mg/kg	J	YES															
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.00792		mg/kg	J	YES															
Analysis Method : 8081																				
Dilution: 1																				
4,4'-DDD	9.96		ug/Kg	U	YES															
4,4'-DDD	9.96		ug/Kg	U	YES															
4,4'-DDE	0.496		ug/Kg	J P	YES															
4,4'-DDE	0.496		ug/Kg	J P	YES															
4,4'-DDT	2.05		ug/Kg	J P	YES	U			U											
4,4'-DDT	2.05		ug/Kg	J P	YES	U			U											
Aldrin	9.96		ug/Kg	U	YES															
Aldrin	9.96		ug/Kg	U	YES															
alpha-BHC	9.96		ug/Kg	U	YES															
alpha-BHC	9.96		ug/Kg	U	YES															
alpha-Chlordane	9.96		ug/Kg	U	YES															
alpha-Chlordane	9.96		ug/Kg	U	YES															
beta-BHC	9.96		ug/Kg	U	YES															
beta-BHC	9.96		ug/Kg	U	YES															
Chlordane	33.2		ug/Kg	U	YES															
Chlordane	33.2		ug/Kg	U	YES															
delta-BHC	9.96		ug/Kg	U	YES															
delta-BHC	9.96		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

5155

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889005

Lab Report Batch : 31101889
 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																					
Dieldrin	9.96		ug/Kg	U	YES																
Dieldrin	9.96		ug/Kg	U	YES																
Endosulfan I	9.96		ug/Kg	U	YES																
Endosulfan I	9.96		ug/Kg	U	YES																
Endosulfan II	9.96		ug/Kg	U	YES																
Endosulfan II	9.96		ug/Kg	U	YES																
Endosulfan sulfate	9.96		ug/Kg	U	YES																
Endosulfan sulfate	9.96		ug/Kg	U	YES																
Endrin	9.96		ug/Kg	U	YES																
Endrin	9.96		ug/Kg	U	YES																
Endrin aldehyde	9.96		ug/Kg	U	YES																
Endrin aldehyde	9.96		ug/Kg	U	YES																
Endrin ketone	9.96		ug/Kg	U	YES																
Endrin ketone	9.96		ug/Kg	U	YES																
gamma-BHC (Lindane)	9.96		ug/Kg	U	YES																
gamma-BHC (Lindane)	9.96		ug/Kg	U	YES																
gamma-Chlordane	9.96		ug/Kg	U	YES																
gamma-Chlordane	9.96		ug/Kg	U	YES																
Heptachlor	9.96		ug/Kg	U	YES																
Heptachlor	9.96		ug/Kg	U	YES																
Heptachlor epoxide	9.96		ug/Kg	U	YES																
Heptachlor epoxide	9.96		ug/Kg	U	YES																
Methoxychlor	9.96		ug/Kg	U	YES																
Methoxychlor	9.96		ug/Kg	U	YES																
Toxaphene	33.2		ug/Kg	U	YES																
Toxaphene	33.2		ug/Kg	U	YES																
Analysis Method : 8151																					
Dilution: 1																					

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

Library Used: CampCarroll

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

5156

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889005

Lab Report Batch : 31101889
 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 : 8151																				
Dilution: 1																				
2,4,5-T	0.0167		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0167		mg/kg	U	YES															
2,4'-D	0.0167		mg/kg	U	YES															
2,4-DB	0.0167		mg/kg	U	YES															
Dicamba	0.0167		mg/kg	U	YES															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.95		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.95		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.95		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.95		ug/Kg	U	YES															
1,1-Dichloroethane	4.95		ug/Kg	U	YES	UJ				UJ										
1,1-Dichloroethene	4.95		ug/Kg	U	YES	UJ				UJ										
1,1-Dichloropropene	4.95		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.95		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.95		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.95		ug/Kg	U	YES															
1,2,4-Trimethylbenzene	4.95		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	29.7		ug/Kg	U	YES															
1,2-Dibromoethane	4.95		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.95		ug/Kg	U	YES															
1,2-Dichloroethane	4.95		ug/Kg	U	YES															
1,2-Dichloropropane	4.95		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.95		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.95		ug/Kg	U	YES															
1,3-Dichloropropane	4.95		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.95		ug/Kg	U	YES															
2,2-Dichloropropane	4.95		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

5157

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889005

Lab Report Batch : 31101889
 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	Reg Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
2-Butanone	20.3		ug/Kg	J	YES	J					J									
2-Chlorotoluene	4.95		ug/Kg	U	YES															
2-Hexanone	12.4		ug/Kg	U	YES															
4-Chlorotoluene	4.95		ug/Kg	U	YES															
4-Isopropyltoluene	4.95		ug/Kg	U	YES															
4-Methyl-2-pentanone	12.4		ug/Kg	U	YES															
Acetone	116		ug/Kg	U	YES	J					J									
Benzene	4.95		ug/Kg	U	YES															
Bromobenzene	4.95		ug/Kg	U	YES															
Bromochloromethane	4.95		ug/Kg	U	YES															
Bromodichloromethane	4.95		ug/Kg	U	YES															
Bromoform	4.95		ug/Kg	U	YES															
Bromomethane	4.95		ug/Kg	U	YES															
Carbon disulfide	4.95		ug/Kg	U	YES	UJ					UJ									
Carbon tetrachloride	4.95		ug/Kg	U	YES															
Chlorobenzene	4.95		ug/Kg	U	YES															
Chloroethane	4.95		ug/Kg	U	YES															
Chloroform	4.95		ug/Kg	U	YES															
Chloromethane	4.95		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.95		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.95		ug/Kg	U	YES															
Dibromochloromethane	4.95		ug/Kg	U	YES															
Dibromomethane	4.95		ug/Kg	U	YES															
Dichlorodifluoromethane	4.95		ug/Kg	U	YES															
Ethyl Benzene	4.95		ug/Kg	U	YES															
Hexachlorobutadiene	4.95		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

5158

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889005

Lab Report Batch : 31101889
 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																				
Isopropylbenzene (Cumene)	4.95		ug/Kg	U	YES															
m,p-Xylene	9.90		ug/Kg	U	YES															
Methyl iodide	4.95		ug/Kg	U	YES															
Methylene chloride	1.27		ug/Kg	J	YES	J				J										
Naphthalene	4.95		ug/Kg	U	YES															
n-Butylbenzene	4.95		ug/Kg	U	YES															
n-Propylbenzene	4.95		ug/Kg	U	YES															
o-Xylene	4.95		ug/Kg	U	YES															
sec-Butylbenzene	4.95		ug/Kg	U	YES															
Styrene	4.95		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	4.95		ug/Kg	U	YES	UJ				UJ										
tert-Butylbenzene	4.95		ug/Kg	U	YES															
Tetrachloroethene	4.95		ug/Kg	U	YES															
Toluene	4.95		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.95		ug/Kg	U	YES	UJ				UJ										
trans-1,3-Dichloropropene	4.95		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	24.8		ug/Kg	U	YES															
Trichloroethene	4.95		ug/Kg	U	YES															
Trichlorofluoromethane	4.95		ug/Kg	U	YES															
Vinyl chloride	4.95		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
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															

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

5159

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889005

Lab Report Batch : 31101889
 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																					
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																
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																

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

5160

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889005

Lab Report Batch : 31101889
 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																				
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															
Hexachlorobutadiene	343		ug/Kg	U	YES															
Hexachlorocyclopentadiene	343		ug/Kg	U	YES															
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															

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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

5161

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889005

Lab Report Batch : 31101889
 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													
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

