



Uploaded to the VFC Website

▶▶▶ February 2014 ◀◀◀

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

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

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

[Veterans-For-Change](http://www.veteransforchange.org)

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

If Veterans don't help Veterans, who will?

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

https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=WGT2M5UTB9A78

Note:

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



Sample Qualification Report (All Analytes)

Client Sample ID : E11-150-S2

Lab Report Batch : 31101915

Lab ID : SGSW

Sample Date : 07/18/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101915017

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	334		ug/Kg	U	YES															
Naphthalene	334		ug/Kg	U	YES															
Nitrobenzene	334		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	334		ug/Kg	U	YES															
Pentachlorophenol	334		ug/Kg	U	YES	UJ				UJ										
Phenanthrene	334		ug/Kg	U	YES															
Phenol	334		ug/Kg	U	YES															
Pyrene	334		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 106 of 182

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

5501

Sample Qualification Report (All Analytes)

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

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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	3.22		mg/kg		YES															
Barium	48.3		mg/kg		YES															
Cadmium	0.551		mg/kg		YES	U							U							
Chromium	10.3		mg/kg		YES															
Lead	9.41		mg/kg		YES															
Selenium	1.93		mg/kg	U	YES															
Silver	0.964		mg/kg	U	YES															
Analysis Method : 7471B				Dilution: 1																
Mercury	0.00247		mg/kg	J	YES															
Analysis Method : 8081				Dilution: 1																
4,4'-DDD	1.23		ug/Kg	J	YES	J								J						
4,4'-DDD	1.23		ug/Kg	J	YES	J								J						
4,4'-DDE	10.7		ug/Kg	U	YES	UJ								UJ						
4,4'-DDE	10.7		ug/Kg	U	YES	UJ								UJ						
4,4'-DDT	10.7		ug/Kg	U	YES	UJ								UJ						
4,4'-DDT	10.7		ug/Kg	U	YES	UJ								UJ						
Aldrin	10.7		ug/Kg	U	YES	UJ								UJ						
Aldrin	10.7		ug/Kg	U	YES	UJ								UJ						
alpha-BHC	10.7		ug/Kg	U	YES	UJ								UJ						
alpha-BHC	10.7		ug/Kg	U	YES	UJ								UJ						
alpha-Chlordane	10.7		ug/Kg	U	YES	UJ								UJ						
alpha-Chlordane	10.7		ug/Kg	U	YES	UJ								UJ						
beta-BHC	10.7		ug/Kg	U	YES	UJ								UJ						
beta-BHC	10.7		ug/Kg	U	YES	UJ								UJ						
Chlordane	35.5		ug/Kg	U	YES	UJ								UJ						
Chlordane	35.5		ug/Kg	U	YES	UJ								UJ						
delta-BHC	10.7		ug/Kg	U	YES	UJ								UJ						

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 107 of 182

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

5502

Sample Qualification Report (All Analytes)

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

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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	10.7		ug/Kg	U	YES	UJ							UJ							
Dieldrin	10.7		ug/Kg	U	YES	UJ							UJ							
Dieldrin	10.7		ug/Kg	U	YES	UJ							UJ							
Endosulfan I	10.7		ug/Kg	U	YES	UJ							UJ							
Endosulfan I	10.7		ug/Kg	U	YES	UJ							UJ							
Endosulfan II	10.7		ug/Kg	U	YES	UJ							UJ							
Endosulfan II	10.7		ug/Kg	U	YES	UJ							UJ							
Endosulfan sulfate	10.7		ug/Kg	U	YES	UJ							UJ							
Endosulfan sulfate	10.7		ug/Kg	U	YES	UJ							UJ							
Endrin	10.7		ug/Kg	U	YES	UJ							UJ							
Endrin	10.7		ug/Kg	U	YES	UJ							UJ							
Endrin aldehyde	10.7		ug/Kg	U	YES	UJ							UJ							
Endrin aldehyde	10.7		ug/Kg	U	YES	UJ							UJ							
Endrin ketone	10.7		ug/Kg	U	YES	UJ							UJ							
Endrin ketone	10.7		ug/Kg	U	YES	UJ							UJ							
gamma-BHC (Lindane)	10.7		ug/Kg	U	YES	UJ							UJ							
gamma-BHC (Lindane)	10.7		ug/Kg	U	YES	UJ							UJ							
gamma-Chlordane	10.7		ug/Kg	U	YES	UJ							UJ							
gamma-Chlordane	10.7		ug/Kg	U	YES	UJ							UJ							
Heptachlor	10.7		ug/Kg	U	YES	UJ							UJ							
Heptachlor	10.7		ug/Kg	U	YES	UJ							UJ							
Heptachlor epoxide	10.7		ug/Kg	U	YES	UJ							UJ							
Heptachlor epoxide	10.7		ug/Kg	U	YES	UJ							UJ							
Methoxychlor	10.7		ug/Kg	U	YES	UJ							UJ							
Methoxychlor	10.7		ug/Kg	U	YES	UJ							UJ							
Toxaphene	35.5		ug/Kg	U	YES	UJ							UJ							

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 108 of 182

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

5503

Sample Qualification Report (All Analytes)

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

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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	35.5		ug/Kg	U	YES	UJ							UJ							
Analysis Method : 8151																				
Dilution: 1																				
2,4,5-T	0.0177		mg/kg	U	YES															
2,4,5-T	0.0177		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0177		mg/kg	U	YES	UJ					UJ									
2,4,5-TP (Silvex)	0.0177		mg/kg	U	YES	UJ					UJ									
2,4'-D	0.0177		mg/kg	U	YES	UJ					UJ									
2,4'-D	0.0177		mg/kg	U	YES	UJ					UJ									
2,4-DB	0.0177		mg/kg	U	YES															
2,4-DB	0.0177		mg/kg	U	YES															
Dicamba	0.0177		mg/kg	U	YES															
Dicamba	0.0177		mg/kg	U	YES															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.50		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.50		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.50		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.50		ug/Kg	U	YES															
1,1-Dichloroethane	4.50		ug/Kg	U	YES															
1,1-Dichloroethene	4.50		ug/Kg	U	YES															
1,1-Dichloropropene	4.50		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.50		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.50		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.50		ug/Kg	U	YES	UJ					UJ									
1,2,4-Trimethylbenzene	4.50		ug/Kg	U	YES	UJ					UJ									
1,2-Dibromo-3-chloropropane	27.0		ug/Kg	U	YES															
1,2-Dibromoethane	4.50		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.50		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 109 of 182

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

5504

Sample Qualification Report (All Analytes)

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

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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	4.50		ug/Kg	U	YES															
1,2-Dichloropropane	4.50		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.50		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.50		ug/Kg	U	YES															
1,3-Dichloropropane	4.50		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.50		ug/Kg	U	YES															
2,2-Dichloropropane	4.50		ug/Kg	U	YES															
2-Butanone	3.73		ug/Kg	J	YES	J					J		J							
2-Chlorotoluene	4.50		ug/Kg	U	YES															
2-Hexanone	11.3		ug/Kg	U	YES															
4-Chlorotoluene	4.50		ug/Kg	U	YES															
4-Isopropyltoluene	4.50		ug/Kg	U	YES															
4-Methyl-2-pentanone	11.3		ug/Kg	U	YES															
Acetone	33.4		ug/Kg	J	YES	J				J	J		J							
Benzene	4.50		ug/Kg	U	YES															
Bromobenzene	4.50		ug/Kg	U	YES															
Bromochloromethane	4.50		ug/Kg	U	YES															
Bromodichloromethane	4.50		ug/Kg	U	YES															
Bromoform	4.50		ug/Kg	U	YES															
Bromomethane	4.50		ug/Kg	U	YES															
Carbon disulfide	4.50		ug/Kg	U	YES															
Carbon tetrachloride	4.50		ug/Kg	U	YES															
Chlorobenzene	4.50		ug/Kg	U	YES															
Chloroethane	4.50		ug/Kg	U	YES															
Chloroform	4.50		ug/Kg	U	YES															
Chloromethane	4.50		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 110 of 182

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

5505

Sample Qualification Report (All Analytes)

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

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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	4.50		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.50		ug/Kg	U	YES															
Dibromochloromethane	4.50		ug/Kg	U	YES															
Dibromomethane	4.50		ug/Kg	U	YES															
Dichlorodifluoromethane	4.50		ug/Kg	U	YES															
Ethyl Benzene	4.50		ug/Kg	U	YES															
Hexachlorobutadiene	4.50		ug/Kg	U	YES	UJ														
Isopropylbenzene (Cumene)	4.50		ug/Kg	U	YES															
m,p-Xylene	9.01		ug/Kg	U	YES															
Methyl iodide	1.98		ug/Kg	J	YES	J								J						
Methylene chloride	1.58		ug/Kg	J	YES	UJ			U					J						
Naphthalene	4.50		ug/Kg	U	YES	UJ														
n-Butylbenzene	4.50		ug/Kg	U	YES	UJ														
n-Propylbenzene	4.50		ug/Kg	U	YES															
o-Xylene	4.50		ug/Kg	U	YES															
sec-Butylbenzene	4.50		ug/Kg	U	YES															
Styrene	4.50		ug/Kg	U	YES	UJ														
tert-Butyl methyl ether (MTBE)	4.50		ug/Kg	U	YES															
tert-Butylbenzene	4.50		ug/Kg	U	YES															
Tetrachloroethene	4.50		ug/Kg	U	YES															
Toluene	0.738		ug/Kg	J	YES	J								J						
trans-1,2-Dichloroethene	4.50		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.50		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	22.5		ug/Kg	U	YES															
Trichloroethene	4.50		ug/Kg	U	YES															
Trichlorofluoromethane	4.50		ug/Kg	U	YES	UJ														

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 111 of 182

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

5506

Sample Qualification Report (All Analytes)

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

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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	4.50		ug/Kg	U	YES															
Analysis Method : 8270D							Dilution: 1													
1,2,4-Trichlorobenzene	350		ug/Kg	U	YES															
1,2-Dichlorobenzene	350		ug/Kg	U	YES															
1,3-Dichlorobenzene	350		ug/Kg	U	YES															
1,4-Dichlorobenzene	350		ug/Kg	U	YES															
2,4,5-Trichlorophenol	350		ug/Kg	U	YES															
2,4,6-Trichlorophenol	350		ug/Kg	U	YES															
2,4-Dichlorophenol	350		ug/Kg	U	YES															
2,4-Dimethylphenol	350		ug/Kg	U	YES															
2,4-Dinitrotoluene	350		ug/Kg	U	YES															
2,6-Dinitrotoluene	350		ug/Kg	U	YES															
2-Chloronaphthalene	350		ug/Kg	U	YES															
2-Chlorophenol	350		ug/Kg	U	YES															
2-Methylnaphthalene	350		ug/Kg	U	YES															
2-Methylphenol	350		ug/Kg	U	YES															
2-Nitroaniline	350		ug/Kg	U	YES															
2-Nitrophenol	350		ug/Kg	U	YES															
3 and/or 4-Methylphenol	350		ug/Kg	U	YES															
3-Nitroaniline	350		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	350		ug/Kg	U	YES															
4-Chloro-3-methylphenol	350		ug/Kg	U	YES															
4-Chloroaniline	350		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	350		ug/Kg	U	YES															
4-Nitroaniline	350		ug/Kg	U	YES															
4-Nitrophenol	350		ug/Kg	U	YES															
Acenaphthene	350		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 112 of 182

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

5507

Sample Qualification Report (All Analytes)

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

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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																					
Acenaphthylene	350		ug/Kg	U	YES																
Anthracene	350		ug/Kg	U	YES																
Benzo(a)anthracene	350		ug/Kg	U	YES																
Benzo(a)pyrene	350		ug/Kg	U	YES																
Benzo(b)fluoranthene	350		ug/Kg	U	YES																
Benzo(g,h,i)perylene	350		ug/Kg	U	YES																
Benzo(k)fluoranthene	350		ug/Kg	U	YES																
Bis(2-Chloroethoxy)methane	350		ug/Kg	U	YES																
Bis(2-Chloroethyl)ether	350		ug/Kg	U	YES																
Bis(2-Chloroisopropyl)ether	350		ug/Kg	U	YES																
Bis(2-Ethylhexyl)phthalate	350		ug/Kg	U	YES																
Butyl benzyl phthalate	350		ug/Kg	U	YES																
Chrysene	350		ug/Kg	U	YES																
Dibenz(a,h)anthracene	350		ug/Kg	U	YES																
Dibenzofuran	350		ug/Kg	U	YES																
Diethyl phthalate	350		ug/Kg	U	YES																
Dimethyl phthalate	350		ug/Kg	U	YES																
Di-n-butyl phthalate	350		ug/Kg	U	YES																
Di-n-octyl phthalate	350		ug/Kg	U	YES																
Fluoranthene	350		ug/Kg	U	YES																
Fluorene	350		ug/Kg	U	YES																
Hexachlorobenzene	350		ug/Kg	U	YES																
Hexachlorobutadiene	350		ug/Kg	U	YES																
Hexachlorocyclopentadiene	350		ug/Kg	U	YES																
Hexachloroethane	350		ug/Kg	U	YES																
Indeno(1,2,3-cd)pyrene	350		ug/Kg	U	YES																

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 113 of 182

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

5508

Sample Qualification Report (All Analytes)

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

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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	350		ug/Kg	U	YES															
Naphthalene	350		ug/Kg	U	YES															
Nitrobenzene	350		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	350		ug/Kg	U	YES															
Pentachlorophenol	350		ug/Kg	U	YES	UJ				UJ										
Phenanthrene	350		ug/Kg	U	YES															
Phenol	350		ug/Kg	U	YES															
Pyrene	350		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 114 of 182

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

5509

Sample Qualification Report (All Analytes)

Client Sample ID : E11-150-S4
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915021

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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 : 6010C				Dilution: 1																
Arsenic	2.23		mg/kg		YES															
Barium	49.2		mg/kg		YES	J						J								
Cadmium	0.605		mg/kg		YES	U							U							
Chromium	4.08		mg/kg		YES															
Lead	4.81		mg/kg		YES	J							J	J						
Selenium	2.20		mg/kg	U	YES															
Silver	1.10		mg/kg	U	YES															
Analysis Method : 7471B				Dilution: 1																
Mercury	0.00566		mg/kg	J	YES															
Analysis Method : 8081				Dilution: 1																
4,4'-DDD	10.8		ug/Kg	U	YES															
4,4'-DDD	10.8		ug/Kg	U	YES															
4,4'-DDE	10.8		ug/Kg	U	YES															
4,4'-DDE	10.8		ug/Kg	U	YES															
4,4'-DDT	10.8		ug/Kg	U	YES															
4,4'-DDT	10.8		ug/Kg	U	YES															
Aldrin	10.8		ug/Kg	U	YES															
Aldrin	10.8		ug/Kg	U	YES															
alpha-BHC	10.8		ug/Kg	U	YES															
alpha-BHC	10.8		ug/Kg	U	YES															
alpha-Chlordane	10.8		ug/Kg	U	YES															
alpha-Chlordane	10.8		ug/Kg	U	YES															
beta-BHC	10.8		ug/Kg	U	YES															
beta-BHC	10.8		ug/Kg	U	YES															
Chlordane	36.0		ug/Kg	U	YES															
Chlordane	36.0		ug/Kg	U	YES															
delta-BHC	10.8		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 115 of 182

