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Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : XXX1554
 Preparation Batch : XXX1554
 Lab Reporting Batch : 31101879

Analysis Method : 8270D
 Preparation Type : 3541
 Lab ID: SGSW

Analysis Date : 07/21/2011
 Preparation Date : 07/20/2011

LCS Lab Sample ID	Matrix	Analyte Name	Reported Values		Project Limits (Percent)			
			Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
31862	SO	Hexachlorocyclopentadiene	2181		10.00	55.00	250.00	60.00

Associated Samples	
Client Sample ID	Lab Sample ID
E11-112-S1	31101879008
E11-112-S1	31101879008
E11-112-S2	31101879009
E11-112-S2	31101879009
E11-117-S1	31101879018
E11-117-S1	31101879018
E11-117-S2	31101879019
E11-117-S2	31101879019
E11-117-S3	31101879020
E11-117-S3	31101879020
E11-117-S4	31101879021
E11-117-S4	31101879021
E11-122-S1	31101879022
E11-122-S1	31101879022
E11-125-S1	31101879006
E11-125-S1	31101879006
E11-125-S2	31101879007
E11-125-S2	31101879007
E11-126-S1	31101879004
E11-126-S1	31101879004
E11-126-S2	31101879005
E11-126-S2	31101879005
E11-127-S1	31101879010
E11-127-S1	31101879010
E11-127-S2	31101879011
E11-127-S2	31101879011
E11-131-S1	31101879002
F11-131-S1	31101879002
E11-131-S2	31101879003
E11-131-S2	31101879003
E11-140-S1	31101879012
E11-140-S1	31101879012
E11-140-S2	31101879013
F11-140-S2	31101879013
E11-140-S3	31101879016
E11-140-S3	31101879016

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

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

4701

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : XXX1555	Analysis Method : 8270D	Analysis Date : 07/21/2011
Preparation Batch : XXX1555	Preparation Type : 3541	Preparation Date : 07/20/2011
Lab Reporting Batch : 31101879	Lab ID: SGSW	

LCS Lab Sample ID	Matrix	Analyte Name	Reported Values		Project Limits (Percent)			
			Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
31864	SO	Hexachlorocyclopentadiene	2268		10.00	55.00	250.00	60.00

Associated Samples	
Client Sample ID	Lab Sample ID
E11-111-S1	31101879038
E11-111-S1	31101879038
E11-120-S1	31101879039
E11-120-S1	31101879039
E11-120-S2	31101879040
E11-120-S2	31101879040
E11-120-S3	31101879041
E11-120-S3	31101879041
E11-121-S1	31101879042
E11-121-S1	31101879042
E11-121-S2	31101879043
E11-121-S2	31101879043
E11-122-S2	31101879023
E11-122-S2	31101879023
E11-122-S3	31101879024
E11-122-S3	31101879024
E11-122-S4	31101879025
E11-122-S4	31101879025
E11-123-S1	31101879032
E11-123-S1	31101879032
E11-123-S2	31101879033
E11-123-S2	31101879033
E11-123-S3	31101879034
E11-123-S3	31101879034
E11-123-S4	31101879037
E11-123-S4	31101879037
E11-146-S1	31101879028
E11-140-S1	31101879028
E11-146-S2	31101879029
E11-146-S2	31101879029
E11-146-S3	31101879030
E11-146-S3	31101879030

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

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

4702

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : XXX1560	Analysis Method : 8270D	Analysis Date : 07/22/2011
Preparation Batch : XXX1560	Preparation Type : 3541	Preparation Date : 07/21/2011
Lab Reporting Batch : 31101879	Lab ID: SGSW	

LCS Lab Sample ID	Matrix	Analyte Name	Reported Values		Project Limits (Percent)			
			Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
32031	SO	Hexachlorocyclopentadiene	2259		10.00	55.00	250.00	60.00
		Pentachlorophenol	67		10.00	75.00	120.00	60.00

<i>Associated Samples</i>	
Client Sample ID	Lab Sample ID
E11-109-S1	31101879044
E11-109-S1	31101879044
E11-110-S1	31101879052
E11-110-S1	31101879052
E11-129-S1	31101879046
E11-129-S1	31101879046
E11-130-S1	31101879047
E11-130-S1	31101879047
E11-132-S1	31101879048
E11-132-S1	31101879048
E11-132-S2	31101879049
E11-132-S2	31101879049
E11-133-S1	31101879050
E11-133-S1	31101879050
E11-133-S2	31101879051
E11-133-S2	31101879051
E11-136-S1	31101879053
E11-136-S1	31101879053
E11-136-S2	31101879054
E11-136-S2	31101879054

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

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

4703

Sample Qualification Report

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

4704

Sample Qualification Report (All Analytes)

Client Sample ID : 31101879013MS

Lab Report Batch : 31101879

Lab ID : SGSW

Sample Date :

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879014

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081				Dilution: 1																
Chlordane	32.9		ug/Kg	U																
Chlordane	32.9		ug/Kg	U																
Toxaphene	32.9		ug/Kg	U																
Toxaphene	32.9		ug/Kg	U																
Analysis Method : 8151				Dilution: 1																
Bentazon	0.0327		mg/kg	U																
Bentazon	0.0327		mg/kg	U																
Picloram	0.0293		mg/kg	J		J								J						
Picloram	0.0293		mg/kg	J		J								J						

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:21

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

4705

Sample Qualification Report (All Analytes)

Client Sample ID : 31101879025MS

Lab Report Batch : 31101879

Lab ID : SGSW

Sample Date :

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879026

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8081																				
Dilution: 1																				
Chlordane	33.8		ug/Kg	U																
Chlordane	33.8		ug/Kg	U																
Toxaphene	33.8		ug/Kg	U																
Toxaphene	33.8		ug/Kg	U																

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

Library Used: CampCarroll

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

4706

Sample Qualification Report (All Analytes)

Client Sample ID : 31101879034MS

Lab Report Batch : 31101879

Lab ID : SGSW

Sample Date :

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879035

Reviewed By / Date :

Approved By / 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																				
Chlordane	33.4		ug/Kg	U																
Chlordane	33.4		ug/Kg	U																
Toxaphene	33.4		ug/Kg	U																
Toxaphene	33.4		ug/Kg	U																

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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

4707

Sample Qualification Report (All Analytes)

Client Sample ID : E11-109-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879044