5162

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889006

Lab Report Batch : 31101889
 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	8.50		mg/kg		YES	J						J	J							
Barium	70.1		mg/kg		YES															
Cadmium	1.01		mg/kg		YES	U				U										
Chromium	2.66		mg/kg		YES	J							J							
Lead	8.61		mg/kg		YES	J						J								
Selenium	0.548		mg/kg	J	YES															
Silver	1.00		mg/kg	U	YES															
Analysis Method : 7471B				Dilution: 1																
Mercury	0.00194		mg/kg	J	YES															
Analysis Method : 8081				Dilution: 1																
4,4'-DDD	1.23		ug/Kg	J P	YES															
4,4'-DDD	1.23		ug/Kg	J P	YES															
4,4'-DDE	0.894		ug/Kg	J P	YES															
4,4'-DDE	0.894		ug/Kg	J P	YES															
4,4'-DDT	10.4		ug/Kg	U	YES															
4,4'-DDT	10.4		ug/Kg	U	YES															
Aldrin	10.4		ug/Kg	U	YES															
Aldrin	10.4		ug/Kg	U	YES															
alpha-BHC	10.4		ug/Kg	U	YES															
alpha-BHC	10.4		ug/Kg	U	YES															
alpha-Chlordane	10.4		ug/Kg	U	YES															
alpha-Chlordane	10.4		ug/Kg	U	YES															
beta-BHC	10.4		ug/Kg	U	YES															
beta-BHC	10.4		ug/Kg	U	YES															
Chlordane	34.5		ug/Kg	U	YES															
Chlordane	34.5		ug/Kg	U	YES															
delta-BHC	10.4		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

5163

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889006

Lab Report Batch : 31101889
 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																				
della-BHC	10.4		ug/Kg	U	YES															
Dieldrin	10.4		ug/Kg	U	YES															
Dieldrin	10.4		ug/Kg	U	YES															
Endosulfan I	10.4		ug/Kg	U	YES															
Endosulfan I	10.4		ug/Kg	U	YES															
Endosulfan II	10.4		ug/Kg	U	YES															
Endosulfan II	10.4		ug/Kg	U	YES															
Endosulfan sulfate	10.4		ug/Kg	U	YES															
Endosulfan sulfate	10.4		ug/Kg	U	YES															
Endrin	10.4		ug/Kg	U	YES															
Endrin	10.4		ug/Kg	U	YES															
Endrin aldehyde	10.4		ug/Kg	U	YES															
Endrin aldehyde	10.4		ug/Kg	U	YES															
Endrin ketone	10.4		ug/Kg	U	YES															
Endrin ketone	10.4		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.4		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.4		ug/Kg	U	YES															
gamma-Chlordane	10.4		ug/Kg	U	YES															
gamma-Chlordane	10.4		ug/Kg	U	YES															
Heptachlor	10.4		ug/Kg	U	YES															
Heptachlor	10.4		ug/Kg	U	YES															
Heptachlor epoxide	10.4		ug/Kg	U	YES															
Heptachlor epoxide	10.4		ug/Kg	U	YES															
Methoxychlor	10.4		ug/Kg	U	YES															
Methoxychlor	10.4		ug/Kg	U	YES															
Toxaphene	34.5		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

5164

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889006

Lab Report Batch : 31101889
 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	34.5		ug/Kg	U	YES															
Analysis Method : 8151																				
Dilution: 1																				
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	UJ						UJ								
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.68		ug/Kg	U	YES	UJ						UJ								
1,1,1-Trichloroethane	4.68		ug/Kg	U	YES	UJ						UJ								
1,1,2,2-Tetrachloroethane	4.68		ug/Kg	U	YES	UJ						UJ								
1,1,2-Trichloroethane	4.68		ug/Kg	U	YES	UJ						UJ								
1,1-Dichloroethane	4.68		ug/Kg	U	YES	UJ						UJ								
1,1-Dichloroethene	4.68		ug/Kg	U	YES	UJ						UJ								
1,1-Dichloropropane	4.68		ug/Kg	U	YES	UJ						UJ								
1,2,3-Trichlorobenzene	4.68		ug/Kg	U	YES	UJ						UJ								
1,2,3-Trichloropropane	4.68		ug/Kg	U	YES	UJ						UJ								
1,2,4-Trichlorobenzene	4.68		ug/Kg	U	YES	UJ						UJ								
1,2,4-Trimethylbenzene	4.68		ug/Kg	U	YES	UJ						UJ								
1,2-Dibromo-3-chloropropane	28.1		ug/Kg	U	YES	UJ						UJ								
1,2-Dibromoethane	4.68		ug/Kg	U	YES	UJ						UJ								
1,2-Dichlorobenzene	4.68		ug/Kg	U	YES	UJ						UJ								
1,2-Dichloroethane	4.68		ug/Kg	U	YES	UJ						UJ								
1,2-Dichloropropane	4.68		ug/Kg	U	YES	UJ						UJ								
1,3,5-Trimethylbenzene	4.68		ug/Kg	U	YES	UJ						UJ								
1,3-Dichlorobenzene	4.68		ug/Kg	U	YES	UJ						UJ								
1,3-Dichloropropane	4.68		ug/Kg	U	YES	UJ						UJ								

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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

5165

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889006

Lab Report Batch : 31101889
 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	4.68		ug/Kg	U	YES	UJ						UJ								
2,2-Dichloropropane	4.68		ug/Kg	U	YES	UJ						UJ								
2-Butanone	23.4		ug/Kg	U	YES	UJ						UJ								
2-Chlorotoluene	4.68		ug/Kg	U	YES	UJ						UJ								
2-Hexanone	11.7		ug/Kg	U	YES	UJ						UJ								
4-Chlorotoluene	4.68		ug/Kg	U	YES	UJ						UJ								
4-Isopropyltoluene	4.68		ug/Kg	U	YES	UJ						UJ								
4-Methyl-2-pentanone	11.7		ug/Kg	U	YES	UJ						UJ								
Acetone	30.4		ug/Kg	J	YES	J						J	J							
Benzene	4.68		ug/Kg	U	YES	UJ						UJ								
Bromobenzene	4.68		ug/Kg	U	YES	UJ						UJ								
Bromochloromethane	4.68		ug/Kg	U	YES	UJ						UJ								
Bromodichloromethane	4.68		ug/Kg	U	YES	UJ						UJ								
Bromofom	4.68		ug/Kg	U	YES	UJ						UJ								
Bromomethane	4.68		ug/Kg	U	YES	UJ						UJ								
Carbon disulfide	4.68		ug/Kg	U	YES	UJ						UJ	UJ							
Carbon tetrachloride	4.68		ug/Kg	U	YES	UJ						UJ	UJ							
Chlorobenzene	4.68		ug/Kg	U	YES	UJ						UJ								
Chloroethane	4.68		ug/Kg	U	YES	UJ						UJ								
Chloroform	4.68		ug/Kg	U	YES	UJ						UJ								
Chloromethane	4.68		ug/Kg	U	YES	UJ						UJ								
cis-1,2-Dichloroethene	4.68		ug/Kg	U	YES	UJ						UJ								
cis-1,3-Dichloropropene	4.68		ug/Kg	U	YES	UJ						UJ								
Dibromochloromethane	4.68		ug/Kg	U	YES	UJ						UJ								
Dibromomethane	4.68		ug/Kg	U	YES	UJ						UJ								
Dichlorodifluoromethane	4.68		ug/Kg	U	YES	UJ						UJ								

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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