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

5510

Sample Qualification Report (All Analytes)

Client Sample ID : E11-150-S4
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915021

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	10.8		ug/Kg	U	YES															
Dieldrin	10.8		ug/Kg	U	YES															
Dieldrin	10.8		ug/Kg	U	YES															
Endosulfan I	10.8		ug/Kg	U	YES															
Endosulfan I	10.8		ug/Kg	U	YES															
Endosulfan II	10.8		ug/Kg	U	YES															
Endosulfan II	10.8		ug/Kg	U	YES															
Endosulfan sulfate	10.8		ug/Kg	U	YES															
Endosulfan sulfate	10.8		ug/Kg	U	YES															
Endrin	10.8		ug/Kg	U	YES															
Endrin	10.8		ug/Kg	U	YES															
Endrin aldehyde	10.8		ug/Kg	U	YES															
Endrin aldehyde	10.8		ug/Kg	U	YES															
Endrin ketone	10.8		ug/Kg	U	YES															
Endrin ketone	10.8		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.8		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.8		ug/Kg	U	YES															
gamma-Chlordane	10.8		ug/Kg	U	YES															
gamma-Chlordane	10.8		ug/Kg	U	YES															
Heptachlor	10.8		ug/Kg	U	YES															
Heptachlor	10.8		ug/Kg	U	YES															
Heptachlor epoxide	10.8		ug/Kg	U	YES															
Heptachlor epoxide	10.8		ug/Kg	U	YES															
Methoxychlor	10.8		ug/Kg	U	YES															
Methoxychlor	10.8		ug/Kg	U	YES															
Toxaphene	36.0		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 116 of 182

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

5511

Sample Qualification Report (All Analytes)

Client Sample ID : E11-150-S4
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915021

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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																	
Toxaphene	36.0		ug/Kg	U	YES															
Analysis Method : 8151			Dilution: 1																	
2,4,5-T	0.0163		mg/kg	U	YES	UJ														
2,4,5-T	0.0163		mg/kg	U	YES	UJ														
2,4,5-TP (Silvex)	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	UJ														
2,4-D	0.0163		mg/kg	U	YES	UJ														
2,4-DB	0.0163		mg/kg	U	YES	UJ														
2,4-DB	0.0163		mg/kg	U	YES	UJ														
Dicamba	0.0163		mg/kg	U	YES	UJ														
Dicamba	0.0163		mg/kg	U	YES	UJ														
Analysis Method : 8260B			Dilution: 1																	
1,1,1,2-Tetrachloroethane	4.41		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.41		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.41		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.41		ug/Kg	U	YES															
1,1-Dichloroethane	4.41		ug/Kg	U	YES															
1,1-Dichloroethene	4.41		ug/Kg	U	YES															
1,1-Dichloropropene	4.41		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.41		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.41		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.41		ug/Kg	U	YES	UJ														
1,2,4-Trimethylbenzene	4.41		ug/Kg	U	YES	UJ														
1,2-Dibromo-3-chloropropane	26.5		ug/Kg	U	YES															
1,2-Dibromoethane	4.41		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.41		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 117 of 182

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

5512

Sample Qualification Report (All Analytes)

Client Sample ID : E11-150-S4
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915021

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	4.41		ug/Kg	U	YES															
1,2-Dichloropropane	4.41		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.41		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.41		ug/Kg	U	YES															
1,3-Dichloropropane	4.41		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.41		ug/Kg	U	YES															
2,2-Dichloropropane	4.41		ug/Kg	U	YES															
2-Butanone	22.1		ug/Kg	U	YES															
2-Chlorotoluene	4.41		ug/Kg	U	YES															
2-Hexanone	11.0		ug/Kg	U	YES															
4-Chlorotoluene	4.41		ug/Kg	U	YES															
4-Isopropyltoluene	4.41		ug/Kg	U	YES															
4-Methyl-2-pentanone	11.0		ug/Kg	U	YES															
Acetone	3.92		ug/Kg	J	YES	J				J	J									
Benzene	4.41		ug/Kg	U	YES															
Bromobenzene	4.41		ug/Kg	U	YES															
Bromochloromethane	4.41		ug/Kg	U	YES															
Bromodichloromethane	4.41		ug/Kg	U	YES															
Bromoform	4.41		ug/Kg	U	YES															
Bromomethane	4.41		ug/Kg	U	YES															
Carbon disulfide	4.41		ug/Kg	U	YES															
Carbon tetrachloride	4.41		ug/Kg	U	YES															
Chlorobenzene	4.41		ug/Kg	U	YES															
Chloroethane	4.41		ug/Kg	U	YES															
Chloroform	4.41		ug/Kg	U	YES															
Chloromethane	4.41		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 118 of 182

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

5513

Sample Qualification Report (All Analytes)

Client Sample ID : E11-150-S4
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915021

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	4.41		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.41		ug/Kg	U	YES															
Dibromochloromethane	4.41		ug/Kg	U	YES															
Dibromomethane	4.41		ug/Kg	U	YES															
Dichlorodifluoromethane	4.41		ug/Kg	U	YES															
Ethyl Benzene	4.41		ug/Kg	U	YES															
Hexachlorobutadiene	4.41		ug/Kg	U	YES	UJ						UJ								
Isopropylbenzene (Cumene)	4.41		ug/Kg	U	YES															
m,p-Xylene	8.83		ug/Kg	U	YES															
Methyl iodide	4.41		ug/Kg	U	YES															
Methylene chloride	2.02		ug/Kg	J	YES	U			U											
Naphthalene	4.41		ug/Kg	U	YES	UJ							UJ							
n-Butylbenzene	4.41		ug/Kg	U	YES	UJ							UJ							
n-Propylbenzene	4.41		ug/Kg	U	YES															
o-Xylene	4.41		ug/Kg	U	YES															
sec-Butylbenzene	4.41		ug/Kg	U	YES															
Styrene	4.41		ug/Kg	U	YES	UJ							UJ							
tert-Butyl methyl ether (MTBE)	4.41		ug/Kg	U	YES															
tert-Butylbenzene	4.41		ug/Kg	U	YES															
Tetrachloroethene	4.41		ug/Kg	U	YES															
Toluene	4.41		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.41		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.41		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	22.1		ug/Kg	U	YES															
Trichloroethene	4.41		ug/Kg	U	YES															
Trichlorofluoromethane	4.41		ug/Kg	U	YES	UJ							UJ							

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 119 of 182

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

5514

Sample Qualification Report (All Analytes)

Client Sample ID : E11-150-S4

Lab Report Batch : 31101915

Lab ID : SGSW

Sample Date : 07/18/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101915021

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	4.41		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	355		ug/Kg	U	YES															
1,2-Dichlorobenzene	355		ug/Kg	U	YES															
1,3-Dichlorobenzene	355		ug/Kg	U	YES															
1,4-Dichlorobenzene	355		ug/Kg	U	YES															
2,4,5-Trichlorophenol	355		ug/Kg	U	YES															
2,4,6-Trichlorophenol	355		ug/Kg	U	YES															
2,4-Dichlorophenol	355		ug/Kg	U	YES															
2,4-Dimethylphenol	355		ug/Kg	U	YES															
2,4-Dinitrotoluene	355		ug/Kg	U	YES															
2,6-Dinitrotoluene	355		ug/Kg	U	YES															
2-Chloronaphthalene	355		ug/Kg	U	YES															
2-Chlorophenol	355		ug/Kg	U	YES															
2-Methylnaphthalene	355		ug/Kg	U	YES															
2-Methylphenol	355		ug/Kg	U	YES															
2-Nitroaniline	355		ug/Kg	U	YES															
2-Nitrophenol	355		ug/Kg	U	YES															
3 and/or 4-Methylphenol	355		ug/Kg	U	YES															
3-Nitroaniline	355		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	355		ug/Kg	U	YES															
4-Chloro-3-methylphenol	355		ug/Kg	U	YES															
4-Chloroaniline	355		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	355		ug/Kg	U	YES															
4-Nitroaniline	355		ug/Kg	U	YES															
4-Nitrophenol	355		ug/Kg	U	YES															
Acenaphthene	355		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 120 of 182

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

5515

Sample Qualification Report (All Analytes)

Client Sample ID : E11-150-S4
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915021

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	355		ug/Kg	U	YES																
Anthracene	355		ug/Kg	U	YES																
Benzo(a)anthracene	355		ug/Kg	U	YES																
Benzo(a)pyrene	355		ug/Kg	U	YES																
Benzo(b)fluoranthene	355		ug/Kg	U	YES																
Benzo(g,h,i)perylene	355		ug/Kg	U	YES																
Benzo(k)fluoranthene	355		ug/Kg	U	YES																
Bis(2-Chloroethoxy)methane	355		ug/Kg	U	YES																
Bis(2-Chloroethyl)ether	355		ug/Kg	U	YES																
Bis(2-Chloroisopropyl)ether	355		ug/Kg	U	YES																
Bis(2-Ethylhexyl)phthalate	355		ug/Kg	U	YES																
Butyl benzyl phthalate	355		ug/Kg	U	YES																
Chrysene	355		ug/Kg	U	YES																
Dibenz(a,h)anthracene	355		ug/Kg	U	YES																
Dibenzofuran	355		ug/Kg	U	YES																
Diethyl phthalate	355		ug/Kg	U	YES																
Dimethyl phthalate	355		ug/Kg	U	YES																
Di-n-butyl phthalate	355		ug/Kg	U	YES																
Di-n-octyl phthalate	355		ug/Kg	U	YES																
Fluoranthene	355		ug/Kg	U	YES																
Fluorene	355		ug/Kg	U	YES																
Hexachlorobenzene	355		ug/Kg	U	YES																
Hexachlorobutadiene	355		ug/Kg	U	YES																
Hexachlorocyclopentadiene	355		ug/Kg	U	YES																
Hexachloroethane	355		ug/Kg	U	YES																
Indeno(1,2,3-cd)pyrene	355		ug/Kg	U	YES																

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 121 of 182

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

5516

Sample Qualification Report (All Analytes)

Client Sample ID : E11-150-S4
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915021

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Quali	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	355		ug/Kg	U	YES															
Naphthalene	355		ug/Kg	U	YES															
Nitrobenzene	355		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	355		ug/Kg	U	YES															
Pentachlorophenol	355		ug/Kg	U	YES	UJ				UJ										
Phenanthrene	355		ug/Kg	U	YES															
Phenol	355		ug/Kg	U	YES															
Pyrene	355		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 122 of 182

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

5517

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S1
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915007

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	3.69		mg/kg		YES															
Barium	66.6		mg/kg		YES	J					J									
Cadmium	0.749		mg/kg		YES	U			U											
Chromium	3.58		mg/kg		YES	U			U											
Lead	8.04		mg/kg		YES	J					J	J								
Selenium	2.04		mg/kg	U	YES															
Silver	1.02		mg/kg	U	YES															
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.0216		mg/kg	U	YES															
Analysis Method : 8081																				
Dilution: 1																				
4,4'-DDD	1.38		ug/Kg	J P	YES															
4,4'-DDD	1.38		ug/Kg	J P	YES															
4,4'-DDE	10.5		ug/Kg		YES															
4,4'-DDE	10.5		ug/Kg		YES															
4,4'-DDT	58.8		ug/Kg		YES															
4,4'-DDT	58.8		ug/Kg		YES															
Aldrin	10.3		ug/Kg	U	YES															
Aldrin	10.3		ug/Kg	U	YES															
alpha-BHC	10.3		ug/Kg	U	YES															
alpha-BHC	10.3		ug/Kg	U	YES															
alpha-Chlordane	10.3		ug/Kg	U	YES															
alpha-Chlordane	10.3		ug/Kg	U	YES															
beta-BHC	10.3		ug/Kg	U	YES															
beta-BHC	10.3		ug/Kg	U	YES															
Chlordane	34.2		ug/Kg	U	YES															
Chlordane	34.2		ug/Kg	U	YES															
delta-BHC	10.3		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 123 of 182

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

5518

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S1
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915007

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

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

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 124 of 182

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

5519

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S1
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915007

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Lmt	Moist Tot/Dls	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 1																				
Toxaphene	34.2		ug/Kg	U	YES															
Analysis Method : 8151																				
Dilution: 1																				
2,4,5-T	0.0171		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0171		mg/kg	U	YES	UJ						UJ								
2,4'-D	0.0171		mg/kg	U	YES	UJ						UJ								
2,4-DB	0.0171		mg/kg	U	YES															
Dicamba	0.0171		mg/kg	U	YES															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.21		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.21		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.21		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.21		ug/Kg	U	YES															
1,1-Dichloroethane	4.21		ug/Kg	U	YES															
1,1-Dichloroethane	4.21		ug/Kg	U	YES															
1,1-Dichloropropane	4.21		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.21		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.21		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.21		ug/Kg	U	YES	UJ						UJ								
1,2,4-Trimethylbenzene	4.21		ug/Kg	U	YES	UJ						UJ								
1,2-Dibromo-3-chloropropane	25.3		ug/Kg	U	YES															
1,2-Dibromoethane	4.21		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.21		ug/Kg	U	YES															
1,2-Dichloroethane	4.21		ug/Kg	U	YES															
1,2-Dichloropropane	4.21		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.21		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.21		ug/Kg	U	YES															
1,3-Dichloropropane	4.21		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 125 of 182

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

5520

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S1
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915007

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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: f																				
1,4-Dichlorobenzene	4.21		ug/Kg	U	YES															
2,2-Dichloropropane	4.21		ug/Kg	U	YES															
2-Butanone	3.16		ug/Kg	J	YES	J					J									
2-Chlorotoluene	4.21		ug/Kg	U	YES															
2-Hexanone	10.5		ug/Kg	U	YES															
4-Chlorotoluene	4.21		ug/Kg	U	YES															
4-Isopropyltoluene	4.21		ug/Kg	U	YES															
4-Methyl-2-pentanone	10.5		ug/Kg	U	YES															
Acetone	14.4		ug/Kg	J	YES	J				J	J									
Benzene	4.21		ug/Kg	U	YES															
Bromobenzene	4.21		ug/Kg	U	YES															
Bromochloromethane	4.21		ug/Kg	U	YES															
Bromodichloromethane	4.21		ug/Kg	U	YES															
Bromoform	4.21		ug/Kg	U	YES															
Bromomethane	4.21		ug/Kg	U	YES															
Carbon disulfide	4.21		ug/Kg	U	YES															
Carbon tetrachloride	4.21		ug/Kg	U	YES															
Chlorobenzene	4.21		ug/Kg	U	YES															
Chloroethane	4.21		ug/Kg	U	YES															
Chloroform	4.21		ug/Kg	U	YES															
Chloromethane	4.21		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.21		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.21		ug/Kg	U	YES															
Dibromochloromethane	4.21		ug/Kg	U	YES															
Dibromomethane	4.21		ug/Kg	U	YES															
Dichlorodifluoromethane	4.21		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 126 of 182

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

5521

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S1
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915007