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6010C																				
Dilution: 1																				
Arsenic	6.31		mg/kg		YES															
Barium	941		mg/kg		YES															
Cadmium	0.902		mg/kg		YES															
Chromium	5.36		mg/kg		YES															
Lead	9.65		mg/kg		YES	J						J								
Selenium	1.85		mg/kg		YES															
Silver	0.853		mg/kg	J	YES	U							U							
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.0198		mg/kg	U	YES															
Analysis Method : 8081																				
Dilution: 1																				
4,4'-DDD	10.4		ug/Kg	U	YES															
4,4'-DDD	10.4		ug/Kg	U	YES															
4,4'-DDE	10.4		ug/Kg	U	YES															
4,4'-DDE	10.4		ug/Kg	U	YES															
4,4'-DDT	10.4		ug/Kg	U	YES															
4,4'-DDT	10.4		ug/Kg	U	YES															
Aldrin	10.4		ug/Kg	U	YES															
Aldrin	10.4		ug/Kg	U	YES															
alpha-BHC	10.4		ug/Kg	U	YES															
alpha-BHC	10.4		ug/Kg	U	YES															
alpha-Chlordane	10.4		ug/Kg	U	YES															
alpha-Chlordane	10.4		ug/Kg	U	YES															
beta-BHC	10.4		ug/Kg	U	YES															
beta-BHC	10.4		ug/Kg	U	YES															
Chlordane	34.7		ug/Kg	U	YES															
Chlordane	34.7		ug/Kg	U	YES															
delta-BHC	10.4		ug/Kg	U	YES															

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

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4708

Sample Qualification Report (All Analytes)

Client Sample ID : E11-109-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879044

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8081																				
Dilution: 1																				
della-BHC	10.4		ug/Kg	U	YES															
Dieldrin	10.4		ug/Kg	U	YES															
Dieldrin	10.4		ug/Kg	U	YES															
Endosulfan I	10.4		ug/Kg	U	YES															
Endosulfan I	10.4		ug/Kg	U	YES															
Endosulfan II	10.4		ug/Kg	U	YES															
Endosulfan II	10.4		ug/Kg	U	YES															
Endosulfan sulfate	10.4		ug/Kg	U	YES															
Endosulfan sulfate	10.4		ug/Kg	U	YES															
Endrin	10.4		ug/Kg	U	YES															
Endrin	10.4		ug/Kg	U	YES															
Endrin aldehyde	10.4		ug/Kg	U	YES															
Endrin aldehyde	10.4		ug/Kg	U	YES															
Endrin ketone	10.4		ug/Kg	U	YES															
Endrin ketone	10.4		ug/Kg	U	YES															
gamma-BHC (Lindane)	2.74		ug/Kg	J	YES															
gamma-BHC (Lindane)	2.74		ug/Kg	J	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	34.7		ug/Kg	U	YLU															

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

Library Used: CampCarroll

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4709

Sample Qualification Report (All Analytes)

Client Sample ID : E11-109-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879044

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 1																				
Toxaphene	34.7		ug/Kg	U	YES															
Analysis Method : 8151																				
Dilution: 1																				
2,4,5-T	0.0167		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0167		mg/kg	U	YES															
2,4'-D	0.0167		mg/kg	U	YES															
2,4-DB	0.0167		mg/kg	U	YES															
Dicamba	0.0167		mg/kg	U	YES															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.55		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.55		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.55		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.55		ug/Kg	U	YES															
1,1-Dichloroethane	4.55		ug/Kg	U	YES															
1,1-Dichloroethene	4.55		ug/Kg	U	YES															
1,1-Dichloropropene	4.55		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.55		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.55		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.55		ug/Kg	U	YES	UJ						UJ								
1,2,4-Trimethylbenzene	4.55		ug/Kg	U	YES	UJ						UJ								
1,2-Dibromo-3-chloropropane	27.3		ug/Kg	U	YES															
1,2-Dibromoethane	4.55		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.55		ug/Kg	U	YES															
1,2-Dichloroethane	4.55		ug/Kg	U	YES															
1,2-Dichloropropane	4.55		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.55		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.55		ug/Kg	U	YES															
1,3-Dichloropropane	4.55		ug/Kg	U	YES															

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

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4710

Sample Qualification Report (All Analytes)

Client Sample ID : E11-109-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879044

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,4-Dichlorobenzene	4.55		ug/Kg	U	YES															
2,2-Dichloropropane	4.55		ug/Kg	U	YES															
2-Butanone	5.16		ug/Kg	J	YES	J					J		J							
2-Chlorotoluene	4.55		ug/Kg	U	YES															
2-Hexanone	11.4		ug/Kg	U	YES															
4-Chlorotoluene	4.55		ug/Kg	U	YES															
4-Isopropyltoluene	4.55		ug/Kg	U	YES															
4-Methyl-2-pentanone	11.4		ug/Kg	U	YES															
Acetone	28.3		ug/Kg	J	YES	J					J		J							
Benzene	4.55		ug/Kg	U	YES															
Bromobenzene	4.55		ug/Kg	U	YES															
Bromochloromethane	4.55		ug/Kg	U	YES															
Bromodichloromethane	4.55		ug/Kg	U	YES															
Bromoform	4.55		ug/Kg	U	YES															
Bromomethane	4.55		ug/Kg	U	YES															
Carbon disulfide	4.55		ug/Kg	U	YES															
Carbon tetrachloride	4.55		ug/Kg	U	YES															
Chlorobenzene	4.55		ug/Kg	U	YES															
Chloroethane	4.55		ug/Kg	U	YES															
Chloroform	4.55		ug/Kg	U	YES															
Chloromethane	4.55		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.55		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.55		ug/Kg	U	YES															
Dibromochloromethane	4.55		ug/Kg	U	YES															
Dibromomethane	4.55		ug/Kg	U	YES															
Dichlorodifluoromethane	4.55		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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

4711

Sample Qualification Report (All Analytes)

Client Sample ID : E11-109-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879044

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
Ethyl Benzene	4.55		ug/Kg	U	YES															
Hexachlorobutadiene	4.55		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.55		ug/Kg	U	YES															
m,p-Xylene	9.10		ug/Kg	U	YES															
Methyl iodide	0.828		ug/Kg	J	YES	J							J							
Methylene chloride	1.47		ug/Kg	J	YES	UJ			U				J							
Naphthalene	4.55		ug/Kg	U	YES	UJ						UJ								
n-Butylbenzene	4.55		ug/Kg	U	YES															
n-Propylbenzene	4.55		ug/Kg	U	YES															
o-Xylene	4.55		ug/Kg	U	YES															
sec-Butylbenzene	4.55		ug/Kg	U	YES															
Styrene	4.55		ug/Kg	U	YES	UJ						UJ								
tert-Butyl methyl ether (MTBE)	4.55		ug/Kg	U	YES															
tert-Butylbenzene	4.55		ug/Kg	U	YES															
Tetrachloroethene	2.55		ug/Kg	J	YES	J							J							
Toluene	4.55		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.55		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.55		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	22.8		ug/Kg	U	YES															
Trichloroethene	4.55		ug/Kg	U	YES															
Trichlorofluoromethane	4.55		ug/Kg	U	YES	UJ						UJ								
Vinyl chloride	4.55		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	342		ug/Kg	U	YES															
1,2-Dichlorobenzene	342		ug/Kg	U	YES															
1,3-Dichlorobenzene	342		ug/Kg	U	YES															
1,4-Dichlorobenzene	342		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/5/2011 08:22

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

4712

Sample Qualification Report (All Analytes)

Client Sample ID : E11-109-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879044