5166

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889006

Lab Report Batch : 31101889
 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	4.68		ug/Kg	U	YES	UJ						UJ								
Hexachlorobutadiene	4.68		ug/Kg	U	YES	UJ						UJ								
Isopropylbenzene (Cumene)	4.68		ug/Kg	U	YES	UJ						UJ								
m,p-Xylene	9.36		ug/Kg	U	YES															
Methyl iodide	4.68		ug/Kg	U	YES	UJ						UJ								
Methylene chloride	1.33		ug/Kg	J	YES	J						J		J						
Naphthalene	4.68		ug/Kg	U	YES	UJ						UJ								
n-Butylbenzene	4.68		ug/Kg	U	YES	UJ						UJ								
n-Propylbenzene	4.68		ug/Kg	U	YES	UJ						UJ								
o-Xylene	4.68		ug/Kg	U	YES	UJ						UJ								
sec-Butylbenzene	4.68		ug/Kg	U	YES	UJ						UJ								
Styrene	4.68		ug/Kg	U	YES	UJ						UJ								
tert-Butyl methyl ether (MTBE)	4.68		ug/Kg	U	YES	UJ						UJ								
tert-Butylbenzene	4.68		ug/Kg	U	YES	UJ						UJ								
Tetrachloroethene	4.68		ug/Kg	U	YES	UJ						UJ								
Toluene	4.68		ug/Kg	U	YES	UJ						UJ								
trans-1,2-Dichloroethene	4.68		ug/Kg	U	YES	UJ						UJ								
trans-1,3-Dichloropropene	4.68		ug/Kg	U	YES	UJ						UJ								
trans-1,4-Dichloro-2-butene	23.4		ug/Kg	U	YES															
Trichloroethene	4.68		ug/Kg	U	YES	UJ						UJ								
Trichlorofluoromethane	4.68		ug/Kg	U	YES	UJ						UJ								
Vinyl chloride	4.68		ug/Kg	U	YES	UJ						UJ								
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	353		ug/Kg	U	YES															
1,2-Dichlorobenzene	353		ug/Kg	U	YES															
1,3-Dichlorobenzene	353		ug/Kg	U	YES															
1,4-Dichlorobenzene	353		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

5167

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889006

Lab Report Batch : 31101889
 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																					
2,4,6-Trichlorophenol	353		ug/Kg	U	YES																
2,4,6-Trichlorophenol	353		ug/Kg	U	YES																
2,4-Dichlorophenol	353		ug/Kg	U	YES																
2,4-Dimethylphenol	353		ug/Kg	U	YES																
2,4-Dinitrotoluene	353		ug/Kg	U	YES																
2,6-Dinitrotoluene	353		ug/Kg	U	YES																
2-Chloronaphthalene	353		ug/Kg	U	YES																
2-Chlorophenol	353		ug/Kg	U	YES																
2-Methylnaphthalene	353		ug/Kg	U	YES																
2-Methylphenol	353		ug/Kg	U	YES																
2-Nitroaniline	353		ug/Kg	U	YES																
2-Nitrophenol	353		ug/Kg	U	YES																
3 and/or 4-Methylphenol	353		ug/Kg	U	YES																
3-Nitroaniline	353		ug/Kg	U	YES																
4-Bromophenyl phenyl ether	353		ug/Kg	U	YES																
4-Chloro-3-methylphenol	353		ug/Kg	U	YES																
4-Chloroaniline	353		ug/Kg	U	YES																
4-Chlorophenyl phenyl ether	353		ug/Kg	U	YES																
4-Nitroaniline	353		ug/Kg	U	YES																
4-Nitrophenol	353		ug/Kg	U	YES																
Acenaphthene	353		ug/Kg	U	YES																
Acenaphthylene	353		ug/Kg	U	YES																
Anthracene	353		ug/Kg	U	YES																
Benzo(a)anthracene	353		ug/Kg	U	YES																
Benzo(a)pyrene	353		ug/Kg	U	YES																
Benzo(b)fluoranthene	353		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

5168

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889006

Lab Report Batch : 31101889
 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	353		ug/Kg	U	YES															
Benzo(k)fluoranthene	353		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	353		ug/Kg	U	YES															
Bis(2-Chloroethoxy)ether	353		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	353		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	353		ug/Kg	U	YES															
Butyl benzyl phthalate	353		ug/Kg	U	YES															
Chrysene	353		ug/Kg	U	YES															
Dibenz(a,h)anthracene	353		ug/Kg	U	YES															
Dibenzofuran	353		ug/Kg	U	YES															
Diethyl phthalate	353		ug/Kg	U	YES															
Dimethyl phthalate	353		ug/Kg	U	YES															
Di-n-butyl phthalate	353		ug/Kg	U	YES															
Di-n-octyl phthalate	353		ug/Kg	U	YES															
Fluoranthene	353		ug/Kg	U	YES															
Fluorene	353		ug/Kg	U	YES															
Hexachlorobenzene	353		ug/Kg	U	YEC															
Hexachlorobutadiene	353		ug/Kg	U	YES															
Hexachlorocyclopentadiene	353		ug/Kg	U	YES															
Hexachloroethane	353		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	353		ug/Kg	U	YES															
Isophorone	353		ug/Kg	U	YES															
Naphthalene	353		ug/Kg	U	YES															
Nitrobenzene	353		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	353		ug/Kg	U	YES															
Pentachlorophenol	353		ug/Kg	U	YES	UJ					UJ									

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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

5169

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889006

Lab Report Batch : 31101889
 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																		
Phenanthrene	353		ug/Kg	U	YES															
Phenol	353		ug/Kg	U	YES															
Pyrene	353		ug/Kg	U	YES															

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

5170

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S3
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889009

Lab Report Batch : 31101889
 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	3.08		mg/kg		YES	J					J	J								
Barium	88.9		mg/kg		YES															
Cadmium	0.778		mg/kg		YES	U			U											
Chromium	5.62		mg/kg		YES	J						J								
Lead	11.8		mg/kg		YES	J					J									
Selenium	0.537		mg/kg	J	YES															
Silver	1.04		mg/kg	U	YES															
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.0204		mg/kg	U	YES															
Analysis Method : 8081																				
Dilution: 1																				
4,4'-DDD	11.4		ug/Kg	U	YES	UJ							UJ							
4,4'-DDD	11.4		ug/Kg	U	YES	UJ							UJ							
4,4'-DDE	11.4		ug/Kg	U	YES	UJ							UJ							
4,4'-DDE	11.4		ug/Kg	U	YES	UJ							UJ							
4,4'-DDT	11.4		ug/Kg	U	YES	UJ							UJ							
4,4'-DDT	11.4		ug/Kg	U	YES	UJ							UJ							
Aldrin	11.4		ug/Kg	U	YES	UJ							UJ							
Aldrin	11.4		ug/Kg	U	YES	UJ							UJ							
alpha-BHC	11.4		ug/Kg	U	YES	UJ							UJ							
alpha-BHC	11.4		ug/Kg	U	YES	UJ							UJ							
alpha-Chlordane	11.4		ug/Kg	U	YES	UJ							UJ							
alpha-Chlordane	11.4		ug/Kg	U	YES	UJ							UJ							
beta-BHC	11.4		ug/Kg	U	YES	UJ							UJ							
beta-BHC	11.4		ug/Kg	U	YES	UJ							UJ							
Chlordane	38.1		ug/Kg	U	YES	UJ							UJ							
Chlordane	38.1		ug/Kg	U	YES	UJ							UJ							
delta-BHC	11.4		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

5171

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S3
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889009

Lab Report Batch : 31101889
 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	11.4		ug/Kg	U	YES	UJ							UJ							
Dieldrin	11.4		ug/Kg	U	YES	UJ							UJ							
Dieldrin	11.4		ug/Kg	U	YES	UJ							UJ							
Endosulfan I	11.4		ug/Kg	U	YES	UJ							UJ							
Endosulfan I	11.4		ug/Kg	U	YES	UJ							UJ							
Endosulfan II	11.4		ug/Kg	U	YES	UJ							UJ							
Endosulfan II	11.4		ug/Kg	U	YES	UJ							UJ							
Endosulfan sulfate	11.4		ug/Kg	U	YES	UJ							UJ							
Endosulfan sulfate	11.4		ug/Kg	U	YES	UJ							UJ							
Endrin	11.4		ug/Kg	U	YES	UJ							UJ							
Endrin	11.4		ug/Kg	U	YES	UJ							UJ							
Endrin aldehyde	11.4		ug/Kg	U	YES	UJ							UJ							
Endrin aldehyde	11.4		ug/Kg	U	YES	UJ							UJ							
Endrin ketone	11.4		ug/Kg	U	YES	UJ							UJ							
Endrin ketone	11.4		ug/Kg	U	YES	UJ							UJ							
gamma-BHC (Lindane)	11.4		ug/Kg	U	YES	UJ							UJ							
gamma-BHC (lindane)	11.4		ug/Kg	U	YES	UJ							UJ							
gamma-Chlordane	11.4		ug/Kg	U	YES	UJ							UJ							
gamma-Chlordane	11.4		ug/Kg	U	YES	UJ							UJ							
Heptachlor	11.4		ug/Kg	U	YES	UJ							UJ							
Heptachlor	11.4		ug/Kg	U	YES	UJ							UJ							
Heptachlor epoxide	11.4		ug/Kg	U	YES	UJ							UJ							
Heptachlor epoxide	11.4		ug/Kg	U	YES	UJ							UJ							
Methoxychlor	11.4		ug/Kg	U	YES	UJ							UJ							
Methoxychlor	11.4		ug/Kg	U	YES	UJ							UJ							
Toxaphene	38.1		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