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	4.21		ug/Kg	U	YES															
Hexachlorobutadiene	4.21		ug/Kg	U	YES	UJ						UJ								
Isopropylbenzene (Cumene)	4.21		ug/Kg	U	YES															
m,p-Xylene	8.42		ug/Kg	U	YES															
Methyl iodide	1.12		ug/Kg	J	YES															
Methylene chloride	1.15		ug/Kg	J	YES	U			U											
Naphthalene	4.21		ug/Kg	U	YES	UJ							UJ							
n-Butylbenzene	4.21		ug/Kg	U	YES	UJ							UJ							
n-Propylbenzene	4.21		ug/Kg	U	YES															
o-Xylene	4.21		ug/Kg	U	YES															
sec-Butylbenzene	4.21		ug/Kg	U	YES															
Styrene	4.21		ug/Kg	U	YES	UJ							UJ							
tert-Butyl methyl ether (MTBE)	4.21		ug/Kg	U	YES															
tert-Butylbenzene	4.21		ug/Kg	U	YES															
Tetrachloroethene	4.21		ug/Kg	U	YES															
Toluene	4.21		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.21		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.21		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	21.1		ug/Kg	U	YES															
Trichloroethene	4.21		ug/Kg	U	YES															
Trichlorofluoromethane	4.21		ug/Kg	U	YES	UJ							UJ							
Vinyl chloride	4.21		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															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 127 of 182

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

5522

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S1

Lab Report Batch : 31101915

Lab ID : SGSW

Sample Date : 07/18/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101915007

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	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															
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															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 128 of 182

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

5523

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S1
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915007

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	340		ug/Kg	U	YES																
Benzo(k)fluoranthene	340		ug/Kg	U	YES																
Bis(2-Chloroethoxy)methane	340		ug/Kg	U	YES																
Bis(2-Chloroethyl)ether	340		ug/Kg	U	YES																
Bis(2-Chloroisopropyl)ether	340		ug/Kg	U	YES																
Bis(2-Ethylhexyl)phthalate	340		ug/Kg	U	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																
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										

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 129 of 182

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

5524

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S1
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915007

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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													
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

ADR 8.2

Report Date: 9/6/2011 10:38

Page 130 of 182

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

5525

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S2
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915008

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist To/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6010C																				
Dilution: 1																				
Arsenic	3.82		mg/kg		YES	J														
Barium	80.3		mg/kg		YES	J					J									
Cadmium	0.833		mg/kg		YES	U			U											
Chromium	4.21		mg/kg		YES															
Lead	7.77		mg/kg		YES	J					J	J								
Selenium	2.20		mg/kg	U	YES															
Silver	1.10		mg/kg	U	YES															
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.00153		mg/kg	J	YES															
Analysis Method : 8081																				
Dilution: 1																				
4,4'-DDD	10.0		ug/Kg	U	YES															
4,4'-DDE	10.0		ug/Kg	U	YES															
4,4'-DDT	10.0		ug/Kg	U	YES															
Aldrin	10.0		ug/Kg	U	YES															
alpha-BHC	10.0		ug/Kg	U	YES															
alpha-Chlordane	10.0		ug/Kg	U	YES															
beta-BHC	10.0		ug/Kg	U	YES															
Chlordane	33.3		ug/Kg	U	YES															
delta-BHC	10.0		ug/Kg	U	YES															
Dieldrin	10.0		ug/Kg	U	YES															
Endosulfan I	10.0		ug/Kg	U	YES															
Endosulfan II	10.0		ug/Kg	U	YES															
Endosulfan sulfate	10.0		ug/Kg	U	YES															
Endrin	10.0		ug/Kg	U	YES															
Endrin aldehyde	10.0		ug/Kg	U	YES															
Endrin ketone	10.0		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.0		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 131 of 182

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

5526

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S2
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915008

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	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																				
gamma-Chlordane	10.0		ug/Kg	U	YES															
Heptachlor	10.0		ug/Kg	U	YES															
Heptachlor epoxide	10.0		ug/Kg	U	YES															
Methoxychlor	10.0		ug/Kg	U	YES															
Toxaphene	33.3		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	UJ							UJ							
2,4'-D	0.0170		mg/kg	U	YES	UJ							UJ							
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	4.08		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.08		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.08		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.08		ug/Kg	U	YES															
1,1-Dichloroethane	4.08		ug/Kg	U	YES															
1,1-Dichloroethene	4.08		ug/Kg	U	YES															
1,1-Dichloropropene	4.08		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.08		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.08		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.08		ug/Kg	U	YES	UJ								UJ						
1,2,4-Trimethylbenzene	4.08		ug/Kg	U	YES	UJ								UJ						
1,2-Dibromo-3-chloropropane	24.5		ug/Kg	U	YES															
1,2-Dibromoethane	4.08		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.08		ug/Kg	U	YES															
1,2-Dichloroethane	4.08		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 132 of 182

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

5527

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S2

Lab Report Batch : 31101915

Lab ID : SGSW

Sample Date : 07/18/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101915008

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																				
1,2-Dichloropropane	4.08		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.08		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.08		ug/Kg	U	YES															
1,3-Dichloropropane	4.08		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.08		ug/Kg	U	YES															
2,2-Dichloropropane	4.08		ug/Kg	U	YES															
2-Butanone	14.9		ug/Kg	J	YES	J					J									
2-Chlorotoluene	4.08		ug/Kg	U	YES															
2-Hexanone	10.2		ug/Kg	U	YES															
4-Chlorotoluene	4.08		ug/Kg	U	YES															
4-Isopropyltoluene	4.08		ug/Kg	U	YES															
4-Methyl-2-pentanone	10.2		ug/Kg	U	YES															
Acetone	78.2		ug/Kg		YES	J				J	J									
Benzene	4.08		ug/Kg	U	YES															
Bromobenzene	4.08		ug/Kg	U	YES															
Bromochloromethane	4.08		ug/Kg	U	YES															
Bromodichloromethane	4.08		ug/Kg	U	YES															
Bromoform	4.08		ug/Kg	U	YES															
Bromomethane	4.08		ug/Kg	U	YES															
Carbon disulfide	4.08		ug/Kg	U	YES															
Carbon tetrachloride	4.08		ug/Kg	U	YES															
Chlorobenzene	4.08		ug/Kg	U	YES															
Chloroethane	4.08		ug/Kg	U	YES															
Chloroform	4.08		ug/Kg	U	YES															
Chloromethane	4.08		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.08		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 133 of 182

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

5528

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S2
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915008

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
cis-1,3-Dichloropropene	4.08		ug/Kg	U	YES															
Dibromochloromethane	4.08		ug/Kg	U	YES															
Dibromomethane	4.08		ug/Kg	U	YES															
Dichlorodifluoromethane	4.08		ug/Kg	U	YES															
Ethyl Benzene	4.08		ug/Kg	U	YES															
Hexachlorobutadiene	4.08		ug/Kg	U	YES	UJ					UJ									
Isopropylbenzene (Cumene)	4.08		ug/Kg	U	YES															
m,p-Xylene	8.15		ug/Kg	U	YES															
Methyl iodide	3.55		ug/Kg	J	YES															
Methylene chloride	1.90		ug/Kg	J	YES	U			U											
Naphthalene	4.08		ug/Kg	U	YES	UJ					UJ									
n-Butylbenzene	4.08		ug/Kg	U	YES	UJ					UJ									
n-Propylbenzene	4.08		ug/Kg	U	YES															
o-Xylene	4.08		ug/Kg	U	YES															
sec-Butylbenzene	4.08		ug/Kg	U	YES															
Styrene	4.08		ug/Kg	U	YES	UJ					UJ									
tert-Butyl methyl ether (MTBE)	4.08		ug/Kg	U	YES															
tert-Butylbenzene	4.08		ug/Kg	U	YES															
Tetrachloroethene	1.86		ug/Kg	J	YES															
Toluene	0.791		ug/Kg	J	YES															
trans-1,2-Dichloroethene	4.08		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.08		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	20.4		ug/Kg	U	YES															
Trichloroethene	4.08		ug/Kg	U	YES															
Trichlorofluoromethane	4.08		ug/Kg	U	YES	UJ					UJ									
Vinyl chloride	4.08		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 134 of 182

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

5529

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S2
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915008

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	341		ug/Kg	U	YES															
1,2-Dichlorobenzene	341		ug/Kg	U	YES															
1,3-Dichlorobenzene	341		ug/Kg	U	YES															
1,4-Dichlorobenzene	341		ug/Kg	U	YES															
2,4,5-Trichlorophenol	341		ug/Kg	U	YES															
2,4,6-Trichlorophenol	341		ug/Kg	U	YES															
2,4-Dichlorophenol	341		ug/Kg	U	YES															
2,4-Dimethylphenol	341		ug/Kg	U	YES															
2,4-Dinitrotoluene	341		ug/Kg	U	YES															
2,6-Dinitrotoluene	341		ug/Kg	U	YES															
2-Chloronaphthalene	341		ug/Kg	U	YES															
2-Chlorophenol	341		ug/Kg	U	YES															
2-Methylnaphthalene	341		ug/Kg	U	YES															
2-Methylphenol	341		ug/Kg	U	YES															
2-Nitroaniline	341		ug/Kg	U	YES															
2-Nitrophenol	341		ug/Kg	U	YES															
3 and/or 4-Methylphenol	341		ug/Kg	U	YES															
3-Nitroaniline	341		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	341		ug/Kg	U	YES															
4-Chloro-3-methylphenol	341		ug/Kg	U	YES															
4-Chloroaniline	341		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	341		ug/Kg	U	YES															
4-Nitroaniline	341		ug/Kg	U	YES															
4-Nitrophenol	341		ug/Kg	U	YES															
Acenaphthene	341		ug/Kg	U	YES															
Acenaphthylene	341		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 135 of 182

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

5530

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S2
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915008

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	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																				
Anthracene	341		ug/Kg	U	YES															
Benzo(a)anthracene	341		ug/Kg	U	YES															
Benzo(a)pyrene	341		ug/Kg	U	YES															
Benzo(b)fluoranthene	341		ug/Kg	U	YES															
Benzo(g,h)perylene	341		ug/Kg	U	YES															
Benzo(k)fluoranthene	341		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	341		ug/Kg	U	YES															
Bis(2-Chloroethoxy)ether	341		ug/Kg	U	YES															
Bis(2-Chloroisopropoxy)ether	341		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	341		ug/Kg	U	YES															
Butyl benzyl phthalate	341		ug/Kg	U	YES															
Chrysene	341		ug/Kg	U	YES															
Dibenz(a,h)anthracene	341		ug/Kg	U	YES															
Dibenzofuran	341		ug/Kg	U	YES															
Diethyl phthalate	341		ug/Kg	U	YES															
Dimethyl phthalate	341		ug/Kg	U	YES															
Di-n-butyl phthalate	341		ug/Kg	U	YES															
Di-n-octyl phthalate	341		ug/Kg	U	YES															
Fluoranthene	341		ug/Kg	U	YES															
Fluorene	341		ug/Kg	U	YES															
Hexachlorobenzene	341		ug/Kg	U	YES															
Hexachlorobutadiene	341		ug/Kg	U	YES															
Hexachlorocyclopentadiene	341		ug/Kg	U	YES															
Hexachloroethane	341		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	341		ug/Kg	U	YES															
Isophorone	341		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 136 of 182

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

5531

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S2
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915008

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	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																				
Naphthalene	341		ug/Kg	U	YES															
Nitrobenzene	341		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	341		ug/Kg	U	YES															
Pentachlorophenol	341		ug/Kg	U	YES	UJ					UJ									
Phenanthrene	341		ug/Kg	U	YES															
Phenol	341		ug/Kg	U	YES															
Pyrene	341		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 137 of 182

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

5532

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S3

Lab Report Batch : 31101915

Lab ID : SGSW

Sample Date : 07/18/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101915009

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	1.67		mg/kg		YES															
Barium	62.8		mg/kg		YES	J					J									
Cadmium	0.661		mg/kg		YES	U				U										
Chromium	3.05		mg/kg		YES	U				U										
Lead	4.78		mg/kg		YES	J						J	J							
Selenium	2.18		mg/kg	U	YES															
Silver	1.09		mg/kg	U	YES															
Analysis Method : 7471B				Dilution: 1																
Mercury	0.0222		mg/kg	U	YES															
Analysis Method : 8081				Dilution: 1																
4,4'-DDD	10.3		ug/Kg	U	YES															
4,4'-DDE	10.3		ug/Kg	U	YES															
4,4'-DDT	10.3		ug/Kg	U	YES															
Aldrin	10.3		ug/Kg	U	YES															
alpha-BHC	10.3		ug/Kg	U	YES															
alpha-Chlordane	10.3		ug/Kg	U	YES															
beta-BHC	10.3		ug/Kg	U	YES															
Chlordane	34.2		ug/Kg	U	YES															
delta-BHC	10.3		ug/Kg	U	YES															
Dieldrin	10.3		ug/Kg	U	YES															
Endosulfan I	10.3		ug/Kg	U	YES															
Endosulfan II	10.3		ug/Kg	U	YES															
Endosulfan sulfate	10.3		ug/Kg	U	YES															
Endrin	10.3		ug/Kg	U	YES															
Endrin aldehyde	10.3		ug/Kg	U	YES															
Endrin ketone	10.3		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.3		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 138 of 182

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

5533

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S3

Lab Report Batch : 31101915

Lab ID : SGSW

Sample Date : 07/18/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101915009

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																				
gamma-Chlordane	10.3		ug/Kg	U	YES															
Heptachlor	10.3		ug/Kg	U	YES															
Heptachlor epoxide	10.3		ug/Kg	U	YES															
Methoxychlor	10.3		ug/Kg	U	YES															
Toxaphene	34.2		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	UJ						UJ								
2,4'-D	0.0169		mg/kg	U	YES	UJ						UJ								
2,4-DB	0.0169		mg/kg	U	YES															
Dicamba	0.0169		mg/kg	U	YES															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.63		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.63		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.63		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.63		ug/Kg	U	YES															
1,1-Dichloroethane	4.63		ug/Kg	U	YES															
1,1-Dichloroethene	4.63		ug/Kg	U	YES															
1,1-Dichloropropene	4.63		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.63		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.63		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.63		ug/Kg	U	YES	UJ						UJ								
1,2,4-Trimethylbenzene	4.63		ug/Kg	U	YES	UJ						UJ								
1,2-Dibromo-3-chloropropane	27.8		ug/Kg	U	YES															
1,2-Dibromoethane	4.63		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.63		ug/Kg	U	YES															
1,2-Dichloroethane	4.63		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 139 of 182

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

5534

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S3
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915009

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2-Dichloropropane	4.63		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.63		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.63		ug/Kg	U	YES															
1,3-Dichloropropane	4.63		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.63		ug/Kg	U	YES															
2,2-Dichloropropane	4.63		ug/Kg	U	YES															
2-Butanone	23.2		ug/Kg	U	YES															
2-Chlorotoluene	4.63		ug/Kg	U	YES															
2-Hexanone	11.6		ug/Kg	U	YES															
4-Chlorotoluene	4.63		ug/Kg	U	YES															
4-Isopropyltoluene	4.63		ug/Kg	U	YES															
4-Methyl-2-pentanone	11.6		ug/Kg	U	YES															
Acetone	23.4		ug/Kg	J	YES	J				J	J									
Benzene	4.63		ug/Kg	U	YES															
Bromobenzene	4.63		ug/Kg	U	YES															
Bromochloromethane	4.63		ug/Kg	U	YES															
Bromodichloromethane	4.63		ug/Kg	U	YES															
Bromoform	4.63		ug/Kg	U	YES															
Bromomethane	4.63		ug/Kg	U	YES															
Carbon disulfide	4.63		ug/Kg	U	YES															
Carbon tetrachloride	4.63		ug/Kg	U	YES															
Chlorobenzene	4.63		ug/Kg	U	YES															
Chloroethane	4.63		ug/Kg	U	YES															
Chloroform	4.63		ug/Kg	U	YES															
Chloromethane	4.63		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.63		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 140 of 182