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dls	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8270D																				
Dilution: 1																				
2,4,5-Trichlorophenol	342		ug/Kg	U	YES															
2,4,6-Trichlorophenol	342		ug/Kg	U	YES															
2,4-Dichlorophenol	342		ug/Kg	U	YES															
2,4-Dimethylphenol	342		ug/Kg	U	YES															
2,4-Dinitrotoluene	342		ug/Kg	U	YES															
2,6-Dinitrotoluene	342		ug/Kg	U	YES															
2-Chloronaphthalene	342		ug/Kg	U	YES															
2-Chlorophenol	342		ug/Kg	U	YES															
2-Methylnaphthalene	342		ug/Kg	U	YES															
2-Methylphenol	342		ug/Kg	U	YES															
2-Nitroaniline	342		ug/Kg	U	YES															
2-Nitrophenol	342		ug/Kg	U	YES															
3 and/or 4-Methylphenol	342		ug/Kg	U	YES															
3-Nitroaniline	342		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	342		ug/Kg	U	YES															
4-Chloro-3-methylphenol	342		ug/Kg	U	YES															
4-Chloroaniline	342		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	342		ug/Kg	U	YES															
4-Nitroaniline	342		ug/Kg	U	YES															
4-Nitrophenol	342		ug/Kg	U	YES															
Acenaphthene	342		ug/Kg	U	YES															
Acenaphthylene	342		ug/Kg	U	YES															
Anthracene	342		ug/Kg	U	YES															
Benzo(a)anthracene	342		ug/Kg	U	YES															
Benzo(a)pyrene	342		ug/Kg	U	YES															
Benzo(b)fluoranthene	342		ug/Kg	U	YES															

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

4713

Sample Qualification Report (All Analytes)

Client Sample ID : E11-109-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879044

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	
Analysis Method : 8270D																					
Dilution: 1																					
Benzo(g,h)perylene	342		ug/Kg	U	YES																
Benzo(k)fluoranthene	342		ug/Kg	U	YES																
Bis(2-Chloroethoxy)methane	342		ug/Kg	U	YES																
Bis(2-Chloroethyl)ether	342		ug/Kg	U	YES																
Bis(2-Chloroisopropyl)ether	342		ug/Kg	U	YES																
Bis(2-Ethylhexyl)phthalate	342		ug/Kg	U	YES																
Butyl benzyl phthalate	342		ug/Kg	U	YES																
Chrysene	342		ug/Kg	U	YES																
Dibenz(a,h)anthracene	342		ug/Kg	U	YES																
Dibenzofuran	342		ug/Kg	U	YES																
Diethyl phthalate	342		ug/Kg	U	YES																
Dimethyl phthalate	342		ug/Kg	U	YES																
Di-n-butyl phthalate	342		ug/Kg	U	YES																
Di-n-octyl phthalate	342		ug/Kg	U	YES																
Fluoranthene	342		ug/Kg	U	YES																
Fluorene	342		ug/Kg	U	YES																
Hexachlorobenzene	342		ug/Kg	U	YES																
Hexachlorobutadiene	342		ug/Kg	U	YES																
Hexachlorocycloperiladinc	342		ug/Kg	U	YES																
Hexachloroethane	342		ug/Kg	U	YES																
Indeno(1,2,3-cd)pyrene	342		ug/Kg	U	YES																
Isophorone	342		ug/Kg	U	YES																
Naphthalene	342		ug/Kg	U	YES																
Nitrobenzene	342		ug/Kg	U	YES																
n-Nitrosodi-n-propylamine	342		ug/Kg	U	YES																
Pentachlorophenol	342		ug/Kg	U	YLU	UU					UU										

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

Library Used: CampCarroll

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

4714

Sample Qualification Report (All Analytes)

Client Sample ID : E11-109-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879044

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
Phenanthrene	342		ug/Kg	U	YES															
Phenol	342		ug/Kg	U	YES															
Pyrene	342		ug/Kg	U	YES															

4715

Sample Qualification Report (All Analytes)

Client Sample ID : E11-110-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879052

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6010C			Dilution: 1																	
Arsenic	4.18		mg/kg			YES														
Arsenic	4.18		mg/kg			YES														
Barium	92.8		mg/kg			YES														
Barium	92.8		mg/kg			YES														
Cadmium	0.591		mg/kg			YES														
Cadmium	0.591		mg/kg			YES														
Chromium	3.95		mg/kg			YES														
Chromium	3.95		mg/kg			YES														
Lead	7.75		mg/kg			YES														
Lead	7.75		mg/kg			YES														
Selenium	1.86		mg/kg	U		YES														
Selenium	1.86		mg/kg	U		YES														
Silver	0.153		mg/kg	J	YES	U				U										
Silver	0.153		mg/kg	J	YES	U				U										
Analysis Method : 7471B			Dilution: 1																	
Mercury	0.0180		mg/kg	U		YES														
Analysis Method : 8081			Dilution: 1																	
4,4'-DDD	10.0		ug/Kg	U	YES															
4,4'-DDD	10.0		ug/Kg	U	YES															
4,4'-DDE	10.0		ug/Kg	U	YES															
4,4'-DDE	10.0		ug/Kg	U	YES															
4,4'-DDT	2.99		ug/Kg	J P	YES	U				U										
4,4'-DDT	2.99		ug/Kg	J P	YES	U				U										
Aldrin	10.0		ug/Kg	U	YES															
Aldrin	10.0		ug/Kg	U	YES															
alpha-DHC	10.0		ug/Kg	U	YES															
alpha-BHC	10.0		ug/Kg	U	YES															

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

4716

Sample Qualification Report (All Analytes)

Client Sample ID : E11-110-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879052

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV	
Analysis Method : 8081																					
Dilution: 1																					
alpha-Chlordane	10.0		ug/Kg	U	YES																
alpha-Chlordane	10.0		ug/Kg	U	YES																
beta-BHC	10.0		ug/Kg	U	YES																
beta-BHC	10.0		ug/Kg	U	YES																
Chlordane	33.4		ug/Kg	U	YES																
Chlordane	33.4		ug/Kg	U	YES																
delta-BHC	10.0		ug/Kg	U	YES																
delta-BHC	10.0		ug/Kg	U	YES																
Dieldrin	10.0		ug/Kg	U	YES																
Dieldrin	10.0		ug/Kg	U	YES																
Endosulfan I	10.0		ug/Kg	U	YES																
Endosulfan I	10.0		ug/Kg	U	YES																
Endosulfan II	10.0		ug/Kg	U	YES																
Endosulfan II	10.0		ug/Kg	U	YES																
Endosulfan sulfate	10.0		ug/Kg	U	YES																
Endosulfan sulfate	10.0		ug/Kg	U	YES																
Endrin	10.0		ug/Kg	U	YES																
Endrin	10.0		ug/Kg	U	YES																
Endrin aldehyde	10.0		ug/Kg	U	YES																
Endrin aldehyde	10.0		ug/Kg	U	YES																
Endrin ketone	10.0		ug/Kg	U	YES																
Endrin ketone	10.0		ug/Kg	U	YES																
gamma-BHC (Lindane)	10.0		ug/Kg	U	YES																
gamma-BHC (Lindane)	10.0		ug/Kg	U	YES																
gamma-Chlordane	10.0		ug/Kg	U	YES																
gamma-Chlordane	10.0		ug/Kg	U	YES																