5172

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S3
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889009

Lab Report Batch : 31101889
 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	38.1		ug/Kg	U	YES	UJ							UJ							
Analysis Method : 8151																				
Dilution: 1																				
2,4,5-T	0.0189		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0189		mg/kg	U	YES															
2,4-D	0.0189		mg/kg	U	YES															
2,4-DB	0.0189		mg/kg	U	YES															
Dicamba	0.0189		mg/kg	U	YES															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	5.08		ug/Kg	U	YES															
1,1,1-Trichloroethane	5.08		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	5.08		ug/Kg	U	YES															
1,1,2-Trichloroethane	5.08		ug/Kg	U	YES															
1,1-Dichloroethane	5.08		ug/Kg	U	YES	UJ														
1,1-Dichloroethene	5.08		ug/Kg	U	YES	UJ														
1,1-Dichloropropene	5.08		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	5.08		ug/Kg	U	YES															
1,2,3-Trichloropropane	5.08		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	5.08		ug/Kg	U	YES															
1,2,4-Trimethylbenzene	5.08		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	30.5		ug/Kg	U	YES															
1,2-Dibromoethane	5.08		ug/Kg	U	YES															
1,2-Dichlorobenzene	5.08		ug/Kg	U	YES															
1,2-Dichloroethane	5.08		ug/Kg	U	YES															
1,2-Dichloropropane	5.08		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	5.08		ug/Kg	U	YES															
1,3-Dichlorobenzene	5.08		ug/Kg	U	YES															
1,3-Dichloropropane	5.08		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

5173

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S3
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889009

Lab Report Batch : 31101889
 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	5.08		ug/Kg	U	YES															
2,2-Dichloropropane	5.08		ug/Kg	U	YES															
2-Butanone	25.4		ug/Kg	U	YES															
2-Chlorotoluene	5.08		ug/Kg	U	YES															
2-Hexanone	12.7		ug/Kg	U	YES															
4-Chlorotoluene	5.08		ug/Kg	U	YES															
4-Isopropyltoluene	5.08		ug/Kg	U	YES															
4-Methyl-2-pentanone	12.7		ug/Kg	U	YES															
Acetone	50.8		ug/Kg	U	YES	UJ					UJ									
Benzene	5.08		ug/Kg	U	YES															
Bromobenzene	5.08		ug/Kg	U	YES															
Bromochloromethane	5.08		ug/Kg	U	YES															
Bromodichloromethane	5.08		ug/Kg	U	YES															
Bromoform	5.08		ug/Kg	U	YES															
Bromomethane	5.08		ug/Kg	U	YES															
Carbon disulfide	5.08		ug/Kg	U	YES	UJ					UJ									
Carbon tetrachloride	5.08		ug/Kg	U	YES															
Chlorobenzene	5.08		ug/Kg	U	YES															
Chloroethane	5.08		ug/Kg	U	YES															
Chloroform	5.08		ug/Kg	U	YES															
Chloromethane	5.08		ug/Kg	U	YES															
cis-1,2-Dichloroethene	5.08		ug/Kg	U	YES															
cis-1,3-Dichloropropene	5.08		ug/Kg	U	YES															
Dibromochloromethane	5.08		ug/Kg	U	YES															
Dibromomethane	5.08		ug/Kg	U	YES															
Dichlorodifluoromethane	5.08		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

5124

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S3
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889009

Lab Report Batch : 31101889
 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																				
Ethyl Benzene	5.08		ug/Kg	U	YES															
Hexachlorobutadiene	5.08		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	5.08		ug/Kg	U	YES															
m,p-Xylene	10.2		ug/Kg	U	YES															
Methyl iodide	5.08		ug/Kg	U	YES															
Methylene chloride	1.22		ug/Kg	J	YES	J				J										
Naphthalene	5.08		ug/Kg	U	YES															
n-Butylbenzene	5.08		ug/Kg	U	YES															
n-Propylbenzene	5.08		ug/Kg	U	YES															
o-Xylene	5.08		ug/Kg	U	YES															
sec-Butylbenzene	5.08		ug/Kg	U	YES															
Styrene	5.08		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	5.08		ug/Kg	U	YES	UJ				UJ										
tert-Butylbenzene	5.08		ug/Kg	U	YES															
Tetrachloroethene	5.08		ug/Kg	U	YES															
Toluene	5.08		ug/Kg	U	YES															
trans-1,2-Dichloroethene	5.08		ug/Kg	U	YES	UJ				UJ										
trans-1,3-Dichloropropene	5.08		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	25.4		ug/Kg	U	YES															
Trichloroethene	5.08		ug/Kg	U	YES															
Trichlorofluoromethane	5.08		ug/Kg	U	YES															
Vinyl chloride	5.08		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	370		ug/Kg	U	YES															
1,2-Dichlorobenzene	370		ug/Kg	U	YES															
1,3-Dichlorobenzene	370		ug/Kg	U	YES															
1,4-Dichlorobenzene	370		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

5175

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S3
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889009

Lab Report Batch : 31101889
 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	370		ug/Kg	U	YES															
2,4,6-Trichlorophenol	370		ug/Kg	U	YES															
2,4-Dichlorophenol	370		ug/Kg	U	YES															
2,4-Dimethylphenol	370		ug/Kg	U	YES															
2,4-Dinitrotoluene	370		ug/Kg	U	YES															
2,6-Dinitrotoluene	370		ug/Kg	U	YES															
2-Chloronaphthalene	370		ug/Kg	U	YES															
2-Chlorophenol	370		ug/Kg	U	YES															
2-Methylnaphthalene	370		ug/Kg	U	YES															
2-Methylphenol	370		ug/Kg	U	YES															
2-Nitroaniline	370		ug/Kg	U	YES															
2-Nitrophenol	370		ug/Kg	U	YES															
3 and/or 4-Methylphenol	370		ug/Kg	U	YES															
3-Nitroaniline	370		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	370		ug/Kg	U	YES															
4-Chloro-3-methylphenol	370		ug/Kg	U	YES															
4-Chloroaniline	370		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	370		ug/Kg	U	YES															
4-Nitroaniline	370		ug/Kg	U	YES															
4-Nitrophenol	370		ug/Kg	U	YES															
Acenaphthene	370		ug/Kg	U	YES															
Acenaphthylene	370		ug/Kg	U	YES															
Anthracene	370		ug/Kg	U	YES															
Benzo(a)anthracene	370		ug/Kg	U	YES															
Benzo(a)pyrene	370		ug/Kg	U	YES															
Benzo(b)fluoranthene	370		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

5176

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S3
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889009