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

5535

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S3
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915009

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
cis-1,3-Dichloropropene	4.63		ug/Kg	U	YES															
Dibromochloromethane	4.63		ug/Kg	U	YES															
Dibromomethane	4.63		ug/Kg	U	YES															
Dichlorodifluoromethane	4.63		ug/Kg	U	YES															
Ethyl Benzene	4.63		ug/Kg	U	Y-F-S															
Hexachlorobutadiene	4.63		ug/Kg	U	YES	UJ														
Isopropylbenzene (Cumene)	4.63		ug/Kg	U	YES															
m,p-Xylene	9.26		ug/Kg	U	YES															
Methyl iodide	0.806		ug/Kg	J	YES															
Methylene chloride	1.41		ug/Kg	J	YES	U			U											
Naphthalene	4.63		ug/Kg	U	YES	UJ														
n-Butylbenzene	4.63		ug/Kg	U	YES	UJ														
n-Propylbenzene	4.63		ug/Kg	U	YES															
o-Xylene	4.63		ug/Kg	U	YES															
sec-Butylbenzene	4.63		ug/Kg	U	YES															
Styrene	4.63		ug/Kg	U	YES	UJ														
tert-Butyl methyl ether (MTBE)	4.63		ug/Kg	U	YES															
tert-Butylbenzene	4.63		ug/Kg	U	YES															
Tetrachloroethene	4.63		ug/Kg	U	YES															
Toluene	4.63		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.63		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.63		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	23.2		ug/Kg	U	YES															
Trichloroethene	4.63		ug/Kg	U	YES															
Trichlorofluoromethane	4.63		ug/Kg	U	YES	UJ														
Vinyl chloride	4.63		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 141 of 182

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

5536

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S3
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915009

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	344		ug/Kg	U	YES															
1,2-Dichlorobenzene	344		ug/Kg	U	YES															
1,3-Dichlorobenzene	344		ug/Kg	U	YES															
1,4-Dichlorobenzene	344		ug/Kg	U	YES															
2,4,5-Trichlorophenol	344		ug/Kg	U	YES															
2,4,6-Trichlorophenol	344		ug/Kg	U	YES															
2,4-Dichlorophenol	344		ug/Kg	U	YES															
2,4-Dimethylphenol	344		ug/Kg	U	YES															
2,4-Dinitrotoluene	344		ug/Kg	U	YES															
2,6-Dinitrotoluene	344		ug/Kg	U	YES															
2-Chloronaphthalene	344		ug/Kg	U	YES															
2-Chlorophenol	344		ug/Kg	U	YES															
2-Methylnaphthalene	344		ug/Kg	U	YES															
2-Methylphenol	344		ug/Kg	U	YES															
2-Nitroaniline	344		ug/Kg	U	YES															
2-Nitrophenol	344		ug/Kg	U	YES															
3 and/or 4-Methylphenol	344		ug/Kg	U	YES															
3-Nitroaniline	344		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	344		ug/Kg	U	YES															
4-Chloro-3-methylphenol	344		ug/Kg	U	YES															
4-Chloroaniline	344		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	344		ug/Kg	U	YES															
4-Nitroaniline	344		ug/Kg	U	YES															
4-Nitrophenol	344		ug/Kg	U	YES															
Acenaphthene	344		ug/Kg	U	YES															
Acenaphthylene	344		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 142 of 182

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

5537

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S3
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915009

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

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																				
Anthracene	344		ug/Kg	U	YES															
Benzo(a)anthracene	344		ug/Kg	U	YES															
Benzo(a)pyrene	344		ug/Kg	U	YES															
Benzo(b)fluoranthene	344		ug/Kg	U	YES															
Benzo(g,h)perylene	344		ug/Kg	U	YES															
Benzo(k)fluoranthene	344		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	344		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	344		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	344		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	344		ug/Kg	U	YES															
Butyl benzy phthalate	344		ug/Kg	U	YES															
Chrysene	344		ug/Kg	U	YES															
Dibenz(a,h)anthracene	344		ug/Kg	U	YES															
Dibenzofuran	344		ug/Kg	U	YES															
Diethyl phthalate	344		ug/Kg	U	YES															
Dimethyl phthalate	344		ug/Kg	U	YES															
Di-n-butyl phthalate	344		ug/Kg	U	YES															
Di-n-octyl phthalate	344		ug/Kg	U	YES															
Fluoranthene	344		ug/Kg	U	YES															
Fluorene	344		ug/Kg	U	YES															
Hexachlorobenzene	344		ug/Kg	U	YES															
Hexachlorobutadiene	344		ug/Kg	U	YES															
Hexachlorocyclopentadiene	344		ug/Kg	U	YES															
Hexachloroethane	344		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	344		ug/Kg	U	YES															
Isophorone	344		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 143 of 182

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

5538

Sample Qualification Report (All Analytes)

Client Sample ID : E11-152-S3
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915009

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

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																		
Naphthalene	344		ug/Kg	U	YES															
Nitrobenzene	344		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	344		ug/Kg	U	YES															
Pentachlorophenol	344		ug/Kg	U	YES	UJ					UJ									
Phenanthrene	344		ug/Kg	U	YES															
Phenol	344		ug/Kg	U	YES															
Pyrene	344		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 144 of 182

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

5539

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S1
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915010

Lab Report Batch : 31101915
 Analysis Type: DL

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

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: 5																				
4,4'-DDD	14.1		ug/Kg	J	YES															
4,4'-DDD	14.1		ug/Kg	J	YES															
4,4'-DDE	23.6		ug/Kg	J	YES															
4,4'-DDE	23.6		ug/Kg	J	YES															
4,4'-DDT	62.7		ug/Kg	P	YES															
4,4'-DDT	62.7		ug/Kg	P	YES															
Aldrin	51.8		ug/Kg	U	YES															
Aldrin	51.8		ug/Kg	U	YES															
alpha-BHC	51.8		ug/Kg	U	YES															
alpha-BHC	51.8		ug/Kg	U	YES															
alpha-Chlordane	51.8		ug/Kg	U	YES															
alpha-Chlordane	51.8		ug/Kg	U	YES															
beta-BHC	51.8		ug/Kg	U	YES															
beta-BHC	51.8		ug/Kg	U	YES															
Chlordane	172		ug/Kg	U	YES															
Chlordane	172		ug/Kg	U	YES															
delta-BHC	51.8		ug/Kg	U	YES															
delta-BHC	51.8		ug/Kg	U	YES															
Dieldrin	51.8		ug/Kg	U	YES															
Dieldrin	51.8		ug/Kg	U	YES															
Endosulfan I	51.8		ug/Kg	U	YES															
Endosulfan I	51.8		ug/Kg	U	YES															
Endosulfan II	51.8		ug/Kg	U	YES															
Endosulfan II	51.8		ug/Kg	U	YES															
Endosulfan sulfate	51.8		ug/Kg	U	YES															
Endosulfan sulfate	51.8		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 145 of 182

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

5540

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S1
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915010

Lab Report Batch : 31101915
 Analysis Type: DL

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

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: 5																				
Endrin	51.8		ug/Kg	U	YES															
Endrin	51.8		ug/Kg	U	YES															
Endrin aldehyde	51.8		ug/Kg	U	YES															
Endrin aldehyde	51.8		ug/Kg	U	YES															
Endrin ketone	51.8		ug/Kg	U	YES															
Endrin ketone	51.8		ug/Kg	U	YES															
gamma-BHC (Lindane)	7.68		ug/Kg	J	YES															
gamma-BHC (Lindane)	7.68		ug/Kg	J	YES															
gamma-Chlordane	51.8		ug/Kg	U	YES															
gamma-Chlordane	51.8		ug/Kg	U	YES															
Heptachlor	51.8		ug/Kg	U	YES															
Heptachlor	51.8		ug/Kg	U	YES															
Heptachlor epoxide	51.8		ug/Kg	U	YES															
Heptachlor epoxide	51.8		ug/Kg	U	YES															
Methoxychlor	51.8		ug/Kg	U	YES															
Methoxychlor	51.8		ug/Kg	U	YES															
Toxaphene	172		ug/Kg	U	YES															
Toxaphene	172		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 146 of 182

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

5541

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S1
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915010

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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	9.04		mg/kg		YES															
Barium	108		mg/kg		YES	J						J								
Cadmium	1.17		mg/kg		YES															
Chromium	4.60		mg/kg		YES															
Lead	17.6		mg/kg		YES	J						J	J							
Selenium	2.01		mg/kg	U	YES															
Silver	1.01		mg/kg	U	YES															
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.00402		mg/kg	J	YES															
Analysis Method : 8151																				
Dilution: 1																				
2,4,5-T	0.0176		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0176		mg/kg	U	YES	UJ							UJ							
2,4-D	0.0176		mg/kg	U	YES	UJ							UJ							
2,4-DB	0.0176		mg/kg	U	YES															
Dicamba	0.0176		mg/kg	U	YES															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.18		ug/kg	U	YES															
1,1,1-Trichloroethane	4.18		ug/kg	U	YES															
1,1,2,2-Tetrachloroethane	4.18		ug/kg	U	YES															
1,1,2-Trichloroethane	4.18		ug/kg	U	YES															
1,1-Dichloroethane	4.18		ug/kg	U	YES															
1,1-Dichloroethene	4.18		ug/kg	U	YES															
1,1-Dichloropropene	4.18		ug/kg	U	YES															
1,2,3-Trichlorobenzene	4.18		ug/kg	U	YES															
1,2,3-Trichloropropene	4.18		ug/kg	U	YES															
1,2,4-Trichlorobenzene	4.18		ug/kg	U	YES	UJ							UJ							
1,2,4-Trimethylbenzene	4.18		ug/kg	U	YES	UJ							UJ							

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 147 of 182

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

5542

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S1
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915010

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab 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-Dibromo-3-chloropropane	25.1		ug/Kg	U	YES															
1,2-Dibromoethane	4.18		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.18		ug/Kg	U	YES															
1,2-Dichloroethane	4.18		ug/Kg	U	YES															
1,2-Dichloropropane	4.18		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.18		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.18		ug/Kg	U	YES															
1,3-Dichloropropane	4.18		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.18		ug/Kg	U	YES															
2,2-Dichloropropane	4.18		ug/Kg	U	YES															
2-Butanone	6.13		ug/Kg	J	YES	J					J		J							
2-Chlorotoluene	4.18		ug/Kg	U	YES															
2-Hexanone	10.5		ug/Kg	U	YES															
4-Chlorotoluene	4.18		ug/Kg	U	YES															
4-Isopropyltoluene	4.18		ug/Kg	U	YES															
4-Methyl-2-pentanone	10.5		ug/Kg	U	YES															
Acetone	23.1		ug/Kg	J	YES	J				J	J		J							
Benzene	4.18		ug/Kg	U	YES															
Bromobenzene	4.18		ug/Kg	U	YES															
Bromochloromethane	4.18		ug/Kg	U	YES															
Bromodichloromethane	4.18		ug/Kg	U	YES															
Bromoform	4.18		ug/Kg	U	YES															
Bromomethane	4.18		ug/Kg	U	YES															
Carbon disulfide	4.18		ug/Kg	U	YES															
Carbon tetrachloride	4.18		ug/Kg	U	YES															
Chlorobenzene	4.18		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 148 of 182

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

5543

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S1
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915010

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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													
Chloroethane	4.18		ug/Kg	U	YES															
Chloroform	4.18		ug/Kg	U	YES															
Chloromethane	4.18		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.18		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.18		ug/Kg	U	YES															
Dibromochloromethane	4.18		ug/Kg	U	YES															
Dibromomethane	4.18		ug/Kg	U	YES															
Dichlorodifluoromethane	4.18		ug/Kg	U	YES															
Ethyl Benzene	4.18		ug/Kg	U	YES															
Hexachlorobutadiene	4.18		ug/Kg	U	YES	UJ						UJ								
Isopropylbenzene (Cumene)	4.18		ug/Kg	U	YES															
m,p-Xylene	8.36		ug/Kg	U	YES															
Methyl Iodide	1.41		ug/Kg	J	YES	J							J							
Methylene chloride	1.65		ug/Kg	J	YES	UJ			U				J							
Naphthalene	4.18		ug/Kg	U	YES	UJ						UJ								
n-Butylbenzene	4.18		ug/Kg	U	YES	UJ						UJ								
n-Propylbenzene	4.18		ug/Kg	U	YES															
o-Xylene	4.18		ug/Kg	U	YES															
sec-Butylbenzene	4.18		ug/Kg	U	YES															
Styrene	4.18		ug/Kg	U	YES	UJ						UJ								
tert-Butyl methyl ether (MTBE)	4.18		ug/Kg	U	YES															
tert-Butylbenzene	4.18		ug/Kg	U	YES															
Tetrachloroethene	4.18		ug/Kg	U	YES															
Toluene	4.18		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.18		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.18		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 149 of 182

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

5544

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S1
 Sample Date : 07/18/2011
 Lab Sample ID : 31101915010

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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																				
trans-1,4-Dichloro-2-butene	20.9		ug/Kg	U	YES															
Trichloroethene	4.18		ug/Kg	U	YES															
Trichlorofluoromethane	4.18		ug/Kg	U	YES	UJ					UJ									
Vinyl chloride	4.18		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	355		ug/Kg	U	YES															
1,2-Dichlorobenzene	355		ug/Kg	U	YES															
1,3-Dichlorobenzene	355		ug/Kg	U	YES															
1,4-Dichlorobenzene	355		ug/Kg	U	YES															
2,4,5-Trichlorophenol	355		ug/Kg	U	YES															
2,4,6-Trichlorophenol	355		ug/Kg	U	YES															
2,4-Dichlorophenol	355		ug/Kg	U	YES															
2,4-Dimethylphenol	355		ug/Kg	U	YES															
2,4-Dinitrotoluene	355		ug/Kg	U	YES															
2,6-Dinitrotoluene	355		ug/Kg	U	YES															
2-Chloronaphthalene	355		ug/Kg	U	YES															
2-Chlorophenol	355		ug/Kg	U	YES															
2-Methylnaphthalene	355		ug/Kg	U	YES															
2-Methylphenol	355		ug/Kg	U	YES															
2-Nitroaniline	355		ug/Kg	U	YES															
2-Nitrophenol	355		ug/Kg	U	YES															
3 and/or 4-Methylphenol	355		ug/Kg	U	YES															
3-Nitroaniline	355		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	355		ug/Kg	U	YES															
4-Chloro-3-methylphenol	355		ug/Kg	U	YES															
4-Chloroaniline	355		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	355		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 150 of 182

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

5545

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S1
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915010