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

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

4717

Sample Qualification Report (All Analytes)

Client Sample ID : E11-110-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879052

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 1																				
Heplachlor	10.0		ug/Kg	U	YES															
Heplachlor	10.0		ug/Kg	U	YES															
Heplachlor epoxide	10.0		ug/Kg	U	YES															
Heplachlor epoxide	10.0		ug/Kg	U	YES															
Methoxychlor	10.0		ug/Kg	U	YES															
Methoxychlor	10.0		ug/Kg	U	YES															
Toxaphene	33.4		ug/Kg	U	YES															
Toxaphene	33.4		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															
2,4'-D	0.0171		mg/kg	U	YES															
2,4-DB	0.0171		mg/kg	U	YES															
Dicamba	0.0171		mg/kg	U	YES															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.87		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.87		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.87		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.87		ug/Kg	U	YES															
1,1-Dichloroethane	4.87		ug/Kg	U	YES															
1,1-Dichloroethane	4.87		ug/Kg	U	YES															
1,1-Dichloropropene	4.87		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.87		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.87		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.87		ug/Kg	U	YES	UJ						UJ								
1,2,4 Dimethylbenzene	4.87		ug/Kg	U	YES	UJ						UJ								
1,2-Dibromo-3-chloropropane	29.2		ug/Kg	U	YES															

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

4718

Sample Qualification Report (All Analytes)

Client Sample ID : E11-110-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879052

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2-Dibromomethane	4.87		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.87		ug/Kg	U	YES															
1,2-Dichloroethane	4.87		ug/Kg	U	YES															
1,2-Dichloropropane	4.87		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.87		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.87		ug/Kg	U	YES															
1,3-Dichloropropane	4.87		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.87		ug/Kg	U	YES															
2,2-Dichloropropane	4.87		ug/Kg	U	YES															
2-Butanone	24.3		ug/Kg	U	YES															
2-Chlorotoluene	4.87		ug/Kg	U	YES															
2-Hexanone	12.2		ug/Kg	U	YES															
4-Chlorotoluene	4.87		ug/Kg	U	YES															
4-Isopropyltoluene	4.87		ug/Kg	U	YES															
4-Methyl-2-pentanone	12.2		ug/Kg	U	YES															
Acetone	9.08		ug/Kg	J	YES	J					J		J							
Benzene	4.87		ug/Kg	U	YES															
Bromobenzene	4.87		ug/Kg	U	YES															
Bromochloromethane	4.87		ug/Kg	U	YES															
Bromodichloromethane	4.87		ug/Kg	U	YES															
Bromoform	4.87		ug/Kg	U	YES															
Bromomethane	4.87		ug/Kg	U	YES															
Carbon disulfide	4.87		ug/Kg	U	YES															
Carbon tetrachloride	4.87		ug/Kg	U	YES															
Chlorobenzene	4.87		ug/Kg	U	YES															
Chloroethane	4.87		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4719

Sample Qualification Report (All Analytes)

Client Sample ID : E11-110-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879052

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8260B																				
Dilution: 1																				
Chloroform	4.87		ug/Kg	U	YES															
Chloromethane	4.87		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.87		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.87		ug/Kg	U	YES															
Dibromochloromethane	4.87		ug/Kg	U	YES															
Dibromomethane	4.87		ug/Kg	U	YES															
Dichlorodifluoromethane	4.87		ug/Kg	U	YES															
Ethyl Benzene	4.87		ug/Kg	U	YES															
Hexachlorobutadiene	4.87		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.87		ug/Kg	U	YES															
m,p-Xylene	9.74		ug/Kg	U	YES															
Methyl iodide	4.87		ug/Kg	U	YES															
Methylene chloride	1.30		ug/Kg	J	YES	UJ			U					J						
Naphthalene	4.87		ug/Kg	U	YES	UJ					UJ									
n-Butylbenzene	4.87		ug/Kg	U	YES															
n-Propylbenzene	4.87		ug/Kg	U	YES															
o-Xylene	4.87		ug/Kg	U	YES															
sec-Butylbenzene	4.87		ug/Kg	U	YES															
Styrene	4.87		ug/Kg	U	YES	UJ					UJ									
tert-Butyl methyl ether (MTBE)	4.87		ug/Kg	U	YES															
tert-Butylbenzene	4.87		ug/Kg	U	YES															
Tetrachloroethene	4.87		ug/Kg	U	YES															
Toluene	1.29		ug/Kg	J	YES	J								J						
trans-1,2-Dichloroethene	4.87		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.87		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	24.3		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4720

Sample Qualification Report (All Analytes)

Client Sample ID : E11-110-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879052

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
Trichloroethene	4.87		ug/Kg	U	YES															
Trichlorofluoromethane	4.87		ug/Kg	U	YES	UJ					UJ									
Vinyl chloride	4.87		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	335		ug/Kg	U	YES															
1,2-Dichlorobenzene	335		ug/Kg	U	YES															
1,3-Dichlorobenzene	335		ug/Kg	U	YES															
1,4-Dichlorobenzene	335		ug/Kg	U	YES															
2,4,5-Trichlorophenol	335		ug/Kg	U	YES															
2,4,6-Trichlorophenol	335		ug/Kg	U	YES															
2,4-Dichlorophenol	335		ug/Kg	U	YES															
2,4-Dimethylphenol	335		ug/Kg	U	YES															
2,4-Dinitrotoluene	335		ug/Kg	U	YES															
2,6-Dinitrotoluene	335		ug/Kg	U	YES															
2-Chloronaphthalene	335		ug/Kg	U	YES															
2-Chlorophenol	335		ug/Kg	U	YES															
2-Methylnaphthalene	335		ug/Kg	U	YES															
2-Methylphenol	335		ug/Kg	U	YES															
2-Nitroaniline	335		ug/Kg	U	YES															
2-Nitrophenol	335		ug/Kg	U	YES															
3 and/or 4-Methylphenol	335		ug/Kg	U	YES															
3-Nitroaniline	335		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	335		ug/Kg	U	YES															
4-Chloro-3-methylphenol	335		ug/Kg	U	YES															
4-Chloroaniline	335		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	335		ug/Kg	U	YES															
4-Nitroaniline	335		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4721

Sample Qualification Report (All Analytes)

Client Sample ID : E11-110-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879052