Lab Report Batch : 31101889
 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	370		ug/Kg	U	YES															
Benzo(k)fluoranthene	370		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	370		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	370		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	370		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	370		ug/Kg	U	YES															
Butyl benzyl phthalate	370		ug/Kg	U	YES															
Chrysene	370		ug/Kg	U	YES															
Dibenz(a,h)anthracene	370		ug/Kg	U	YES															
Dibenzofuran	370		ug/Kg	U	YES															
Diethyl phthalate	370		ug/Kg	U	YES															
Dimethyl phthalate	370		ug/Kg	U	YES															
Di-n-butyl phthalate	370		ug/Kg	U	YES															
Di-n-octyl phthalate	370		ug/Kg	U	YES															
Fluoranthene	370		ug/Kg	U	YES															
Fluorene	370		ug/Kg	U	YES															
Hexachlorobenzene	370		ug/Kg	U	YES															
Hexachlorobutadiene	370		ug/Kg	U	YES															
Hexachlorocyclopentadiene	370		ug/Kg	U	YES															
Hexachloroethane	370		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	370		ug/Kg	U	YES															
Isophorone	370		ug/Kg	U	YES															
Naphthalene	370		ug/Kg	U	YES															
Nitrobenzene	370		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	370		ug/Kg	U	YES															
Pentachlorophenol	370		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

5177

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S3

Lab Report Batch : 31101889

Lab ID : SGSW

Sample Date : 07/16/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101889009

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	370		ug/Kg	U	YES															
Phenol	370		ug/Kg	U	YES															
Pyrene	370		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

5178

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S4
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889010

Lab Report Batch : 31101889
 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	1.84		mg/kg		YES	J					J	J								
Barium	84.0		mg/kg		YES															
Cadmium	0.704		mg/kg		YES	U					U									
Chromium	4.19		mg/kg		YES	J						J								
Lead	6.41		mg/kg		YES	J					J									
Selenium	2.05		mg/kg	U	YES															
Silver	1.03		mg/kg	U	YES															
Analysis Method : 7471B				Dilution: 1																
Mercury	0.0212		mg/kg	U	YES															
Analysis Method : 8081				Dilution: 1																
4,4'-DDD	11.4		ug/Kg	U	YES															
4,4'-DDD	11.4		ug/Kg	U	YES															
4,4'-DDE	11.4		ug/Kg	U	YES															
4,4'-DDE	11.4		ug/Kg	U	YES															
4,4'-DDT	11.4		ug/Kg	U	YES															
4,4'-DDT	11.4		ug/Kg	U	YES															
Aldrin	11.4		ug/Kg	U	YES															
Aldrin	11.4		ug/Kg	U	YES															
alpha-BHC	11.4		ug/Kg	U	YES															
alpha-BHC	11.4		ug/Kg	U	YES															
alpha-Chlordane	11.4		ug/Kg	U	YES															
alpha-Chlordane	11.4		ug/Kg	U	YES															
beta-BHC	11.4		ug/Kg	U	YES															
beta-BHC	11.4		ug/Kg	U	YES															
Chlordane	38.0		ug/Kg	U	YES															
Chlordane	38.0		ug/Kg	U	YES															
delta-BHC	11.4		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

5179

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S4
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889010

Lab Report Batch : 31101889
 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																				
della-BHC	11.4		ug/Kg	U	YES															
Dieldrin	11.4		ug/Kg	U	YES															
Dieldrin	11.4		ug/Kg	U	YES															
Endosulfan I	11.4		ug/Kg	U	YES															
Endosulfan I	11.4		ug/Kg	U	YES															
Endosulfan II	11.4		ug/Kg	U	YES															
Endosulfan II	11.4		ug/Kg	U	YES															
Endosulfan sulfate	11.4		ug/Kg	U	YES															
Endosulfan sulfate	11.4		ug/Kg	U	YES															
Endrin	11.4		ug/Kg	U	YES															
Endrin	11.4		ug/Kg	U	YES															
Endrin aldehyde	11.4		ug/Kg	U	YES															
Endrin aldehyde	11.4		ug/Kg	U	YES															
Endrin ketone	11.4		ug/Kg	U	YES															
Endrin ketone	11.4		ug/Kg	U	YES															
gamma-BHC (Lindane)	11.4		ug/Kg	U	YES															
gamma-BHC (Lindane)	11.4		ug/Kg	U	YES															
gamma-Chlordane	11.4		ug/Kg	U	YES															
gamma-Chlordane	11.4		ug/Kg	U	YES															
Heptachlor	11.4		ug/Kg	U	YES															
Heptachlor	11.4		ug/Kg	U	YES															
Heptachlor epoxide	11.4		ug/Kg	U	YES															
Heptachlor epoxide	11.4		ug/Kg	U	YES															
Methoxychlor	11.4		ug/Kg	U	YES															
Methoxychlor	11.4		ug/Kg	U	YES															
Toxaphene	38.0		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

5180

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S4
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889010

Lab Report Batch : 31101889
 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 : 6081																				
Dilution: 1																				
Toxaphene	38.0		ug/Kg	U	YES															
Analysis Method : 8151																				
Dilution: 1																				
2,4,5-T	0.0183		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0183		mg/kg	U	YES															
2,4'-D	0.0183		mg/kg	U	YES															
2,4-DB	0.0183		mg/kg	U	YES															
Dicamba	0.0183		mg/kg	U	YES															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.59		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.59		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.59		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.59		ug/Kg	U	YES															
1,1-Dichloroethane	4.59		ug/Kg	U	YES	UJ				UJ										
1,1-Dichloroethene	4.60		ug/Kg	U	YES	UJ				UJ										
1,1-Dichloropropane	4.59		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.59		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.59		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.59		ug/Kg	U	YES															
1,2,4-Trimethylbenzene	4.59		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	27.5		ug/Kg	U	YES															
1,2-Dibromoethane	4.59		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.59		ug/Kg	U	YES															
1,2-Dichloroethane	4.59		ug/Kg	U	YES															
1,2-Dichloropropane	4.59		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.59		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.59		ug/Kg	U	YES															
1,3-Dichloropropane	4.59		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

5181

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S4
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889010

Lab Report Batch : 31101889
 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 : 8260B																				
Dilution: 1																				
1,4-Dichlorobenzene	4.59		ug/Kg	U	YES															
2,2-Dichloropropane	4.59		ug/Kg	U	YES															
2-Butanone	22.9		ug/Kg	U	YES															
2-Chlorotoluene	4.59		ug/Kg	U	YES															
2-Hexanone	11.5		ug/Kg	U	YES															
4-Chlorotoluene	4.59		ug/Kg	U	YES															
4-Isopropyltoluene	4.59		ug/Kg	U	YES															
4-Methyl-2-pentanone	11.5		ug/Kg	U	YES															
Acetone	45.9		ug/Kg	U	YES	UJ					UJ									
Benzene	4.59		ug/Kg	U	YES															
Bromobenzene	4.59		ug/Kg	U	YES															
Bromochloromethane	4.59		ug/Kg	U	YES															
Bromodichloromethane	4.59		ug/Kg	U	YES															
Bromoform	4.59		ug/Kg	U	YES															
Bromomethane	4.59		ug/Kg	U	YES															
Carbon disulfide	4.59		ug/Kg	U	YES	UJ					UJ									
Carbon tetrachloride	4.59		ug/Kg	U	YES															
Chlorobenzene	4.59		ug/Kg	U	YES															
Chloroethane	4.59		ug/Kg	U	YES															
Chloroform	4.59		ug/Kg	U	YES															
Chloromethane	4.59		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.59		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.59		ug/Kg	U	YES															
Dibromochloromethane	4.59		ug/Kg	U	YES															
Dibromomethane	4.59		ug/Kg	U	YES															
Dichlorodifluoromethane	4.59		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

5182

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S4
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889010