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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-Nitroaniline	355		ug/Kg	U	YES															
4-Nitrophenol	355		ug/Kg	U	YES															
Acenaphthene	355		ug/Kg	U	YES															
Acenaphthylene	355		ug/Kg	U	YES															
Anthracene	355		ug/Kg	U	YES															
Benzo(a)anthracene	355		ug/Kg	U	YES															
Benzo(a)pyrene	355		ug/Kg	U	YES															
Benzo(b)fluoranthene	355		ug/Kg	U	YES															
Benzo(g,h,i)perylene	355		ug/Kg	U	YES															
Benzo(k)fluoranthene	355		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	355		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	355		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	355		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	355		ug/Kg	U	YES															
Butyl benzyl phthalate	355		ug/Kg	U	YES															
Chrysene	355		ug/Kg	U	YES															
Dibenz(a,h)anthracene	355		ug/Kg	U	YES															
Dibenzofuran	355		ug/Kg	U	YES															
Diethyl phthalate	355		ug/Kg	U	YES															
Dimethyl phthalate	355		ug/Kg	U	YES															
Di-n-butyl phthalate	355		ug/Kg	U	YES															
Di-n-octyl phthalate	355		ug/Kg	U	YES															
Fluoranthene	355		ug/Kg	U	YES															
Fluorene	355		ug/Kg	U	YES															
Hexachlorobenzene	355		ug/Kg	U	YES															
Hexachlorobutadiene	355		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 151 of 182

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

5546

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S1
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915010

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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																				
Hexachlorocyclopentadiene	355		ug/Kg	U	YES															
Hexachloroethane	355		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	355		ug/Kg	U	YES															
Isophorone	355		ug/Kg	U	YES															
Naphthalene	355		ug/Kg	U	YES															
Nitrobenzene	355		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	355		ug/Kg	U	YES															
Pentachlorophenol	355		ug/Kg	U	YES	UJ				UJ										
Phenanthrene	355		ug/Kg	U	YES															
Phenol	355		ug/Kg	U	YES															
Pyrene	355		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 152 of 182

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

5547

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S2

Lab Report Batch : 31101915

Lab ID : SGSW

Sample Date : 07/18/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101915011

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 : 6010C																				
Dilution: 1																				
Arsenic	4.51		mg/kg		YES															
Barium	123		mg/kg		YES	J					J									
Cadmium	0.935		mg/kg		YES	U			U											
Chromium	3.18		mg/kg		YES	U			U											
Lead	9.33		mg/kg		YES	J					J	J								
Selenium	2.18		mg/kg	U	YES															
Silver	1.09		mg/kg	U	YES															
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.00301		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	0.584		ug/Kg	J P	YES															
4,4'-DDE	0.584		ug/Kg	J P	YES															
4,4'-DDT	2.11		ug/Kg	J	YES	U			U											
4,4'-DDT	2.11		ug/Kg	J	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	34.0		ug/Kg	U	YES															
Chlordane	34.0		ug/Kg	U	YES															
delta-BHC	10.2		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 153 of 182

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

5548

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S2
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915011

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8061																				
Dilution: 1																				
delta-BHC	10.2		ug/Kg	U	YES															
Dieldrin	10.2		ug/Kg	U	YES															
Dieldrin	10.2		ug/Kg	U	YES															
Endosulfan I	10.2		ug/Kg	U	YES															
Endosulfan I	10.2		ug/Kg	U	YES															
Endosulfan II	10.2		ug/Kg	U	YES															
Endosulfan II	10.2		ug/Kg	U	YES															
Endosulfan sulfate	10.2		ug/Kg	U	YES															
Endosulfan sulfate	10.2		ug/Kg	U	YES															
Endrin	10.2		ug/Kg	U	YES															
Endrin	10.2		ug/Kg	U	YES															
Endrin aldehyde	10.2		ug/Kg	U	YES															
Endrin aldehyde	10.2		ug/Kg	U	YES															
Endrin ketone	10.2		ug/Kg	U	YES															
Endrin ketone	10.2		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.2		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.2		ug/Kg	U	YES															
gamma-Chlordane	10.2		ug/Kg	U	YES															
gamma-Chlordane	10.2		ug/Kg	U	YES															
Heptachlor	10.2		ug/Kg	U	YES															
Heptachlor	10.2		ug/Kg	U	YES															
Heptachlor epoxide	10.2		ug/Kg	U	YES															
Heptachlor epoxide	10.2		ug/Kg	U	YES															
Methoxychlor	10.2		ug/Kg	U	YES															
Methoxychlor	10.2		ug/Kg	U	YES															
Toxaphene	34.0		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 154 of 182

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

5549

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S2
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915011

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/DIs	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 1																				
Toxaphene	34.0		ug/Kg	U	YES															
Analysis Method : 8151																				
Dilution: 1																				
2,4,5-T	0.0173		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0173		mg/kg	U	YES	UJ						UJ								
2,4'-D	0.0173		mg/kg	U	YES	UJ						UJ								
2,4-DB	0.0173		mg/kg	U	YES															
Dicamba	0.0173		mg/kg	U	YES															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.31		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.31		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.31		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.31		ug/Kg	U	YES															
1,1-Dichloroethane	4.31		ug/Kg	U	YES															
1,1-Dichloroethene	4.31		ug/Kg	U	YES															
1,1-Dichloropropene	4.31		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.31		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.31		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.31		ug/Kg	U	YES	UJ						UJ								
1,2,4-Trimethylbenzene	4.31		ug/Kg	U	YES	UJ						UJ								
1,2-Dibromo-3-chloropropane	25.9		ug/Kg	U	YES															
1,2-Dibromoethane	4.31		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.31		ug/Kg	U	YES															
1,2-Dichloroethane	4.31		ug/Kg	U	YES															
1,2-Dichloropropane	4.31		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.31		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.31		ug/Kg	U	YES															
1,3-Dichloropropane	4.31		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 155 of 182

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

5550

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S2
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915011

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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	4.31		ug/Kg	U	YES															
2,2-Dichloropropane	4.31		ug/Kg	U	YES															
2-Butanone	1.45		ug/Kg	J	YES	J					J		J							
2-Chlorotoluene	4.31		ug/Kg	U	YES															
2-Hexanone	10.8		ug/Kg	U	YES															
4-Chlorotoluene	4.31		ug/Kg	U	YES															
4-Isopropyltoluene	4.31		ug/Kg	U	YES															
4-Methyl-2-pentanone	10.8		ug/Kg	U	YES															
Acetone	8.45		ug/Kg	J	YES	J					J		J							
Benzene	4.31		ug/Kg	U	YES															
Bromobenzene	4.31		ug/Kg	U	YES															
Bromochloromethane	4.31		ug/Kg	U	YES															
Bromodichloromethane	4.31		ug/Kg	U	YES															
Bromoform	4.31		ug/Kg	U	YES															
Bromomethane	4.31		ug/Kg	U	YES															
Carbon disulfide	4.31		ug/Kg	U	YES															
Carbon tetrachloride	4.31		ug/Kg	U	YES															
Chlorobenzene	4.31		ug/Kg	U	YES															
Chloroethane	4.31		ug/Kg	U	YES															
Chloroform	4.31		ug/Kg	U	YES															
Chloromethane	4.31		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.31		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.31		ug/Kg	U	YES															
Dibromochloromethane	4.31		ug/Kg	U	YES															
Dibromomethane	4.31		ug/Kg	U	YES															
Dichlorodifluoromethane	4.31		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 156 of 182

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

5551

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S2
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915011

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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	4.31		ug/Kg	U	YES															
Hexachlorobutadiene	4.31		ug/Kg	U	YES	UJ					UJ									
Isopropylbenzene (Cumene)	4.31		ug/Kg	U	YES															
m,p-Xylene	8.62		ug/Kg	U	YES															
Methyl iodide	4.31		ug/Kg	U	YES															
Methylene chloride	2.03		ug/Kg	J	YES	UJ			U				J							
Naphthalene	4.31		ug/Kg	U	YES	UJ						UJ								
n-Butylbenzene	4.31		ug/Kg	U	YES	UJ						UJ								
n-Propylbenzene	4.31		ug/Kg	U	YES															
o-Xylene	4.31		ug/Kg	U	YES															
sec-Butylbenzene	4.31		ug/Kg	U	YES															
Styrene	4.31		ug/Kg	U	YES	UJ						UJ								
tert-Butyl methyl ether (MTBE)	4.31		ug/Kg	U	YES															
tert-Butylbenzene	4.31		ug/Kg	U	YES															
Tetrachloroethene	4.31		ug/Kg	U	YES															
Toluene	4.31		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.31		ug/Kg	U	YES															
trans-1,3-Dichloropropane	4.31		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	21.6		ug/Kg	U	YES															
Trichloroethene	4.31		ug/Kg	U	YES															
Trichlorofluoromethane	4.31		ug/Kg	U	YES	UJ						UJ								
Vinyl chloride	4.31		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	336		ug/Kg	U	YES															
1,2-Dichlorobenzene	336		ug/Kg	U	YES															
1,3-Dichlorobenzene	336		ug/Kg	U	YES															
1,4-Dichlorobenzene	336		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 157 of 182

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

5552

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S2
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915011

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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	336		ug/Kg	U	YES															
2,4,6-Trichlorophenol	336		ug/Kg	U	YES															
2,4-Dichlorophenol	336		ug/Kg	U	YES															
2,4-Dimethylphenol	336		ug/Kg	U	YES															
2,4-Dinitrotoluene	336		ug/Kg	U	YES															
2,6-Dinitrotoluene	336		ug/Kg	U	YES															
2-Chloronaphthalene	336		ug/Kg	U	YES															
2-Chlorophenol	336		ug/Kg	U	YES															
2-Methylnaphthalene	336		ug/Kg	U	YES															
2-Methylphenol	336		ug/Kg	U	YES															
2-Nitroaniline	336		ug/Kg	U	YES															
2-Nitrophenol	336		ug/Kg	U	YES															
3 and/or 4-Methylphenol	336		ug/Kg	U	YES															
3-Nitroaniline	336		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	336		ug/Kg	U	YES															
4-Chloro-3-methylphenol	336		ug/Kg	U	YES															
4-Chloroaniline	336		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	336		ug/Kg	U	YES															
4-Nitroaniline	336		ug/Kg	U	YES															
4-Nitrophenol	336		ug/Kg	U	YES															
Acenaphthene	336		ug/Kg	U	YES															
Acenaphthylene	336		ug/Kg	U	YES															
Anthracene	336		ug/Kg	U	YES															
Benzo(a)anthracene	336		ug/Kg	U	YES															
Benzo(a)pyrene	336		ug/Kg	U	YES															
Benzo(b)fluoranthene	336		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 158 of 182

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

5553

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S2
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915011

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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	336		ug/Kg	U	YES															
Benzo(k)fluoranthene	336		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	336		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	336		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	336		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	336		ug/Kg	U	YES															
Butyl benzyl phthalate	336		ug/Kg	U	YES															
Chrysene	336		ug/Kg	U	YES															
Dibenz(a,h)anthracene	336		ug/Kg	U	YES															
Dibenzofuran	336		ug/Kg	U	YES															
Diethyl phthalate	336		ug/Kg	U	YES															
Dimethyl phthalate	336		ug/Kg	U	YES															
Di-n-butyl phthalate	336		ug/Kg	U	YES															
Di-n-octyl phthalate	336		ug/Kg	U	YES															
Fluoranthene	336		ug/Kg	U	YES															
Fluorene	336		ug/Kg	U	YES															
Hexachlorobenzene	336		ug/Kg	U	YES															
Hexachlorobutadiene	336		ug/Kg	U	YES															
Hexachlorocyclopentadiene	336		ug/Kg	U	YES															
Hexachloroethane	336		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	336		ug/Kg	U	YES															
Isophorone	336		ug/Kg	U	YES															
Naphthalene	336		ug/Kg	U	YES															
Nitrobenzene	336		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	336		ug/Kg	U	YES															
Pentachlorophenol	336		ug/Kg	U	YES	UU						UU								

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 159 of 182

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

5554

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S2
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915011

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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	336		ug/Kg	U	YES															
Phenol	336		ug/Kg	U	YES															
Pyrene	336		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 160 of 182

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

5355

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S3
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915012

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dls	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6010C			Dilution: 1																	
Arsenic	4.50		mg/kg		YES															
Barium	89.5		mg/kg		YES	J						J								
Cadmium	0.804		mg/kg		YES	U							U							
Chromium	4.71		mg/kg		YES															
Lead	11.7		mg/kg		YES	J						J	J							
Selenium	2.22		mg/kg	U	YES															
Silver	1.11		mg/kg	U	YES															
Analysis Method : 7471B			Dilution: 1																	
Mercury	0.00400		mg/kg	J	YES															
Analysis Method : 8081			Dilution: 1																	
4,4'-DDD	10.4		ug/Kg	U	YES															
4,4'-DDD	10.4		ug/Kg	U	YES															
4,4'-DDE	1.42		ug/Kg	J	YES															
4,4'-DDE	1.42		ug/Kg	J	YES															
4,4'-DDT	2.44		ug/Kg	J	YES	U							U							
4,4'-DDT	2.44		ug/Kg	J	YES	U							U							
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	34.6		ug/Kg	U	YES															
Chlordane	34.6		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

ADR 8.2

Report Date: 9/6/2011 10:38

Page 161 of 182

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

5556

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S3
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915012

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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	10.4		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	34.6		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 162 of 182

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

5557

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S3
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915012

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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 : 8081																				
Dilution: 1																				
Toxaphene	34.6		ug/Kg	U	YES															
Analysis Method : 8151																				
Dilution: 1																				
2,4,5-T	0.0175		mg/kg	U	YES															
2,4,5-T	0.0175		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0175		mg/kg	U	YES	UJ							UJ							
2,4,5-TP (Silvex)	0.0175		mg/kg	U	YES	UJ							UJ							
2,4'-D	0.0175		mg/kg	U	YES	UJ							UJ							
2,4'-D	0.0175		mg/kg	U	YES	UJ							UJ							
2,4-DB	0.0175		mg/kg	U	YES															
2,4-DB	0.0175		mg/kg	U	YES															
Dicamba	0.0175		mg/kg	U	YES															
Dicamba	0.0175		mg/kg	U	YES															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.49		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.49		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.49		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.49		ug/Kg	U	YES															
1,1-Dichloroethane	4.49		ug/Kg	U	YES															
1,1-Dichloroethane	4.49		ug/Kg	U	YES															
1,1-Dichloropropene	4.49		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.49		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.49		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.49		ug/Kg	U	YES	UJ							UJ							
1,2,4-Trimethylbenzene	4.49		ug/Kg	U	YES	UJ							UJ							
1,2-Dibromo-3-chloropropane	27.0		ug/Kg	U	YES															
1,2-Dibromoethane	4.49		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.49		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 163 of 182

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

5558

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S3
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915012