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8270D																				
Dilution: 1																				
4-Nitrophenol	335		ug/Kg	U	YES															
Acenaphthene	335		ug/Kg	U	YES															
Acenaphthylene	335		ug/Kg	U	YES															
Anthracene	335		ug/Kg	U	YES															
Benzo(a)anthracene	335		ug/Kg	U	YES															
Benzo(a)pyrene	335		ug/Kg	U	YES															
Benzo(b)fluoranthene	335		ug/Kg	U	YES															
Benzo(g,h,i)perylene	335		ug/Kg	U	YES															
Benzo(k)fluoranthene	335		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	335		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	335		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	335		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	335		ug/Kg	U	YES															
Butyl benzyl phthalate	335		ug/Kg	U	YES															
Chrysene	335		ug/Kg	U	YES															
Dibenz(a,h)anthracene	335		ug/Kg	U	YES															
Dibenzofuran	335		ug/Kg	U	YES															
Diethyl phthalate	335		ug/Kg	U	YES															
Dimethyl phthalate	335		ug/Kg	U	YES															
Di-n-butyl phthalate	335		ug/Kg	U	YES															
Di-n-octyl phthalate	335		ug/Kg	U	YES															
Fluoranthene	335		ug/Kg	U	YES															
Fluorene	335		ug/Kg	U	YES															
Hexachlorobenzene	335		ug/Kg	U	YES															
Hexachlorobutadiene	335		ug/Kg	U	YES															
Hexachlorocyclopentadiene	335		ug/Kg	U	YES															

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

47 22

Sample Qualification Report (All Analytes)

Client Sample ID : E11-110-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879052

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8270D		Dilution: 1																		
Hexachloroethane	335		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	335		ug/Kg	U	YES															
Isophorone	335		ug/Kg	U	YES															
Naphthalene	335		ug/Kg	U	YES															
Nitrobenzene	335		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	335		ug/Kg	U	YES															
Pentachlorophenol	335		ug/Kg	U	YES	UJ					UJ									
Phenanthrene	335		ug/Kg	U	YES															
Phenol	335		ug/Kg	U	YES															
Pyrene	335		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4793

Sample Qualification Report (All Analytes)

Client Sample ID : E11-111-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879038

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 6010C			Dilution: 1																	
Arsenic	2.96		mg/kg		YES															
Barium	86.1		mg/kg		YES															
Cadmium	0.543		mg/kg		YES	U							U							
Chromium	1.57		mg/kg		YES															
Lead	4.70		mg/kg		YES	J							J							
Selenium	2.06		mg/kg	U	YES															
Silver	0.362		mg/kg	J	YES	U							U							
Analysis Method : 7471B			Dilution: 1																	
Mercury	0.0195		mg/kg	U	YES															
Analysis Method : 8081			Dilution: 1																	
4,4'-DDD	9.93		ug/kg	U	YES															
4,4'-DDD	9.93		ug/kg	U	YES															
4,4'-DDE	9.93		ug/kg	U	YES															
4,4'-DDE	9.93		ug/kg	U	YES															
4,4'-DDT	9.93		ug/kg	U	YES															
4,4'-DDT	9.93		ug/kg	U	YES															
Aldrin	9.93		ug/kg	U	YES															
Aldrin	9.93		ug/kg	U	YES															
alpha-Dl IC	9.93		ug/kg	U	YES															
alpha-BHC	9.93		ug/kg	U	YES															
alpha-Chlordane	9.93		ug/kg	U	YES															
alpha-Chlordane	9.93		ug/kg	U	YES															
beta-BHC	9.93		ug/kg	U	YES															
beta-BHC	9.93		ug/kg	U	YES															
Chlordane	33.1		ug/kg	U	YES															
Chlordane	33.1		ug/kg	U	YES															
delta-BHC	9.93		ug/kg	U	YES															

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

Library Used: CampCarroll

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

4724

Sample Qualification Report (All Analytes)

Client Sample ID : E11-111-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879038

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8081		Dilution: 1																		
delta-BHC	9.93		ug/Kg	U	YES															
Dieldrin	9.93		ug/Kg	U	YES															
Dieldrin	9.93		ug/Kg	U	YES															
Endosulfan I	9.93		ug/Kg	U	YES															
Endosulfan I	9.93		ug/Kg	U	YES															
Endosulfan II	9.93		ug/Kg	U	YES															
Endosulfan II	9.93		ug/Kg	U	YES															
Endosulfan sulfate	9.93		ug/Kg	U	YES															
Endosulfan sulfate	9.93		ug/Kg	U	YES															
Endrin	9.93		ug/Kg	U	YES															
Endrin	9.93		ug/Kg	U	YES															
Endrin aldehyde	9.93		ug/Kg	U	YES															
Endrin aldehyde	9.93		ug/Kg	U	YES															
Endrin kelone	9.93		ug/Kg	U	YES															
Endrin kelone	9.93		ug/Kg	U	YES															
gamma-BHC (Lindane)	9.93		ug/Kg	U	YES															
gamma-BHC (Lindane)	9.93		ug/Kg	U	YES															
gamma-Chlordane	9.93		ug/Kg	U	YES															
gamma-Chlordane	9.93		ug/Kg	U	YCC															
Heptachlor	9.93		ug/Kg	U	YES															
Heptachlor	9.93		ug/Kg	U	YES															
Heptachlor epoxide	9.93		ug/Kg	U	YES															
Heptachlor epoxide	9.93		ug/Kg	U	YES															
Methoxychlor	9.93		ug/Kg	U	YES															
Methoxychlor	9.93		ug/Kg	U	YES															
Toxaphene	33.1		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4725

Sample Qualification Report (All Analytes)

Client Sample ID : E11-111-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879038

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8081					Dilution: 1															
Toxaphene	33.1		ug/Kg	U	YES															
Analysis Method : 8151					Dilution: 1															
2,4,5-T	0.0162		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0162		mg/kg	U	YES															
2,4'-D	0.0162		mg/kg	U	YES															
2,4-DB	0.0162		mg/kg	U	YES															
Dicamba	0.0162		mg/kg	U	YES															
Analysis Method : 8260B					Dilution: 1															
1,1,1,2-Tetrachloroethane	4.35		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.35		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.35		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.35		ug/Kg	U	YES															
1,1-Dichloroethane	4.35		ug/Kg	U	YES															
1,1-Dichloroethene	4.35		ug/Kg	U	YES															
1,1-Dichloropropene	4.35		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.35		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.35		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.35		ug/Kg	U	YES															
1,2,4-Trimethylbenzene	4.35		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	26.1		ug/Kg	U	YES															
1,2-Dibromoethane	4.35		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.35		ug/Kg	U	YES															
1,2-Dichloroethane	4.35		ug/Kg	U	YES															
1,2-Dichloropropane	4.35		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.35		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.35		ug/Kg	U	YLU															
1,3-Dichloropropane	4.35		ug/Kg	U	YES															

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

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

4726

Sample Qualification Report (All Analytes)

Client Sample ID : E11-111-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879038