Lab Report Batch : 31101889
 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	4.59		ug/Kg	U	YES															
Hexachlorobutadiene	4.59		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.59		ug/Kg	U	YES															
m,p-Xylene	9.18		ug/Kg	U	YES															
Methyl iodide	4.59		ug/Kg	U	YES															
Methylene chloride	1.51		ug/Kg	J	YES	J				J										
Naphthalene	4.59		ug/Kg	U	YES															
n-Butylbenzene	4.59		ug/Kg	U	YES															
n-Propylbenzene	4.59		ug/Kg	U	YES															
o-Xylene	4.59		ug/Kg	U	YES															
sec-Butylbenzene	4.59		ug/Kg	U	YES															
Styrene	4.59		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	4.59		ug/Kg	U	YES	UJ				UJ										
tert-Butylbenzene	4.59		ug/Kg	U	YES															
Tetrachloroethene	4.59		ug/Kg	U	YES															
Toluene	4.59		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.59		ug/Kg	U	YES	UJ				UJ										
trans-1,3-Dichloropropene	4.59		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	22.9		ug/Kg	U	YES															
Trichloroethene	4.59		ug/Kg	U	YES															
Trichlorofluoromethane	4.59		ug/Kg	U	YES															
Vinyl chloride	4.59		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	379		ug/Kg	U	YES															
1,2-Dichlorobenzene	379		ug/Kg	U	YES															
1,3-Dichlorobenzene	379		ug/Kg	U	YES															
1,4-Dichlorobenzene	379		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

5183

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S4
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889010

Lab Report Batch : 31101889
 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	379		ug/Kg	U	YES																
2,4,6-Trichlorophenol	379		ug/Kg	U	YES																
2,4-Dichlorophenol	379		ug/Kg	U	YES																
2,4-Dimethylphenol	379		ug/Kg	U	YES																
2,4-Dinitrotoluene	379		ug/Kg	U	YES																
2,6-Dinitrotoluene	379		ug/Kg	U	YES																
2-Chloronaphthalene	379		ug/Kg	U	YES																
2-Chlorophenol	379		ug/Kg	U	YES																
2-Methylnaphthalene	379		ug/Kg	U	YES																
2-Methylphenol	379		ug/Kg	U	YES																
2-Nitroaniline	379		ug/Kg	U	YES																
2-Nitrophenol	379		ug/Kg	U	YES																
3 and/or 4-Methylphenol	379		ug/Kg	U	YES																
3-Nitroaniline	379		ug/Kg	U	YES																
4-Bromophenyl phenyl ether	379		ug/Kg	U	YES																
4-Chloro-3-methylphenol	379		ug/Kg	U	YES																
4-Chloroaniline	379		ug/Kg	U	YFS																
4-Chlorophenyl phenyl ether	379		ug/Kg	U	YES																
4-Nitroaniline	379		ug/Kg	U	YES																
4-Nitrophenol	379		ug/Kg	U	YES																
Acenaphthene	379		ug/Kg	U	YES																
Acenaphthylene	379		ug/Kg	U	YES																
Anthracene	379		ug/Kg	U	YES																
Benzo(a)anthracene	379		ug/Kg	U	YES																
Benzo(a)pyrene	379		ug/Kg	U	YES																
Benzo(b)fluoranthene	379		ug/Kg	U	YES																

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

5184

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S4
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889010

Lab Report Batch : 31101889
 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 : 8270D																				
Dilution: 1																				
Benzo(g,h,i)perylene	379		ug/Kg	U	YES															
Benzo(k)fluoranthene	379		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	379		ug/Kg	U	YES															
Bis(2-Chloroethoxy)ether	379		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	379		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	379		ug/Kg	U	YES															
Butyl benzyl phthalate	379		ug/Kg	U	YES															
Chrysene	379		ug/Kg	U	YES															
Dibenz(a,h)anthracene	379		ug/Kg	U	YES															
Dibenzofuran	379		ug/Kg	U	YES															
Diethyl phthalate	379		ug/Kg	U	YES															
Dimethyl phthalate	379		ug/Kg	U	YES															
Di-n-butyl phthalate	379		ug/Kg	U	YES															
Di-n-octyl phthalate	379		ug/Kg	U	YES															
Fluoranthene	379		ug/Kg	U	YES															
Fluorene	379		ug/Kg	U	YES															
Hexachlorobenzene	379		ug/Kg	U	YES															
Hexachlorobutadiene	379		ug/Kg	U	YES															
Hexachlorocyclopentadiene	379		ug/Kg	U	YES															
Hexachloroethane	379		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	379		ug/Kg	U	YES															
Isophorone	379		ug/Kg	U	YES															
Naphthalene	379		ug/Kg	U	YES															
Nitrobenzene	379		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	379		ug/Kg	U	YES															
Pentachlorophenol	379		ug/Kg	U	YES	UJ					UJ									

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

5785

Sample Qualification Report (All Analytes)

Client Sample ID : E11-135-S4
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889010

Lab Report Batch : 31101889
 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	379		ug/Kg	U	YES															
Phenol	379		ug/Kg	U	YES															
Pyrene	379		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

5186

Sample Qualification Report (All Analytes)

Client Sample ID : E11-137-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889011

Lab Report Batch : 31101889
 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	5.93		mg/kg		YES	J					J	J								
Barium	96.6		mg/kg		YES															
Cadmium	1.02		mg/kg		YES	U			U											
Chromium	3.22		mg/kg		YES	J						J								
Lead	21.0		mg/kg		YES	J														
Selenium	0.480		mg/kg	J	YES						J									
Silver	1.05		mg/kg	U	YES															
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.00226		mg/kg	J	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	0.760		ug/Kg	JP	YES															
4,4'-DDE	0.760		ug/Kg	JP	YES															
4,4'-DDT	0.757		ug/Kg	JP	YES	U			U											
4,4'-DDT	0.757		ug/Kg	JP	YES	U			U											
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	33.8		ug/Kg	U	YES															
Chlordane	33.8		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

5787

Sample Qualification Report (All Analytes)

Client Sample ID : E11-137-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889011

Lab Report Batch : 31101889
 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 Qua ^a	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Molst Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081							Dilution: 1													
della-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	33.8		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

5188

Sample Qualification Report (All Analytes)

Client Sample ID : E11-137-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889011

Lab Report Batch : 31101889
 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	Rep Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 1																				
Toxaphene	33.8		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															
2,4-D	0.0163		mg/kg	U	YES															
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	3.84		ug/Kg	U	YES															
1,1,1-Trichloroethane	3.84		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	3.84		ug/Kg	U	YES															
1,1,2-Trichloroethane	3.84		ug/Kg	U	YES															
1,1-Dichloroethane	3.84		ug/Kg	U	YES	UJ					UJ									
1,1-Dichloroethene	3.84		ug/Kg	U	YES	UJ					UJ									
1,1-Dichloropropene	3.84		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	3.84		ug/Kg	U	YES															
1,2,3-Trichloropropane	3.84		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	3.84		ug/Kg	U	YES															
1,2,4-Trimethylbenzene	3.84		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	23.0		ug/Kg	U	YES															
1,2-Dibromoethane	3.84		ug/Kg	U	YES															
1,2-Dichlorobenzene	3.84		ug/Kg	U	YES															
1,2-Dichloroethane	3.84		ug/Kg	U	YES															
1,2-Dichloropropane	3.84		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	3.84		ug/Kg	U	YES															
1,3-Dichlorobenzene	3.84		ug/Kg	U	YES															
1,3-Dichloropropane	3.84		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

5189

Sample Qualification Report (All Analytes)

Client Sample ID : E11-137-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889011