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Molst TotDis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2-Dichloroethane	4.49		ug/Kg	U	YES															
1,2-Dichloropropane	4.49		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.49		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.49		ug/Kg	U	YES															
1,3-Dichloropropane	4.49		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.49		ug/Kg	U	YES															
2,2-Dichloropropane	4.49		ug/Kg	U	YES															
2-Butanone	22.5		ug/Kg	U	YES															
2-Chlorotoluene	4.49		ug/Kg	U	YES															
2-Hexanone	11.2		ug/Kg	U	YES															
4-Chlorotoluene	4.49		ug/Kg	U	YES															
4-Isopropyltoluene	4.49		ug/Kg	U	YES															
4-Methyl-2-pentanone	11.2		ug/Kg	U	YES															
Acetone	3.50		ug/Kg	J	YES	J				J	J		J							
Benzene	4.49		ug/Kg	U	YES															
Bromobenzene	4.49		ug/Kg	U	YES															
Bromochloromethane	4.49		ug/Kg	U	YES															
Bromodichloromethane	4.49		ug/Kg	U	YES															
Bromoform	4.49		ug/Kg	U	YES															
Bromomethane	4.49		ug/Kg	U	YES															
Carbon disulfide	4.49		ug/Kg	U	YES															
Carbon tetrachloride	4.49		ug/Kg	U	YES															
Chlorobenzene	4.49		ug/Kg	U	YES															
Chloroethane	4.49		ug/Kg	U	YES															
Chloroform	4.49		ug/Kg	U	YES															
Chloromethane	4.49		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 164 of 182

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

5559

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S3
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915012

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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	4.49		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.49		ug/Kg	U	YES															
Dibromochloromethane	4.49		ug/Kg	U	YES															
Dibromomethane	4.49		ug/Kg	U	YES															
Dichlorodifluoromethane	4.49		ug/Kg	U	YES															
Ethyl Benzene	4.49		ug/Kg	U	YES															
Hexachlorobutadiene	4.49		ug/Kg	U	YES	UJ					UJ									
Isopropylbenzene (Cumene)	4.49		ug/Kg	U	YES															
m,p-Xylene	8.89		ug/Kg	U	YES															
Methyl iodide	4.49		ug/Kg	U	YES															
Methylene chloride	2.32		ug/Kg	J	YES	UJ			U				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															
o-Xylene	4.49		ug/Kg	U	YES															
sec-Butylbenzene	4.49		ug/Kg	U	YES															
Styrene	4.49		ug/Kg	U	YES	UJ					UJ									
tert-Butyl methyl ether (MTBE)	4.49		ug/Kg	U	YES															
tert-Butylbenzene	4.49		ug/Kg	U	YES															
Tetrachloroethene	4.49		ug/Kg	U	YES															
Toluene	4.49		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.49		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.49		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	22.5		ug/Kg	U	YES															
Trichloroethene	4.49		ug/Kg	U	YES															
Trichlorofluoromethane	4.49		ug/Kg	U	YES	UJ					UJ									

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 165 of 182

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

5560

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S3
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915012

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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	4.49		ug/Kg	U	YES																
Analysis Method : 8270D							Dilution: 1														
1,2,4-Trichlorobenzene	355		ug/Kg	U	YES																
1,2-Dichlorobenzene	355		ug/Kg	U	YES																
1,3-Dichlorobenzene	355		ug/Kg	U	YES																
1,4-Dichlorobenzene	355		ug/Kg	U	YES																
2,4,5-Trichlorophenol	355		ug/Kg	U	YES																
2,4,6-Trichlorophenol	355		ug/Kg	U	YES																
2,4 Dichlorophenol	355		ug/Kg	U	YES																
2,4-Dimethylphenol	355		ug/Kg	U	YES																
2,4-Dinitrotoluene	355		ug/Kg	U	YES																
2,6-Dinitrotoluene	355		ug/Kg	U	YES																
2-Chloronaphthalene	355		ug/Kg	U	YES																
2-Chlorophenol	355		ug/Kg	U	YES																
2-Methylnaphthalene	355		ug/Kg	U	YES																
2-Methylphenol	355		ug/Kg	U	YES																
2-Nitroaniline	355		ug/Kg	U	YES																
2-Nitrophenol	355		ug/Kg	U	YES																
3 and/or 4-Methylphenol	355		ug/Kg	U	YES																
3-Nitroaniline	355		ug/Kg	U	YES																
4-Bromophenyl phenyl ether	355		ug/Kg	U	YES																
4-Chloro-3-methylphenol	355		ug/Kg	U	YES																
4-Chloroaniline	355		ug/Kg	U	YES																
4-Chlorophenyl phenyl ether	355		ug/Kg	U	YES																
4-Nitroaniline	355		ug/Kg	U	YES																
4-Nitrophenol	355		ug/Kg	U	YES																
Acenaphthene	355		ug/Kg	U	YES																

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 166 of 182

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

5561

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S3
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915012

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dls	Field QC	Tune	IC	ICV	CV/ GCV	
Analysis Method : 8270D																					
Dilution: 1																					
Acenaphthylene	355		ug/Kg	U	YES																
Anthracene	355		ug/Kg	U	YES																
Benzo(a)anthracene	355		ug/Kg	U	YES																
Benzo(a)pyrene	355		ug/Kg	U	YES																
Benzo(b)fluoranthene	355		ug/Kg	U	YES																
Benzo(g,h,i)perylene	355		ug/Kg	U	YES																
Benzo(k)fluoranthene	355		ug/Kg	U	YES																
Bis(2-Chloroethoxy)methane	355		ug/Kg	U	YES																
Bis(2-Chloroethyl)ether	355		ug/Kg	U	YES																
Bis(2-Chloroisopropyl)ether	355		ug/Kg	U	YES																
Bis(2-Ethylhexyl)phthalate	355		ug/Kg	U	YES																
Butyl benzyl phthalate	355		ug/Kg	U	YES																
Chrysene	355		ug/Kg	U	YES																
Dibenz(a,h)anthracene	355		ug/Kg	U	YES																
Dibenzofuran	355		ug/Kg	U	YES																
Diethyl phthalate	355		ug/Kg	U	YES																
Dimethyl phthalate	355		ug/Kg	U	YES																
Di-n-butyl phthalate	355		ug/Kg	U	YES																
Di-n-octyl phthalate	355		ug/Kg	U	YES																
Fluoranthene	355		ug/Kg	U	YES																
Fluorene	355		ug/Kg	U	YES																
Hexachlorobenzene	355		ug/Kg	U	YES																
Hexachlorobutadiene	355		ug/Kg	U	YES																
Hexachlorocyclopentadiene	355		ug/Kg	U	YES																
Hexachloroethane	355		ug/Kg	U	YES																
Indeno(1,2,3-cd)pyrene	355		ug/Kg	U	YES																

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 167 of 182

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

5562

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S3
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915012

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab 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	355		ug/Kg	U	YES															
Naphthalene	355		ug/Kg	U	YES															
Nitrobenzene	355		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	355		ug/Kg	U	YES															
Pentachlorophenol	355		ug/Kg	U	YES	UJ				UJ										
Phenanthrene	355		ug/Kg	U	YES															
Phenol	355		ug/Kg	U	YES															
Pyrene	355		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 168 of 182

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

5563

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S4

Lab Report Batch : 31101915

Lab ID : SGSW

Sample Date : 07/18/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101915015

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	2.65		mg/kg		YES															
Barium	75.0		mg/kg		YES	J					J									
Cadmium	0.617		mg/kg		YES	U			U											
Chromium	4.04		mg/kg		YES															
Lead	7.17		mg/kg		YES	J					J									
Selenium	1.96		mg/kg	U	YES															
Silver	0.979		mg/kg	U	YES															
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.00287		mg/kg	J	YES															
Analysis Method : 8081																				
Dilution: 1																				
4,4'-DDD	11.0		ug/Kg	U	YES															
4,4'-DDD	11.0		ug/Kg	U	YES															
4,4'-DDE	11.0		ug/Kg	U	YES															
4,4'-DDE	11.0		ug/Kg	U	YES															
4,4'-DDT	11.0		ug/Kg	U	YES															
4,4'-DDT	11.0		ug/Kg	U	YES															
Aldrin	11.0		ug/Kg	U	YES															
Aldrin	11.0		ug/Kg	U	YES															
alpha-BHC	11.0		ug/Kg	U	YES															
alpha-BHC	11.0		ug/Kg	U	YES															
alpha-Chlordane	11.0		ug/Kg	U	YES															
alpha-Chlordane	11.0		ug/Kg	U	YES															
beta-BHC	11.0		ug/Kg	U	YES															
beta-BHC	11.0		ug/Kg	U	YES															
Chlordane	36.5		ug/Kg	U	YES															
Chlordane	36.5		ug/Kg	U	YES															
delta-BHC	11.0		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 169 of 182

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

5564

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S4
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915015

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

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	11.0		ug/Kg	U	YES															
Dieldrin	11.0		ug/Kg	U	YES															
Dieldrin	11.0		ug/Kg	U	YES															
Endosulfan I	11.0		ug/Kg	U	YES															
Endosulfan I	11.0		ug/Kg	U	YES															
Endosulfan II	11.0		ug/Kg	U	YES															
Endosulfan II	11.0		ug/Kg	U	YES															
Endosulfan sulfate	11.0		ug/Kg	U	YES															
Endosulfon sulfate	11.0		ug/Kg	U	YES															
Endrin	11.0		ug/Kg	U	YES															
Endrin	11.0		ug/Kg	U	YES															
Endrin aldehyde	11.0		ug/Kg	U	YES															
Endrin aldehyde	11.0		ug/Kg	U	YES															
Endrin ketone	11.0		ug/Kg	U	YES															
Endrin ketone	11.0		ug/Kg	U	YES															
gamma-BHC (Lindane)	11.0		ug/Kg	U	YES															
gamma-BHC (Lindane)	11.0		ug/Kg	U	YES															
gamma-Chlordane	11.0		ug/Kg	U	YES															
gamma-Chlordane	11.0		ug/Kg	U	YES															
Heptachlor	11.0		ug/Kg	U	YES															
Heptachlor	11.0		ug/Kg	U	YES															
Heptachlor epoxide	11.0		ug/Kg	U	YES															
Heptachlor epoxide	11.0		ug/Kg	U	YES															
Methoxychlor	11.0		ug/Kg	U	YES															
Methoxychlor	11.0		ug/Kg	U	YES															
Toxaphene	36.5		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 170 of 182

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

5565

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S4
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915015

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

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	36.5		ug/Kg	U	YES															
Analysis Method : 8151																				
Dilution: 1																				
2,4,5-T	0.0181		mg/kg	U	YES															
2,4,5-T	0.0181		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0181		mg/kg	U	YES	UJ							UJ							
2,4,5-TP (Silvex)	0.0181		mg/kg	U	YES	UJ							UJ							
2,4-D	0.0181		mg/kg	U	YES	UJ							UJ							
2,4-D	0.0181		mg/kg	U	YES	UJ							UJ							
2,4-DD	0.0181		mg/kg	U	YES															
2,4-DB	0.0181		mg/kg	U	YES															
Dicamba	0.0181		mg/kg	U	YES															
Dicamba	0.0181		mg/kg	U	YES															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	5.11		ug/Kg	U	YES															
1,1,1-Trichloroethane	5.11		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	5.11		ug/Kg	U	YES															
1,1,2-Trichloroethane	5.11		ug/Kg	U	YES															
1,1-Dichloroethane	5.11		ug/Kg	U	YES															
1,1-Dichloroethene	5.11		ug/Kg	U	YES															
1,1-Dichloropropene	5.11		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	5.11		ug/Kg	U	YES															
1,2,3-Trichloropropane	5.11		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	5.11		ug/Kg	U	YES	UJ							UJ							
1,2,4-Trimethylbenzene	5.11		ug/Kg	U	YES	UJ							UJ							
1,2-Dibromo-3-chloropropane	30.6		ug/Kg	U	YES															
1,2-Dibromoethane	5.11		ug/Kg	U	YES															
1,2-Dichlorobenzene	5.11		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 171 of 182

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

5566

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S4
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915015

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

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	5.11		ug/Kg	U	YES															
1,2-Dichloropropane	5.11		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	5.11		ug/Kg	U	YES															
1,3-Dichlorobenzene	5.11		ug/Kg	U	YES															
1,3-Dichloropropane	5.11		ug/Kg	U	YES															
1,4-Dichlorobenzene	5.11		ug/Kg	U	YES															
2,2-Dichloropropane	5.11		ug/Kg	U	YES															
2-Butanone	25.5		ug/Kg	U	YES															
2-Chlorotoluene	5.11		ug/Kg	U	YES															
2-Hexanone	12.8		ug/Kg	U	YES															
4-Chlorotoluene	5.11		ug/Kg	U	YES															
4-Isopropyltoluene	5.11		ug/Kg	U	YES															
4-Methyl-2-pentanone	12.8		ug/Kg	U	YES															
Acetone	6.54		ug/Kg	J	YES	J				J	J									
Benzene	5.11		ug/Kg	U	YES															
Bromobenzene	5.11		ug/Kg	U	YES															
Bromochloromethane	5.11		ug/Kg	U	YES															
Bromodichloromethane	5.11		ug/Kg	U	YES															
Bromoform	5.11		ug/Kg	U	YES															
Bromomethane	5.11		ug/Kg	U	YES															
Carbon disulfide	5.11		ug/Kg	U	YES															
Carbon tetrachloride	5.11		ug/Kg	U	YES															
Chlorobenzene	5.11		ug/Kg	U	YES															
Chloroethane	5.11		ug/Kg	U	YES															
Chloroform	5.11		ug/Kg	U	YES															
Chloromethane	5.11		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 172 of 182

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

5567

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S4
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915015

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

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	5.11		ug/Kg	U	YES															
cis-1,3-Dichloropropene	5.11		ug/Kg	U	YES															
Dibromochloromethane	5.11		ug/Kg	U	YES															
Dibromomethane	5.11		ug/Kg	U	YES															
Dichlorodifluoromethane	5.11		ug/Kg	U	YES															
Ethyl Benzene	5.11		ug/Kg	U	YES															
Hexachlorobutadiene	5.11		ug/Kg	U	YES	UJ														
Isopropylbenzene (Cumene)	5.11		ug/Kg	U	YES															
m,p-Xylene	10.2		ug/Kg	U	YES															
Methyl iodide	5.11		ug/Kg	U	YES															
Methylene chloride	2.12		ug/Kg	J	YES	U			U											
Naphthalene	5.11		ug/Kg	U	YES	UJ														
n-Butylbenzene	5.11		ug/Kg	U	YES	UJ														
n-Propylbenzene	5.11		ug/Kg	U	YES															
o-Xylene	5.11		ug/Kg	U	YES															
sec-Butylbenzene	5.11		ug/Kg	U	YES															
Styrene	5.11		ug/Kg	U	YES	UJ														
tert-Butyl methyl ether (MTBE)	5.11		ug/Kg	U	YES															
tert-Butylbenzene	5.11		ug/Kg	U	YES															
Tetrachloroethene	5.11		ug/Kg	U	YES															
Toluene	5.11		ug/Kg	U	YES															
trans-1,2-Dichloroethene	5.11		ug/Kg	U	YES															
trans-1,3-Dichloropropene	5.11		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	25.5		ug/Kg	U	YES															
Trichloroethene	5.11		ug/Kg	U	YES															
Trichlorofluoromethane	5.11		ug/Kg	U	YES	UJ														

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 173 of 182

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

5568

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S4

Lab Report Batch : 31101915

Lab ID : SGSW

Sample Date : 07/18/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101915015