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,4-Dichlorobenzene	4.35		ug/Kg	U	YES															
2,2-Dichloropropane	4.35		ug/Kg	U	YES															
2-Butanone	21.8		ug/Kg	U	YES															
2-Chlorotoluene	4.35		ug/Kg	U	YES															
2-Hexanone	10.9		ug/Kg	U	YES															
4-Chlorotoluene	4.35		ug/Kg	U	YES															
4-Isopropyltoluene	4.35		ug/Kg	U	YES															
4-Methyl-2-pentanone	10.9		ug/Kg	U	YES															
Acetone	43.5		ug/Kg	U	YES															
Benzene	4.35		ug/Kg	U	YES															
Bromobenzene	4.35		ug/Kg	U	YES															
Bromochloromethane	4.35		ug/Kg	U	YES															
Bromodichloromethane	4.35		ug/Kg	U	YES															
Bromoform	4.35		ug/Kg	U	YES															
Bromomethane	4.35		ug/Kg	U	YES															
Carbon disulfide	4.35		ug/Kg	U	YES															
Carbon tetrachloride	4.35		ug/Kg	U	YES															
Chlorobenzene	4.35		ug/Kg	U	YES															
Chloroethane	4.35		ug/Kg	U	YES															
Chloroform	4.35		ug/Kg	U	YES															
Chloromethane	4.35		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.35		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.35		ug/Kg	U	YES															
Dibromochloromethane	4.35		ug/Kg	U	YES															
Dibromomethane	4.35		ug/Kg	U	YES															
Dichlorodifluoromethane	4.35		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4727

Sample Qualification Report (All Analytes)

Client Sample ID : E11-111-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879038

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8260B																				
Dilution: 1																				
Ethyl Benzene	4.35		ug/Kg	U	YES															
Hexachlorobutadiene	4.35		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.35		ug/Kg	U	YES															
m,p-Xylene	8.71		ug/Kg	U	YES															
Methyl iodide	4.35		ug/Kg	U	YES															
Methylene chloride	0.862		ug/Kg	J	YES															
Naphthalene	4.35		ug/Kg	U	YES															
n-Butylbenzene	4.35		ug/Kg	U	YES															
n-Propylbenzene	4.35		ug/Kg	U	YES															
o-Xylene	4.35		ug/Kg	U	YES															
sec-Butylbenzene	4.35		ug/Kg	U	YES															
Styrene	4.35		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	4.35		ug/Kg	U	YES															
tert-Butylbenzene	4.35		ug/Kg	U	YES															
Tetrachloroethene	4.35		ug/Kg	U	YES															
Toluene	4.35		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.35		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.35		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	21.8		ug/Kg	U	YES															
Trichloroethene	4.35		ug/Kg	U	YES															
Trichlorofluoromethane	4.35		ug/Kg	U	YES															
Vinyl chloride	4.35		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	335		ug/Kg	U	YES															
1,2-Dichlorobenzene	335		ug/Kg	U	YES															
1,3-Dichlorobenzene	335		ug/Kg	U	YES															
1,4-Dichlorobenzene	335		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4728

Sample Qualification Report (All Analytes)

Client Sample ID : E11-111-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879038

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV	
Analysis Method : 8270D																					
Dilution: 1																					
2,4,5-Trichlorophenol	335		ug/Kg	U	YES																
2,4,6-Trichlorophenol	335		ug/Kg	U	YES																
2,4-Dichlorophenol	335		ug/Kg	U	YES																
2,4-Dimethylphenol	335		ug/Kg	U	YES																
2,4-Dinitrotoluene	335		ug/Kg	U	YES																
2,6-Dinitrotoluene	335		ug/Kg	U	YES																
2-Chloronaphthalene	335		ug/Kg	U	YES																
2-Chlorophenol	335		ug/Kg	U	YES																
2-Methylnaphthalene	335		ug/Kg	U	YES																
2-Methylphenol	335		ug/Kg	U	YES																
2-Nitroaniline	335		ug/Kg	U	YES																
2-Nitrophenol	335		ug/Kg	U	YES																
3 and/or 4-Methylphenol	335		ug/Kg	U	YES																
3-Nitroaniline	335		ug/Kg	U	YES																
4-Bromophenyl phenyl ether	335		ug/Kg	U	YES																
4-Chloro-3-methylphenol	335		ug/Kg	U	YES																
4-Chloroaniline	335		ug/Kg	U	YES																
4-Chlorophenyl phenyl ether	335		ug/Kg	U	YES																
4-Nitroaniline	335		ug/Kg	U	YES																
4-Nitrophenol	335		ug/Kg	U	YES																
Acenaphthene	335		ug/Kg	U	YES																
Acenaphthylene	335		ug/Kg	U	YES																
Anthracene	335		ug/Kg	U	YES																
Benzo(a)anthracene	335		ug/Kg	U	YES																
Benzo(a)pyrene	335		ug/Kg	U	YES																
Benzo(b)fluoranthene	335		ug/Kg	U	YES																

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

Library Used: CampCarroll

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

4729

Sample Qualification Report (All Analytes)

Client Sample ID : E11-111-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879038

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date : _____ Approved By / Date : _____

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	
Analysis Method : 8270D																					
Dilution: 1																					
Benzo(g,h,i)perylene	335		ug/Kg	U	YES																
Benzo(k)fluoranthene	335		ug/Kg	U	YES																
Bis(2-Chloroethoxy)methane	335		ug/Kg	U	YES																
Bis(2-Chloroethyl)ether	335		ug/Kg	U	YES																
Bis(2-Chloroisopropyl)ether	335		ug/Kg	U	YES																
Bis(2-Ethylhexyl)phthalate	335		ug/Kg	U	YES																
Butyl benzyl phthalate	335		ug/Kg	U	YES																
Chrysene	335		ug/Kg	U	YES																
Dibenz(a,h)anthracene	335		ug/Kg	U	YES																
Dibenzofuran	335		ug/Kg	U	YES																
Diethyl phthalate	335		ug/Kg	U	YES																
Dimethyl phthalate	335		ug/Kg	U	YES																
Di-n-butyl phthalate	335		ug/Kg	U	YES																
Di-n-octyl phthalate	335		ug/Kg	U	YES																
Fluoranthene	335		ug/Kg	U	YES																
Fluorene	335		ug/Kg	U	YES																
Hexachlorobenzene	335		ug/Kg	U	YES																
Hexachlorobutadiene	335		ug/Kg	U	YES																
Hexachlorocyclopentadiene	335		ug/Kg	U	YES																
Hexachloroethane	335		ug/Kg	U	YES																
Indeno(1,2,3-cd)pyrene	335		ug/Kg	U	YES																
Isophorone	335		ug/Kg	U	YES																
Naphthalene	335		ug/Kg	U	YES																
Nitrobenzene	335		ug/Kg	U	YES																
n-Nitrosodi n-propylamine	335		ug/Kg	U	YES																
Pentachlorophenol	335		ug/Kg	U	YFA																

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

Library Used: CampCarroll

Report Date: 9/6/2011 08:22

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

4730

Sample Qualification Report (All Analytes)

Client Sample ID : E11-111-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879038

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist To/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8270D		Dilution: 1																		
Phenanthrene	335		ug/Kg	U	YES															
Phenol	335		ug/Kg	U	YES															
Pyrene	335		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4731

Sample Qualification Report (All Analytes)

Client Sample ID : E11-112-S1
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879008