Lab Report Batch : 31101889
 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	3.84		ug/Kg	U	YES															
2,2-Dichloropropane	3.84		ug/Kg	U	YES															
2-Butanone	19.2		ug/Kg	U	YES															
2-Chlorotoluene	3.84		ug/Kg	U	YES															
2-Hexanone	9.60		ug/Kg	U	YES															
4-Chlorotoluene	3.84		ug/Kg	U	YES															
4-Isopropyltoluene	3.84		ug/Kg	U	YES															
4-Methyl-2-pentanone	9.60		ug/Kg	U	YES															
Acetone	6.47		ug/Kg	J	YES	J				J										
Benzene	3.84		ug/Kg	U	YES															
Bromobenzene	3.84		ug/Kg	U	YES															
Bromochloromethane	3.84		ug/Kg	U	YES															
Bromodichloromethane	3.84		ug/Kg	U	YES															
Bromoform	3.84		ug/Kg	U	YES															
Bromomethane	3.84		ug/Kg	U	YES															
Carbon disulfide	3.84		ug/Kg	U	YES	UJ					UJ									
Carbon tetrachloride	3.84		ug/Kg	U	YES															
Chlorobenzene	3.84		ug/Kg	U	YES															
Chloroethane	3.84		ug/Kg	U	YES															
Chloroform	3.84		ug/Kg	U	YES															
Chloromethane	3.84		ug/Kg	U	YES															
cis-1,2-Dichloroethene	3.84		ug/Kg	U	YES															
cis-1,3-Dichloropropene	3.84		ug/Kg	U	YES															
Dibromochloromethane	3.84		ug/Kg	U	YES															
Dibromomethane	3.84		ug/Kg	U	YES															
Dichlorodifluoromethane	3.84		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

5190

Sample Qualification Report (All Analytes)

Client Sample ID : E11-137-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889011

Lab Report Batch : 31101889
 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																				
Ethyl Benzene	3.84		ug/Kg	U	YES															
Hexachlorobutadiene	3.84		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	3.84		ug/Kg	U	YES															
m,p-Xylene	7.68		ug/Kg	U	YES															
Methyl iodide	3.84		ug/Kg	U	YES															
Methylene chloride	15.4		ug/Kg	U	YES	UJ					UJ									
Naphthalene	3.84		ug/Kg	U	YES															
n-Butylbenzene	3.84		ug/Kg	U	YES															
n-Propylbenzene	3.84		ug/Kg	U	YES															
o-Xylene	3.84		ug/Kg	U	YES															
sec-Butylbenzene	3.84		ug/Kg	U	YES															
Styrene	3.84		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	3.84		ug/Kg	U	YES	UJ					UJ									
tert-Dutylbenzene	3.84		ug/Kg	U	YES															
Tetrachloroethene	3.84		ug/Kg	U	YES															
Toluene	3.84		ug/Kg	U	YES															
trans-1,2-Dichloroethene	3.84		ug/Kg	U	YES	UJ					UJ									
trans-1,3-Dichloropropene	3.84		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	19.2		ug/Kg	U	YES															
Trichloroethene	3.84		ug/Kg	U	YES															
Trichlorofluoromethane	3.84		ug/Kg	U	YES															
Vinyl chloride	3.84		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	320		ug/Kg	U	YES															
1,2-Dichlorobenzene	320		ug/Kg	U	YES															
1,3-Dichlorobenzene	320		ug/Kg	U	YES															
1,4-Dichlorobenzene	320		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

5191

Sample Qualification Report (All Analytes)

Client Sample ID : E11-137-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889011

Lab Report Batch : 31101889
 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	320		ug/Kg	U	YES																
2,4,6-Trichlorophenol	320		ug/Kg	U	YES																
2,4-Dichlorophenol	320		ug/Kg	U	YES																
2,4-Dimethylphenol	320		ug/Kg	U	YES																
2,4-Dinitrotoluene	320		ug/Kg	U	YES																
2,6-Dinitrotoluene	320		ug/Kg	U	YES																
2-Chloronaphthalene	320		ug/Kg	U	YES																
2-Chlorophenol	320		ug/Kg	U	YES																
2-Methylnaphthalene	320		ug/Kg	U	YES																
2-Methylphenol	320		ug/Kg	U	YES																
2-Nitroaniline	320		ug/Kg	U	YES																
2-Nitrophenol	320		ug/Kg	U	YES																
3 and/or 4-Methylphenol	320		ug/Kg	U	YES																
3 Nitroaniline	320		ug/Kg	U	YES																
4-Bromophenyl phenyl ether	320		ug/Kg	U	YES																
4-Chloro-3-methylphenol	320		ug/Kg	U	YES																
4-Chloroaniline	320		ug/Kg	U	YES																
4-Chlorophenyl phenyl ether	320		ug/Kg	U	YES																
4-Nitroaniline	320		ug/Kg	U	YES																
4-Nitrophenol	320		ug/Kg	U	YES																
Acenaphthene	320		ug/Kg	U	YES																
Acenaphthylene	320		ug/Kg	U	YES																
Anthracene	320		ug/Kg	U	YES																
Benzo(a)anthracene	320		ug/Kg	U	YES																
Benzo(a)pyrene	320		ug/Kg	U	YES																
Benzo(b)fluoranthene	320		ug/Kg	U	YES																

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

Library Used: CampCarroll

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5192

Sample Qualification Report (All Analytes)

Client Sample ID : E11-137-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889011

Lab Report Batch : 31101889
 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																				
Benzo(g,h,i)perylene	320		ug/Kg	U	YES															
Benzo(k)fluoranthene	320		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	320		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	320		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	320		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	320		ug/Kg	U	YES															
Butyl benzyl phthalate	320		ug/Kg	U	YES															
Chrysene	320		ug/Kg	U	YES															
Dibenz(a,h)anthracene	320		ug/Kg	U	YES															
Dibenzofuran	320		ug/Kg	U	YES															
Diethyl phthalate	320		ug/Kg	U	YES															
Dimethyl phthalate	320		ug/Kg	U	YES															
Di-n-butyl phthalate	320		ug/Kg	U	YES															
Di-n-octyl phthalate	320		ug/Kg	U	YES															
Fluoranthene	320		ug/Kg	U	YES															
Fluorene	320		ug/Kg	U	YES															
Hexachlorobenzene	320		ug/Kg	U	YES															
Hexachlorobutadiene	320		ug/Kg	U	YES															
Hexachlorocyclopentadiene	320		ug/Kg	U	YES															
Hexachloroethane	320		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	320		ug/Kg	U	YES															
Isophorone	320		ug/Kg	U	YES															
Naphthalene	320		ug/Kg	U	YES															
Nitrobenzene	320		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	320		ug/Kg	U	YES															
Pentachlorophenol	320		ug/Kg	U	YES	UJ														

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

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5193

Sample Qualification Report (All Analytes)

Client Sample ID : E11-137-S1
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889011

Lab Report Batch : 31101889
 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	320		ug/Kg	U	YES															
Phenol	320		ug/Kg	U	YES															
Pyrene	320		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

5194

Sample Qualification Report (All Analytes)

Client Sample ID : E11-137-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889012

Lab Report Batch : 31101889
 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	3.63		mg/kg		YES	J					J	J								
Barium	79.9		mg/kg		YES															
Cadmium	0.864		mg/kg		YES	U			U											
Chromium	4.75		mg/kg		YES	J						J								
Lead	7.73		mg/kg		YES	J					J									
Selenium	0.708		mg/kg	J	YES															
Silver	1.12		mg/kg	U	YES															
Analysis Method : 7471B				Dilution: 1																
Mercury	0.0220		mg/kg	U	YES															
Analysis Method : 8081				Dilution: 1																
4,4'-DDD	10.5		ug/Kg	U	YES															
4,4'-DDD	10.5		ug/Kg	U	YES															
4,4'-DDE	0.535		ug/Kg	J P	YES															
4,4'-DDE	0.535		ug/Kg	J P	YES															
4,4'-DDT	2.35		ug/Kg	J	YES	UJ			U		J									
4,4'-DDT	2.35		ug/Kg	J	YES	UJ			U		J									
Aldrin	10.5		ug/Kg	U	YES															
Aldrin	10.5		ug/Kg	U	YES															
alpha-BHC	10.5		ug/Kg	U	YES															
alpha-BHC	10.5		ug/Kg	U	YES															
alpha-Chlordane	10.5		ug/Kg	U	YES															
alpha-Chlordane	10.5		ug/Kg	U	YES															
beta-BHC	10.5		ug/Kg	U	YES															
beta-BHC	10.5		ug/Kg	U	YES															
Chlordane	35.1		ug/Kg	U	YES															
Chlordane	35.1		ug/Kg	U	YES															
delta-BHC	10.5		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