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	5.11		ug/Kg	U	YES															
Analysis Method : 8270D							Dilution: 1													
1,2,4-Trichlorobenzene	365		ug/Kg	U	YES															
1,2-Dichlorobenzene	365		ug/Kg	U	YES															
1,3-Dichlorobenzene	365		ug/Kg	U	YES															
1,4-Dichlorobenzene	365		ug/Kg	U	YES															
2,4,5-Trichlorophenol	365		ug/Kg	U	YES															
2,4,6-Trichlorophenol	365		ug/Kg	U	YES															
2,4-Dichlorophenol	365		ug/Kg	U	YES															
2,4-Dimethylphenol	365		ug/Kg	U	YES															
2,4-Dinitrotoluene	365		ug/Kg	U	YES															
2,6-Dinitrotoluene	365		ug/Kg	U	YES															
2-Chloronaphthalene	365		ug/Kg	U	YES															
2-Chlorophenol	365		ug/Kg	U	YES															
2-Methylnaphthalene	365		ug/Kg	U	YES															
2-Methylphenol	365		ug/Kg	U	YES															
2-Nitroaniline	365		ug/Kg	U	YES															
2-Nitrophenol	365		ug/Kg	U	YES															
3 and/or 4-Methylphenol	365		ug/Kg	U	YES															
3-Nitroaniline	365		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	365		ug/Kg	U	YES															
4-Chloro-3-methylphenol	365		ug/Kg	U	YES															
4-Chloroaniline	365		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	365		ug/Kg	U	YES															
4-Nitroaniline	365		ug/Kg	U	YES															
4-Nitrophenol	365		ug/Kg	U	YES															
Acenaphthene	365		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 174 of 182

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

5569

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S4
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915015

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

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	365		ug/Kg	U	YES															
Anthracene	365		ug/Kg	U	YES															
Benzo(a)anthracene	365		ug/Kg	U	YES															
Benzo(a)pyrene	365		ug/Kg	U	YES															
Benzo(b)fluoranthene	365		ug/Kg	U	YES															
Benzo(g,h,i)perylene	365		ug/Kg	U	YES															
Benzo(k)fluoranthene	365		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	365		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	365		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	365		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	365		ug/Kg	U	YES															
Butyl benzyl phthalate	365		ug/Kg	U	YES															
Chrysene	365		ug/Kg	U	YES															
Dibenz(a,h)anthracene	365		ug/Kg	U	YES															
Dibenzofuran	365		ug/Kg	U	YES															
Diethyl phthalate	365		ug/Kg	U	YES															
Dimethyl phthalate	365		ug/Kg	U	YES															
Di-n-butyl phthalate	365		ug/Kg	U	YES															
Di-n-octyl phthalate	365		ug/Kg	U	YES															
Fluoranthene	365		ug/Kg	U	YES															
Fluorene	365		ug/Kg	U	YES															
Hexachlorobenzene	365		ug/Kg	U	YES															
Hexachlorobutadiene	365		ug/Kg	U	YES															
Hexachlorocyclopentadiene	365		ug/Kg	U	YES															
Hexachloroethane	365		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	365		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 175 of 182

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

5570

Sample Qualification Report (All Analytes)

Client Sample ID : E11-153-S4
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915015

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

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	365		ug/Kg	U	YES															
Naphthalene	365		ug/Kg	U	YES															
Nitrobenzene	365		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	365		ug/Kg	U	YES															
Pentachlorophenol	365		ug/Kg	U	YES	UJ				UJ										
Phenanthrene	365		ug/Kg	U	YES															
Phenol	365		ug/Kg	U	YES															
Pyrene	365		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 176 of 182

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

5571

Sample Qualification Report (All Analytes)

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

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	5.00		ug/Kg	U	YES															
1,1,1-Trichloroethane	5.00		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	5.00		ug/Kg	U	YES															
1,1,2-Trichloroethane	5.00		ug/Kg	U	YES															
1,1-Dichloroethane	5.00		ug/Kg	U	YES															
1,1-Dichloroethene	5.00		ug/Kg	U	YES															
1,1-Dichloropropene	5.00		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	5.00		ug/Kg	U	YES															
1,2,3-Trichloropropane	5.00		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	5.00		ug/Kg	U	YES	UJ							UJ							
1,2,4-Trimethylbenzene	5.00		ug/Kg	U	YES	UJ							UJ							
1,2-Dibromo-3-chloropropane	30.0		ug/Kg	U	YES															
1,2-Dibromoethane	5.00		ug/Kg	U	YES															
1,2-Dichlorobenzene	5.00		ug/Kg	U	YES															
1,2-Dichloroethane	5.00		ug/Kg	U	YES															
1,2-Dichloropropane	5.00		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	5.00		ug/Kg	U	YES															
1,3-Dichlorobenzene	5.00		ug/Kg	U	YES															
1,3-Dichloropropane	5.00		ug/Kg	U	YES															
1,4-Dichlorobenzene	5.00		ug/Kg	U	YES															
2,2-Dichloropropane	5.00		ug/Kg	U	YES															
2-Butanone	25.0		ug/Kg	U	YES															
2-Chlorotoluene	5.00		ug/Kg	U	YES															
2-Hexanone	12.5		ug/Kg	U	YES															
4-Chlorotoluene	5.00		ug/Kg	U	YES															
4-Isopropyltoluene	5.00		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 177 of 182

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

5572

Sample Qualification Report (All Analytes)

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

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

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														
4-Methyl-2-pentanone	12.5		ug/Kg	U	YES																
Acetone	50.0		ug/Kg	U	YES	UJ							UJ								
Benzene	5.00		ug/Kg	U	YES																
Bromobenzene	5.00		ug/Kg	U	YES																
Bromochloromethane	5.00		ug/Kg	U	YES																
Bromodichloromethane	5.00		ug/Kg	U	YES																
Bromoform	5.00		ug/Kg	U	YES																
Bromomethane	5.00		ug/Kg	U	YES																
Carbon disulfide	5.00		ug/Kg	U	YES																
Carbon tetrachloride	5.00		ug/Kg	U	YES																
Chlorobenzene	5.00		ug/Kg	U	YES																
Chloroethane	5.00		ug/Kg	U	YES																
Chloroform	5.00		ug/Kg	U	YES																
Chloromethane	5.00		ug/Kg	U	YES																
cis-1,2-Dichloroethene	5.00		ug/Kg	U	YES																
cis-1,3-Dichloropropene	5.00		ug/Kg	U	YES																
Dibromochloromethane	5.00		ug/Kg	U	YES																
Dibromomethane	5.00		ug/Kg	U	YES																
Dichlorodifluoromethane	5.00		ug/Kg	U	YES																
Ethyl Benzene	5.00		ug/Kg	U	YES																
Hexachlorobutadiene	5.00		ug/Kg	U	YES	UJ									UJ						
Isopropylbenzene (Cumene)	5.00		ug/Kg	U	YES																
m,p-Xylene	10.0		ug/Kg	U	YES																
Methyl iodide	5.00		ug/Kg	U	YES																
Methylene chloride	3.41		ug/Kg	J	YES	U															
Naphthalene	5.00		ug/Kg	U	YES	UJ															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 178 of 182

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

5573

Sample Qualification Report (All Analytes)

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

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

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																		
n-Butylbenzene	5.00		ug/Kg	U	YES	UJ						UJ								
n-Propylbenzene	5.00		ug/Kg	U	YES															
o-Xylene	5.00		ug/Kg	U	YES															
sec-Butylbenzene	5.00		ug/Kg	U	YES															
Styrene	5.00		ug/Kg	U	YES	UJ						UJ								
tert-Butyl methyl ether (MTBE)	5.00		ug/Kg	U	YES															
tert-Butylbenzene	5.00		ug/Kg	U	YES															
Tetrachloroethene	1.08		ug/Kg	J	YES															
Toluene	5.00		ug/Kg	U	YES															
trans-1,2-Dichloroethene	5.00		ug/Kg	U	YES															
trans-1,3-Dichloropropene	5.00		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	25.0		ug/Kg	U	YES															
Trichloroethene	5.00		ug/Kg	U	YES															
Trichlorofluoromethane	5.00		ug/Kg	U	YES	UJ						UJ								
Vinyl chloride	5.00		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 179 of 182

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

5574

Sample Qualification Report (All Analytes)

Client Sample ID : Trip Blank (2)
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915022

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

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	Feld QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	5.00		ug/Kg	U	YES															
1,1,1-Trichloroethane	5.00		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	5.00		ug/Kg	U	YES															
1,1,2-Trichloroethane	5.00		ug/Kg	U	YES															
1,1-Dichloroethane	5.00		ug/Kg	U	YES															
1,1-Dichloroethane	5.00		ug/Kg	U	YES															
1,1-Dichloropropene	5.00		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	5.00		ug/Kg	U	YES															
1,2,3-Trichloropropane	5.00		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	5.00		ug/Kg	U	YES	UJ					UJ									
1,2,4-Trimethylbenzene	5.00		ug/Kg	U	YES	UJ					UJ									
1,2-Dibromo-3-chloropropane	30.0		ug/Kg	U	YES															
1,2-Dibromoethane	5.00		ug/Kg	U	YES															
1,2-Dichlorobenzene	5.00		ug/Kg	U	YES															
1,2-Dichloroethane	5.00		ug/Kg	U	YES															
1,2-Dichloropropane	5.00		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	5.00		ug/Kg	U	YES															
1,3-Dichlorobenzene	5.00		ug/Kg	U	YES															
1,3-Dichloropropane	5.00		ug/Kg	U	YES															
1,4-Dichlorobenzene	5.00		ug/Kg	U	YES															
2,2-Dichloropropane	5.00		ug/Kg	U	YES															
2-Butanone	25.0		ug/Kg	U	YES															
2-Chlorotoluene	5.00		ug/Kg	U	YES															
2-Hexanone	12.5		ug/Kg	U	YES															
4-Chlorotoluene	5.00		ug/Kg	U	YES															
4-Isopropyltoluene	5.00		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 180 of 182

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

5575

Sample Qualification Report (All Analytes)

Client Sample ID : Trip Blank (2)
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915022

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

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																				
4-Methyl-2-pentanone	12.5		ug/Kg	U	YES															
Acetone	50.0		ug/Kg	U	YES	UJ						UJ								
Benzene	5.00		ug/Kg	U	YES															
Bromobenzene	5.00		ug/Kg	U	YES															
Bromochloromethane	5.00		ug/Kg	U	YES															
Bromodichloromethane	5.00		ug/Kg	U	YES															
Bromoform	5.00		ug/Kg	U	YES															
Bromomethane	5.00		ug/Kg	U	YES															
Carbon disulfide	5.00		ug/Kg	U	YES															
Carbon tetrachloride	5.00		ug/Kg	U	YES															
Chlorobenzene	5.00		ug/Kg	U	YES															
Chloroethane	5.00		ug/Kg	U	YES															
Chloroform	5.00		ug/Kg	U	YES															
Chloromethane	5.00		ug/Kg	U	YES															
cis-1,2-Dichloroethene	5.00		ug/Kg	U	YES															
cis-1,3-Dichloropropene	5.00		ug/Kg	U	YES															
Dibromochloromethane	5.00		ug/Kg	U	YES															
Dibromomethane	5.00		ug/Kg	U	YES															
Dichlorodifluoromethane	5.00		ug/Kg	U	YES															
Ethyl Benzene	5.00		ug/Kg	U	YES															
Hexachlorobutadiene	5.00		ug/Kg	U	YES	UJ							UJ							
Isopropylbenzene (Cumene)	5.00		ug/Kg	U	YES															
m,p-Xylene	10.0		ug/Kg	U	YES															
Methyl iodide	5.00		ug/Kg	U	YES															
Methylene chloride	3.17		ug/Kg	J	YES	U			U											
Naphthalene	5.00		ug/Kg	U	YES	UJ							UJ							

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 181 of 182

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

5576

Sample Qualification Report (All Analytes)

Client Sample ID : Trip Blank (2)
 Sample Date : 07/18/2011
 Lab Sample ID: 31101915022

Lab Report Batch : 31101915
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

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	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
n-Butylbenzene	5.00		ug/Kg	U	YES	UJ						UJ								
n-Propylbenzene	5.00		ug/Kg	U	YES															
o-Xylene	5.00		ug/Kg	U	YES															
sec-Butylbenzene	5.00		ug/Kg	U	YES															
Styrene	5.00		ug/Kg	U	YES	UJ						UJ								
tert-Butyl methyl ether (MTBE)	5.00		ug/Kg	U	YES															
tert-Butylbenzene	5.00		ug/Kg	U	YES															
Tetrachloroethene	5.00		ug/Kg	U	YES															
Toluene	12.2		ug/Kg		YES															
trans-1,2-Dichloroethene	5.00		ug/Kg	U	YES															
trans-1,3-Dichloropropene	5.00		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	25.0		ug/Kg	U	YES															
Trichloroethene	5.00		ug/Kg	U	YES															
Trichlorofluoromethane	5.00		ug/Kg	U	YES	UJ						UJ								
Vinyl chloride	5.00		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 10:38

Page 182 of 182

^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

5577

APPENDIX 2
Automated Data Review Qualification Scheme
and
Definition of Flags

5578

Qualification Summary for GC/MS Methods

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

Qualification Summary for GC/MS Methods

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

Qualification Summary for GC/MS Methods

QUALITY CONTROL ITEM	EVALUATION	DATA QUALIFIER FLAG			SAMPLE(S) QUALIFIED
		Detects		Nondetects	
		Non Biased	Biased		
FIELD BLANKS EQUIPMENT BLANKS	1) Common lab contaminants and tentatively identified compound (TIC) results less than or equal to 10 times blank contamination	U	U	None	All samples in the same sampling event
	2) Other lab contaminant results less than or equal to 5 times blank contamination	U	U	None	
TRIP BLANKS	1) Common lab contaminants and tentatively identified compound (TIC) results less than or equal to 10 times blank contamination	U	U	None	All samples in the same Shipping Batch as the trip blank
	2) Other lab contaminant results less than or equal to 5 times blank contamination	U	U	None	

Qualification Summary for GC Methods

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

Qualification Summary for GC Methods

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

Qualification Summary for Metals Methods

QUALITY CONTROL ITEM	EVALUATION	DATA QUALIFIER FLAG			SAMPLE(S) QUALIFIED
		Detects		Nondetects	
		Non Biased	Biased		
HOLDING TIMES	1) Holding time exceeded by 2 times or less	J	J-	UJ	Sample
	2) Holding time exceeded by greater than 2 times	J	J-	R	
INITIAL CALIBRATION	1) $r < 0.995$	J	J	UJ	All samples associated with initial calibration (Run Batch)
INITIAL CALIBRATION VERIFICATION (ICV)	1) % Recovery > 110% but \leq 125% (Hg, % Recovery > 120% but \leq 135%)	J	J+	None	All samples associated with initial calibration verification (Run Batch)
	2) % Recovery > 125% (Hg, % Recovery > 135%)	R	R	None	
	3) % Recovery < 90% but \geq 75% (Hg, % Recovery < 80% but \geq 65%)	J	J-	UJ	
	4) % Recovery < 75% (Hg, % Recovery < 65%)	R	R	R	
CALIBRATION VERIFICATION	1) % Recovery > 110% but \leq 125% (Hg, % Recovery > 120% but \leq 135%)	J	J+	None	All samples associated with continuing calibration (Analysis Batch)
	2) % Recovery > 125% (Hg, % Recovery > 135%)	R	R	None	
	3) % Recovery < 90% but \geq 75% (Hg, % Recovery < 80% but \geq 65%)	J	J-	UJ	
	4) % Recovery < 75% (Hg, % Recovery < 65%)	R	R	R	
METHOD BLANK CONTAMINATION	Sample results less than or equal to 5 times the blank contamination	U	U	None	All samples in the same Preparation Batch
MATRIX SPIKE RECOVERY	1) % Recovery < CL but \geq 30%	J	J-	UJ	All samples in the same Method Batch
	2) % Recovery < 30%	J	J-	R	
	3) % Recovery > CL	J	J+	None	
	4) RPD > CL	J	J	UJ	

5584

Qualification Summary for Metals Methods

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

Data Qualifier Definitions

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

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

Chemical Data Validation Report for Camp Carroll Agent Orange Investigation

Far East District Project Number 11-032E

Phase: Phase 1 Soil Sampling

Laboratory: SGS North America Inc.