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surf	Rep Limit	Moist ToUDis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 6010C																				
Dilution: 1																				
Arsenic	1.98		mg/kg		YES	J						J								
Barium	98.3		mg/kg		YES	J						J								
Cadmium	0.515		mg/kg		YES	UJ			U			J								
Chromium	1.44		mg/kg		YES	U			U											
Lead	6.12		mg/kg		YES	J						J								
Selenium	1.91		mg/kg	U	YES															
Silver	0.328		mg/kg	J	YES	U			U											
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.0210		mg/kg	U	YES															
Analysis Method : 8081																				
Dilution: 1																				
4,4'-DDD	9.85		ug/kg	U	YES															
4,4'-DDD	9.85		ug/kg	U	YES															
4,4'-DDE	9.85		ug/kg	U	YES															
4,4'-DDE	9.85		ug/kg	U	YES															
4,4'-DDT	1.76		ug/kg	JP	YES	U			U											
4,4'-DDT	1.76		ug/kg	JP	YES	U			U											
Aldrin	9.85		ug/kg	U	YES															
Aldrin	9.85		ug/kg	U	YES															
alpha-BHC	9.85		ug/kg	U	YES															
alpha-BHC	9.85		ug/kg	U	YES															
alpha-Chlordane	9.85		ug/kg	U	YES															
alpha-Chlordane	9.85		ug/kg	U	YES															
beta-BHC	9.85		ug/kg	U	YES															
beta-BHC	9.85		ug/kg	U	YES															
Chlordane	32.8		ug/kg	U	YES															
Chlordane	32.8		ug/kg	U	YES															
delta-BHC	9.85		ug/kg	U	YES															

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

Library Used: CampCarroll

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

4732

Sample Qualification Report (All Analytes)

Client Sample ID : E11-112-S1
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879008

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8081																				
Dilution: 1																				
delta-BHC	9.85		ug/Kg	U	YES															
Dieldrin	9.85		ug/Kg	U	YES															
Dieldrin	9.85		ug/Kg	U	YES															
Endosulfan I	9.85		ug/Kg	U	YES															
Endosulfan I	9.85		ug/Kg	U	YES															
Endosulfan II	9.85		ug/Kg	U	YES															
Endosulfan II	9.85		ug/Kg	U	YES															
Endosulfan sulfate	9.85		ug/Kg	U	YES															
Endosulfan sulfate	9.85		ug/Kg	U	YES															
Endrin	9.85		ug/Kg	U	YES															
Endrin	9.85		ug/Kg	U	YES															
Endrin aldehyde	9.85		ug/Kg	U	YES															
Endrin aldehyde	9.85		ug/Kg	U	YES															
Endrin ketone	9.85		ug/Kg	U	YES															
Endrin ketone	9.85		ug/Kg	U	YES															
gamma-BHC (Lindane)	9.85		ug/Kg	U	YES															
gamma-BHC (Lindane)	9.85		ug/Kg	U	YES															
gamma-Chlordane	9.85		ug/Kg	U	YES															
gamma-Chlordane	9.85		ug/Kg	U	YES															
Heptachlor	9.85		ug/Kg	U	YES															
Heptachlor	0.86		ug/Kg	U	YES															
Heptachlor epoxide	9.85		ug/Kg	U	YES															
Heptachlor epoxide	9.85		ug/Kg	U	YES															
Methoxychlor	9.85		ug/Kg	U	YES															
Methoxychlor	9.85		ug/Kg	U	YES															
Toxaphene	32.8		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

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

4733

Sample Qualification Report (All Analytes)

Client Sample ID : E11-112-S1
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879008

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081				Dilution: 1																
Toxaphene	32.8		ug/Kg	U	YES															
Analysis Method : 8151				Dilution: 1																
2,4,5-T	0.0164		mg/kg	U	YES															
2,4,5-T	0.0164		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0164		mg/kg	U	YES	UJ					UJ									
2,4,5-TP (Silvex)	0.0164		mg/kg	U	YES	UJ					UJ									
2,4-D	0.0164		mg/kg	U	YES	UJ					UJ									
2,4-D	0.0164		mg/kg	U	YES	UJ					UJ									
2,4-DB	0.0164		mg/kg	U	YES															
2,4-DB	0.0164		mg/kg	U	YES															
Dicamba	0.0164		mg/kg	U	YES															
Dicamba	0.0164		mg/kg	U	YES															
Analysis Method : 8260B				Dilution: 1																
1,1,1,2-Tetrachloroethane	4.38		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.38		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.38		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.38		ug/Kg	U	YES															
1,1-Dichloroethane	4.38		ug/Kg	U	YES	UJ					UJ									
1,1-Dichloroethene	4.38		ug/Kg	U	YES															
1,1-Dichloropropene	4.38		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.38		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.38		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.38		ug/Kg	U	YES															
1,2,4-Trimethylbenzene	4.38		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	26.3		ug/Kg	U	YES															
1,2-Dibromoethane	4.38		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.38		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4734

Sample Qualification Report (All Analytes)

Client Sample ID : E11-112-S1
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879008

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2-Dichloroethane	4.38		ug/Kg	U	YES															
1,2-Dichloropropane	4.38		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.38		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.38		ug/Kg	U	YES															
1,3-Dichloropropane	4.38		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.38		ug/Kg	U	YES															
2,2-Dichloropropane	4.38		ug/Kg	U	YES															
2-Butanone	21.9		ug/Kg	U	YES															
2-Chlorotoluene	4.38		ug/Kg	U	YES															
2-Hexanone	10.9		ug/Kg	U	YES															
4-Chlorotoluene	4.38		ug/Kg	U	YES															
4-Isopropyltoluene	4.38		ug/Kg	U	YES															
4-Methyl-2-pentanone	10.9		ug/Kg	U	YES															
Acetone	9.11		ug/Kg	J	YES															
Benzene	4.38		ug/Kg	U	YES															
Bromobenzene	4.38		ug/Kg	U	YES															
Bromochloromethane	4.38		ug/Kg	U	YES															
Bromodichloromethane	4.38		ug/Kg	U	YES															
Bromoform	4.38		ug/Kg	U	YES															
Bromomethane	4.38		ug/Kg	U	YES															
Carbon disulfide	4.38		ug/Kg	U	YFR															
Carbon tetrachloride	4.38		ug/Kg	U	YES															
Chlorobenzene	4.38		ug/Kg	U	YES															
Chloroethane	4.38		ug/Kg	U	YES															
Chloroform	4.38		ug/Kg	U	YES															
Chloromethane	4.38		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4735

Sample Qualification Report (All Analytes)

Client Sample ID : E11-112-S1
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879008