5195

Sample Qualification Report (All Analytes)

Client Sample ID : E11-137-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889012

Lab Report Batch : 31101889
 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	10.5		ug/Kg	U	YES															
Dieldrin	10.5		ug/Kg	U	YES															
Dieldrin	10.5		ug/Kg	U	YES															
Endosulfan I	10.5		ug/Kg	U	YES															
Endosulfan I	10.5		ug/Kg	U	YES															
Endosulfan II	10.5		ug/Kg	U	YES															
Endosulfan II	10.5		ug/Kg	U	YES															
Endosulfan sulfate	10.5		ug/Kg	U	YES															
Endosulfan sulfate	10.5		ug/Kg	U	YES															
Endrin	10.5		ug/Kg	U	YES															
Endrin	10.5		ug/Kg	U	YES															
Endrin aldehyde	10.5		ug/Kg	U	YES															
Endrin aldehyde	10.5		ug/Kg	U	YES															
Endrin ketone	10.5		ug/Kg	U	YES															
Endrin ketone	10.5		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.5		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.5		ug/Kg	U	YES															
gamma-Chlordane	10.5		ug/Kg	U	YES															
gamma-Chlordane	10.5		ug/Kg	U	YES															
Heptachlor	10.5		ug/Kg	U	YES															
Heptachlor	10.5		ug/Kg	U	YES															
Heptachlor epoxide	10.5		ug/Kg	U	YES															
Heptachlor epoxide	10.5		ug/Kg	U	YES															
Methoxychlor	10.5		ug/Kg	U	YES															
Methoxychlor	10.5		ug/Kg	U	YES															
Toxaphene	35.1		ug/Kg	U	YES															

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

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Sample Qualification Report (All Analytes)

Client Sample ID : E11-137-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889012

Lab Report Batch : 31101889
 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	35.1		ug/Kg	U	YES															
Analysis Method : 8151																				
Dilution: 1																				
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															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.67		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.67		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.67		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.67		ug/Kg	U	YES															
1,1-Dichloroethane	4.67		ug/Kg	U	YES	UJ										UJ				
1,1-Dichloroethene	4.67		ug/Kg	U	YES	UJ										UJ				
1,1-Dichloropropane	4.67		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.67		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.67		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.67		ug/Kg	U	YES															
1,2,4-Trimethylbenzene	4.67		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	28.0		ug/Kg	U	YES															
1,2-Dibromoethane	4.67		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.67		ug/Kg	U	YES															
1,2-Dichloroethane	4.67		ug/Kg	U	YES															
1,2-Dichloropropane	4.67		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.67		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.67		ug/Kg	U	YES															
1,3-Dichloropropane	4.67		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

5197

Sample Qualification Report (All Analytes)

Client Sample ID : E11-137-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889012

Lab Report Batch : 31101889
 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	4.67		ug/Kg	U	YES															
2,2-Dichloropropane	4.67		ug/Kg	U	YES															
2-Butanone	23.3		ug/Kg	U	YES															
2-Chlorotoluene	4.67		ug/Kg	U	YES															
2-Hexanone	11.7		ug/Kg	U	YES															
4-Chlorotoluene	4.67		ug/Kg	U	YES															
4-Isopropyltoluene	4.67		ug/Kg	U	YES															
4-Methyl-2-pentanone	11.7		ug/Kg	U	YES															
Acetone	15.4		ug/Kg	J	YES	J					J									
Benzene	4.67		ug/Kg	U	YES															
Bromobenzene	4.67		ug/Kg	U	YES															
Bromochloromethane	4.67		ug/Kg	U	YES															
Bromodichloromethane	4.67		ug/Kg	U	YES															
Bromoform	4.67		ug/Kg	U	YES															
Bromomethane	4.67		ug/Kg	U	YES															
Carbon disulfide	4.67		ug/Kg	U	YES	UJ					UJ									
Carbon tetrachloride	4.67		ug/Kg	U	YES															
Chlorobenzene	4.67		ug/Kg	U	YES															
Chloroethane	4.67		ug/Kg	U	YES															
Chloroform	4.67		ug/Kg	U	YES															
Chloromethane	4.67		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.67		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.67		ug/Kg	U	YES															
Dibromochloromethane	4.67		ug/Kg	U	YES															
Dibromomethane	4.67		ug/Kg	U	YES															
Dichlorodifluoromethane	4.67		ug/Kg	U	YES															

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

Library Used: CampCarroll

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5198

Sample Qualification Report (All Analytes)

Client Sample ID : E11-137-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889012

Lab Report Batch : 31101889
 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	4.67		ug/Kg	U	YES															
Hexachlorobutadiene	4.67		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.67		ug/Kg	U	YES															
m,p-Xylene	9.33		ug/Kg	U	YES															
Methyl iodide	4.67		ug/Kg	U	YES															
Methylene chloride	16.7		ug/Kg	U	YES	UJ					UJ									
Naphthalene	4.67		ug/Kg	U	YES															
n-Butylbenzene	4.67		ug/Kg	U	YES															
n-Propylbenzene	4.67		ug/Kg	U	YES															
o-Xylene	4.67		ug/Kg	U	YES															
sec-Butylbenzene	4.67		ug/Kg	U	YES															
Styrene	4.67		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	4.67		ug/Kg	U	YES	UJ					UJ									
tert-Butylbenzene	4.67		ug/Kg	U	YES															
Tetrachloroethene	4.67		ug/Kg	U	YES															
Toluene	4.67		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.67		ug/Kg	U	YES	UJ					UJ									
trans-1,3-Dichloropropene	4.67		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	23.3		ug/Kg	U	YES															
Trichloroethene	4.67		ug/Kg	U	YES															
Trichlorofluoromethane	4.67		ug/Kg	U	YES															
Vinyl chloride	4.67		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	352		ug/Kg	U	YES															
1,2-Dichlorobenzene	352		ug/Kg	U	YES															
1,3-Dichlorobenzene	352		ug/Kg	U	YES															
1,4-Dichlorobenzene	352		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

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Sample Qualification Report (All Analytes)

Client Sample ID : E11-137-S2
 Sample Date : 07/16/2011
 Lab Sample ID: 31101889012

Lab Report Batch : 31101889
 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	352		ug/Kg	U	YES																
2,4,6-Trichlorophenol	352		ug/Kg	U	YES																
2,4-Dichlorophenol	352		ug/Kg	U	YES																
2,4-Dimethylphenol	352		ug/Kg	U	YES																
2,4-Dinitrotoluene	352		ug/Kg	U	YES																
2,6-Dinitrotoluene	352		ug/Kg	U	YES																
2-Chloronaphthalene	352		ug/Kg	U	YES																
2-Chlorophenol	352		ug/Kg	U	YES																
2-Methylnaphthalene	352		ug/Kg	U	YES																
2-Methylphenol	352		ug/Kg	U	YES																
2-Nitroaniline	352		ug/Kg	U	YES																
2-Nitrophenol	352		ug/Kg	U	YES																
3 and/or 4-Methylphenol	352		ug/Kg	U	YES																
3-Nitroaniline	352		ug/Kg	U	YES																
4-Bromophenyl phenyl ether	352		ug/Kg	U	YES																
4-Chloro-3-methylphenol	352		ug/Kg	U	YES																
4-Chloroaniline	352		ug/Kg	U	YES																
4-Chlorophenyl phenyl ether	352		ug/Kg	U	YES																
4-Nitroaniline	352		ug/Kg	U	YES																
4-Nitrophenol	352		ug/Kg	U	YES																
Acenaphthene	352		ug/Kg	U	YES																
Acenaphthylene	352		ug/Kg	U	YES																
Anthracene	352		ug/Kg	U	YES																
Benzo(a)anthracene	352		ug/Kg	U	YES																
Benzo(a)pyrene	352		ug/Kg	U	YES																
Benzo(b)fluoranthene	352		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 09:53

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