Method: SW 846 Methods 6010c, 7471b, 8081, 8151a, 8260b, and 8270d.

Sample Group: 31101872

Date: 6 September 2011

Validator:  b6

US Army Engineer District, Honolulu

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

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

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

5587

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

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

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

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

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

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

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

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

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

5588

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

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

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

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

5589

APPENDIX 1
Automated Data Review Results

5590

Summary Report by Analysis Method

5591

EDD Summary Report by Analysis Method

Laboratory Reporting Batch :

Laboratory :

Lab Report Date :

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
6010C	E11-113-S1	31101872016	RES	3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
	E11-113-S2	31101872017		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
	E11-113-S3	31101872018		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
	E11-113-S4	31101872019		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
	E11-114-S1	31101872021		3050B	SO	07/12/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/12/2011	07/15/2011	07/18/2011	07/18/2011
	E11-114-S2	31101872022		3050B	SO	07/12/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/12/2011	07/15/2011	07/18/2011	07/18/2011
	E11-114-S3	31101872023		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
	E11-114-S4	31101872024		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
	E11-115-S1	31101872027		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
	E11-115-S2	31101872028		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
	E11-115-S3	31101872029		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
	E11-115-S4	31101872030		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
	E11-116-S1	31101872033		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
	E11-116-S2	31101872034		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011

Project Number and Name: 1w2 - 11-032E Carroll Agent Orange

5592

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 31101872

Laboratory : SGSW

Lab Report Date : 08/22/2011

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
E11-116-S3		31101872035	RES	3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
E11-116-S4		31101872036		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
E11-118-S1		31101872002		3050B	SO	07/12/2011	07/15/2011	07/18/2011	07/18/2011
E11-118-S2		31101872003		3050B	SO	07/12/2011	07/15/2011	07/18/2011	07/18/2011
E11-118-S3		31101872004		3050B	SO	07/12/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/12/2011	07/15/2011	07/18/2011	07/19/2011
E11-118-S4		31101872005		3050B	SO	07/12/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/12/2011	07/15/2011	07/18/2011	07/19/2011
E11-119-S1		31101872006		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
E11-119-S2		31101872007		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
E11-119-S3		31101872008		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
E11-119-S4		31101872009		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
E11-124-S1		31101872010		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
E11-124-S2		31101872011		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
E11-124-S3		31101872012		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
				3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/19/2011
E11-124-S4		31101872013		3050B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
7471B									
E11-113-S1		31101872016	RES	7471B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
E11-113-S2		31101872017		7471B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
E11-113-S3		31101872018		7471B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
E11-113-S4		31101872019		7471B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011

Project Number and Name: 102 - 11-032E Carroll Agent Orange

5593

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 31101872

Laboratory : SGSW

Lab Report Date : 08/22/2011

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
E11-114-S1		31101872021	RES	7471B	SO	07/12/2011	07/15/2011	07/18/2011	07/18/2011
E11-114-S2		31101872022		7471B	SO	07/12/2011	07/15/2011	07/18/2011	07/18/2011
E11-114-S3		31101872023		7471B	SO	07/13/2011	07/15/2011	07/19/2011	07/19/2011
E11-114-S4		31101872024		7471B	SO	07/13/2011	07/15/2011	07/19/2011	07/19/2011
E11-115-S1		31101872027		7471B	SO	07/13/2011	07/15/2011	07/19/2011	07/19/2011
E11-115-S2		31101872028		7471B	SO	07/13/2011	07/15/2011	07/19/2011	07/19/2011
E11-115-S3		31101872029		7471B	SO	07/13/2011	07/15/2011	07/19/2011	07/19/2011
E11-115-S4		31101872030		7471B	SO	07/13/2011	07/15/2011	07/19/2011	07/19/2011
E11-116-S1		31101872033		7471B	SO	07/13/2011	07/15/2011	07/19/2011	07/19/2011
E11-116-S2		31101872034		7471B	SO	07/13/2011	07/15/2011	07/19/2011	07/19/2011
E11-116-S3		31101872035		7471B	SO	07/13/2011	07/15/2011	07/19/2011	07/19/2011
E11-116-S4		31101872036		7471B	SO	07/13/2011	07/15/2011	07/19/2011	07/19/2011
E11-118-S1		31101872002		7471B	SO	07/12/2011	07/15/2011	07/18/2011	07/18/2011
E11-118-S2		31101872003		7471B	SO	07/12/2011	07/15/2011	07/18/2011	07/18/2011
E11-118-S3		31101872004		7471B	SO	07/12/2011	07/15/2011	07/18/2011	07/18/2011
E11-118-S4		31101872005		7471B	SO	07/12/2011	07/15/2011	07/18/2011	07/18/2011
E11-119-S1		31101872006		7471B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
E11-119-S2		31101872007		7471B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
E11-119-S3		31101872008		7471B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
E11-119-S4		31101872009		7471B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
E11-124-S1		31101872010		7471B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
E11-124-S2		31101872011		7471B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
E11-124-S3		31101872012		7471B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
E11-124-S4		31101872013		7471B	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
8081									
E11-113-S1		31101872016	RES	3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011
E11-113-S2		31101872017	DL	3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011
E11-113-S3		31101872018		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/20/2011

Project Number and Name: 102 - 11-032E Carroll Agent Orange

5594

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 31101872

Laboratory : SGSW

Lab Report Date : 08/22/2011

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
E11-113-S3		31101872018	DL	3541	SO	07/13/2011	07/15/2011	07/16/2011	07/20/2011
E11-113-S4		31101872019		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/20/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/20/2011
E11-114-S1		31101872021	RES	3541	SO	07/12/2011	07/15/2011	07/16/2011	07/20/2011
				3541	SO	07/12/2011	07/15/2011	07/16/2011	07/21/2011
E11-114-S2		31101872022		3541	SO	07/12/2011	07/15/2011	07/16/2011	07/22/2011
				3541	SO	07/12/2011	07/15/2011	07/16/2011	07/22/2011
E11-114-S3		31101872023		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011
E11-114-S4		31101872024		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011
E11-115-S1		31101872027		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011
E11-115-S2		31101872028		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011
E11-115-S3		31101872029		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011
E11-115-S4		31101872030		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/22/2011
E11-116-S1		31101872033		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/23/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/23/2011
E11-116-S2		31101872034		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/23/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/23/2011
E11-116-S3		31101872035		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/23/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/23/2011
E11-116-S4		31101872036		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/23/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/23/2011
E11-118-S1		31101872002		3541	SO	07/12/2011	07/15/2011	07/16/2011	07/19/2011
				3541	SO	07/12/2011	07/15/2011	07/16/2011	07/19/2011
E11-118-S2		31101872003	DL	3541	SO	07/12/2011	07/15/2011	07/16/2011	07/22/2011

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

5595

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 31101872

Laboratory : SGSW

Lab Report Date : 08/22/2011

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
E11-118-S2		31101872003	DL	3541	SO	07/12/2011	07/15/2011	07/16/2011	07/22/2011
E11-118-S3		31101872004		3541	SO	07/12/2011	07/15/2011	07/16/2011	07/22/2011
				3541	SO	07/12/2011	07/15/2011	07/16/2011	07/22/2011
E11-118-S4		31101872005	RES	3541	SO	07/12/2011	07/15/2011	07/16/2011	07/22/2011
				3541	SO	07/12/2011	07/15/2011	07/16/2011	07/22/2011
E11-119-S1		31101872006		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/19/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/19/2011
E11-119-S2		31101872007		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/19/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/19/2011
E11-119-S3		31101872008		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/19/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/19/2011
E11-119-S4		31101872009		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/19/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/19/2011
E11-124-S1		31101872010		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/19/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/19/2011
E11-124-S2		31101872011	DL	3541	SO	07/13/2011	07/15/2011	07/16/2011	07/27/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/27/2011
E11-124-S3		31101872012		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/20/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/20/2011
E11-124-S4		31101872013		3541	SO	07/13/2011	07/15/2011	07/16/2011	07/20/2011
				3541	SO	07/13/2011	07/15/2011	07/16/2011	07/20/2011
8151									
E11-113-S1		31101872016	RES	3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011
E11-113-S2		31101872017		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011
				3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011
E11-113-S3		31101872018		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011
E11-113-S4		31101872019		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011
E11-114-S1		31101872021		3541	SO	07/12/2011	07/15/2011	07/15/2011	07/21/2011
E11-114-S2		31101872022		3541	SO	07/12/2011	07/15/2011	07/15/2011	07/21/2011
E11-114-S3		31101872023		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011

Project Number and Name: 102 - 11-032E Carroll Agent Orange

5596

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 31101872

Laboratory : SGSW

Lab Report Date : 08/22/2011

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
	E11-114-S4	31101872024	RES	3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011
	E11-115-S1	31101872027		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011
	E11-115-S2	31101872028		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011
	E11-115-S3	31101872029		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011
	E11-115-S4	31101872030		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011
	E11-116-S1	31101872033		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011
	E11-116-S2	31101872034		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011
	E11-116-S3	31101872035		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011
	E11-116-S4	31101872036		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/21/2011
	E11-118-S1	31101872002		3541	SO	07/12/2011	07/15/2011	07/15/2011	07/22/2011
	E11-118-S2	31101872003		3541	SO	07/12/2011	07/15/2011	07/15/2011	07/22/2011
				3541	SO	07/12/2011	07/15/2011	07/15/2011	07/22/2011
	E11-118-S3	31101872004		3541	SO	07/12/2011	07/15/2011	07/15/2011	07/22/2011
	E11-118-S4	31101872005		3541	SO	07/12/2011	07/15/2011	07/15/2011	07/22/2011
	E11-119-S1	31101872006		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/22/2011
	E11-119-S2	31101872007		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/22/2011
	E11-119-S3	31101872008		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/22/2011
	E11-119-S4	31101872009		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/22/2011
	E11-124-S1	31101872010		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/22/2011
	E11-124-S2	31101872011		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/22/2011
				3541	SO	07/13/2011	07/15/2011	07/15/2011	07/22/2011
	E11-124-S3	31101872012		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/22/2011
	E11-124-S4	31101872013		3541	SO	07/13/2011	07/15/2011	07/15/2011	07/22/2011
8260B									
	E11-113-S1	31101872016	RES	5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011
	E11-113-S2	31101872017		5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011
	E11-113-S3	31101872018		5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011
	E11-113-S4	31101872019		5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011
	E11-114-S1	31101872021		5035	SO	07/12/2011	07/15/2011	07/16/2011	07/16/2011
	E11-114-S2	31101872022		5035	SO	07/12/2011	07/15/2011	07/16/2011	07/16/2011

Project Number and Name: 102 - 11-032E Carroll Agent Orange

5597

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 31101872

Laboratory : SGSW

Lab Report Date : 08/22/2011

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
E11-114-S3		31101872023	RES	5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011
E11-114-S4		31101872024		5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011
E11-115-S1		31101872027		5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011
E11-115-S2		31101872028		5035	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
E11-115-S3		31101872029		5035	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
E11-115-S4		31101872030		5035	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
E11-116-S1		31101872033		5035	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
E11-116-S2		31101872034		5035	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
E11-116-S3		31101872035		5035	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
E11-116-S4		31101872036		5035	SO	07/13/2011	07/15/2011	07/18/2011	07/18/2011
E11-118-S1		31101872002		5035	SO	07/12/2011	07/15/2011	07/16/2011	07/16/2011
E11-118-S2		31101872003	DL	5035	SO	07/12/2011	07/15/2011	07/16/2011	07/16/2011
E11-118-S3		31101872004	RES	5035	SO	07/12/2011	07/15/2011	07/18/2011	07/18/2011
E11-118-S4		31101872005		5035	SO	07/12/2011	07/15/2011	07/19/2011	07/19/2011
E11-119-S1		31101872006		5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011
E11-119-S2		31101872007	DL	5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011
E11-119-S3		31101872008		5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011
E11-119-S4		31101872009	RES	5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011
E11-124-S1		31101872010		5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011
E11-124-S2		31101872011		5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011
E11-124-S3		31101872012		5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011
E11-124-S4		31101872013		5035	SO	07/13/2011	07/15/2011	07/16/2011	07/16/2011
Trip Blank (0950)		31101872020		5035	SO	07/12/2011	07/15/2011	07/16/2011	07/16/2011
Trip Blank (0953)		31101872001		5035	SO	07/12/2011	07/15/2011	07/16/2011	07/16/2011
8270D									
E11-113-S1		31101872016	RES	3541	SO	07/13/2011	07/15/2011	07/17/2011	07/19/2011
E11-113-S2		31101872017		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/20/2011
E11-113-S3		31101872018		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/19/2011
E11-113-S4		31101872019		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/19/2011
E11-114-S1		31101872021		3541	SO	07/12/2011	07/15/2011	07/17/2011	07/19/2011

Project Number and Name: 102 - 11-032E Carroll Agent Orange

5598

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 31101872

Laboratory : SGSW

Lab Report Date : 08/22/2011

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
E11-114-S2		31101872022	RES	3541	SO	07/12/2011	07/15/2011	07/17/2011	07/19/2011
E11-114-S3		31101872023		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/19/2011
E11-114-S4		31101872024		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/19/2011
E11-115-S1		31101872027		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/19/2011
E11-115-S2		31101872028		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/20/2011
E11-115-S3		31101872029		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/20/2011
E11-115-S4		31101872030		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/20/2011
E11-116-S1		31101872033		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/20/2011
E11-116-S2		31101872034		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/20/2011
E11-116-S3		31101872035		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/20/2011
E11-116-S4		31101872036		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/20/2011
E11-118-S1		31101872002		3541	SO	07/12/2011	07/15/2011	07/17/2011	07/18/2011
E11-118-S2		31101872003		3541	SO	07/12/2011	07/15/2011	07/17/2011	07/18/2011
E11-118-S3		31101872004		3541	SO	07/12/2011	07/15/2011	07/17/2011	07/18/2011
E11-118-S4		31101872005		3541	SO	07/12/2011	07/15/2011	07/17/2011	07/18/2011
E11-119-S1		31101872006		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/18/2011
E11-119-S2		31101872007		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/18/2011
E11-119-S3		31101872008		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/18/2011
E11-119-S4		31101872009		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/18/2011
E11-124-S1		31101872010		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/18/2011
E11-124-S2		31101872011		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/18/2011
E11-124-S3		31101872012		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/18/2011
E11-124-S4		31101872013		3541	SO	07/13/2011	07/15/2011	07/17/2011	07/18/2011

Project Number and Name: 102 - 11-032E Carroll Agent Orange

5599

**Laboratory Control Sample/Laboratory Control
Sample Duplicate Outlier Report**

5600