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8260B																				
Dilution: 1																				
cis-1,2-Dichloroethene	4.38		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.38		ug/Kg	U	YES															
Dibromochloromethane	4.38		ug/Kg	U	YES															
Dibromomethane	4.38		ug/Kg	U	YES															
Dichlorodifluoromethane	4.38		ug/Kg	U	YES															
Ethyl Benzene	4.38		ug/Kg	U	YES															
Hexachlorobutadiene	4.38		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.38		ug/Kg	U	YES															
m,p-Xylene	8.75		ug/Kg	U	YES															
Methyl iodide	4.38		ug/Kg	U	YES															
Methylene chloride	17.5		ug/Kg	U	YES															
Naphthalene	4.38		ug/Kg	U	YES															
n-Butylbenzene	4.38		ug/Kg	U	YES															
n-Propylbenzene	4.38		ug/Kg	U	YES															
o-Xylene	4.38		ug/Kg	U	YES															
sec-Butylbenzene	4.38		ug/Kg	U	YES															
Styrene	4.38		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	4.38		ug/Kg	U	YES															
tert-Butylbenzene	4.38		ug/Kg	U	YES															
Tetrachloroethene	4.38		ug/Kg	U	YES															
Toluene	1.65		ug/Kg	J	YFR															
trans-1,2-Dichloroethene	4.38		ug/Kg	U	YES	UU														
trans-1,3-Dichloropropene	4.38		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	21.9		ug/Kg	U	YES															
Trichloroethene	4.38		ug/Kg	U	YES															
Trichlorofluoromethane	4.38		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4736

Sample Qualification Report (All Analytes)

Client Sample ID : E11-112-S1
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879008

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8260B					Dilution: 1															
Vinyl chloride	4.38		ug/Kg	U	YES															
Analysis Method : 8270D					Dilution: 1															
1,2,4-Trichlorobenzene	326		ug/Kg	U	YES															
1,2-Dichlorobenzene	326		ug/Kg	U	YES															
1,3-Dichlorobenzene	326		ug/Kg	U	YES															
1,4-Dichlorobenzene	326		ug/Kg	U	YES															
2,4,5-Trichlorophenol	326		ug/Kg	U	YES															
2,4,6-Trichlorophenol	326		ug/Kg	U	YES															
2,4-Dichlorophenol	326		ug/Kg	U	YES															
2,4-Dimethylphenol	326		ug/Kg	U	YES															
2,4-Dinitrotoluene	326		ug/Kg	U	YES															
2,6-Dinitrotoluene	326		ug/Kg	U	YES															
2-Chloronaphthalene	326		ug/Kg	U	YES															
2-Chlorophenol	326		ug/Kg	U	YES															
2-Methylnaphthalene	326		ug/Kg	U	YES															
2-Methylphenol	326		ug/Kg	U	YES															
2-Nitroaniline	326		ug/Kg	U	YES															
2-Nitrophenol	326		ug/Kg	U	YES															
3 and/or 4-Methylphenol	326		ug/Kg	U	YES															
3-Nitroaniline	326		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	326		ug/Kg	U	YES															
4-Chloro-3-methylphenol	326		ug/Kg	U	YES															
4-Chloroaniline	326		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	326		ug/Kg	U	YES															
4-Nitroaniline	326		ug/Kg	U	YES															
4-Nitrophenol	326		ug/Kg	U	YES															
Acenaphthylene	326		ug/Kg	U	YLU															

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

Library Used: CampCarroll

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

4737

Sample Qualification Report (All Analytes)

Client Sample ID : E11-112-S1
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879008

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8270D																				
Dilution: 1																				
Acenaphthylene	326		ug/Kg	U	YES															
Anthracene	326		ug/Kg	U	YES															
Benzo(a)anthracene	326		ug/Kg	U	YES															
Benzo(a)pyrene	326		ug/Kg	U	YES															
Benzo(b)fluoranthene	326		ug/Kg	U	YES															
Benzo(g,h,i)perylene	326		ug/Kg	U	YES															
Benzo(k)fluoranthene	326		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	326		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	326		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	326		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	326		ug/Kg	U	YES															
Butyl benzyl phthalate	326		ug/Kg	U	YES															
Chrysene	326		ug/Kg	U	YES															
Dibenz(a,h)anthracene	326		ug/Kg	U	YES															
Dibenzofuran	326		ug/Kg	U	YES															
Diethyl phthalate	326		ug/Kg	U	YES															
Dimethyl phthalate	326		ug/Kg	U	YES															
Di-n-butyl phthalate	326		ug/Kg	U	YES															
Di-n-octyl phthalate	326		ug/Kg	U	YES															
Fluoranthene	326		ug/Kg	U	YES															
Fluorene	326		ug/Kg	U	YES															
Hexachlorobenzene	326		ug/Kg	U	YES															
Hexachlorobutadiene	326		ug/Kg	U	YES															
Hexachlorocyclopentadiene	326		ug/Kg	U	YES															
Hexachloroethane	326		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	326		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4738

Sample Qualification Report (All Analytes)

Client Sample ID : E11-112-S1
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879008

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8270D																				
Dilution: 1																				
Isophorone	326		ug/Kg	U	YES															
Naphthalene	326		ug/Kg	U	YES															
Nitrobenzene	326		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	326		ug/Kg	U	YES															
Pentachlorophenol	326		ug/Kg	U	YES															
Phenanthrene	326		ug/Kg	U	YES															
Phenol	326		ug/Kg	U	YES															
Pyrene	326		ug/Kg	U	YES															

4739

Sample Qualification Report (All Analytes)

Client Sample ID : E11-112-S2
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879009

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dls	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6010C				Dilution: 1																
Arsenic	1.34		mg/kg		YES	J						J								
Barium	81.5		mg/kg		YES	J						J								
Cadmium	0.477		mg/kg	J	YES	UJ			U			J								
Chromium	1.99		mg/kg		YES															
Lead	4.88		mg/kg		YES	J						J								
Selenium	2.17		mg/kg	U	YES															
Silver	0.276		mg/kg	J	YES	U			U											
Analysis Method : 7471B				Dilution: 1																
Mercury	0.0205		mg/kg	U	YES															
Analysis Method : 8081				Dilution: 1																
4,4'-DDD	10.1		ug/kg	U	YES															
4,4'-DDD	10.1		ug/kg	U	YES															
4,4'-DDE	10.1		ug/kg	U	YES															
4,4'-DDE	10.1		ug/kg	U	YES															
4,4'-DDT	1.29		ug/kg	J P	YES	U			U											
4,4'-DDT	1.29		ug/kg	J P	YES	U			U											
Aldrin	10.1		ug/kg	U	YES															
Aldrin	10.1		ug/kg	U	YES															
alpha-BHC	10.1		ug/kg	U	YES															
alpha-BHC	10.1		ug/kg	U	YES															
alpha-Chlordane	10.1		ug/kg	U	YES															
alpha-Chlordane	10.1		ug/kg	U	YES															
beta-BHC	10.1		ug/kg	U	YES															
beta-BHC	10.1		ug/kg	U	YES															
Chlordane	33.5		ug/kg	U	YES															
Chlordane	33.5		ug/kg	U	YES															
delta-BHC	10.1		ug/kg	U	YES															

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

Library Used: CampCarroll

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

4740

Sample Qualification Report (All Analytes)

Client Sample ID : E11-112-S2

Lab Report Batch : 31101879

Lab ID : SGSW

Sample Date : 07/14/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879009

Reviewed By / Date :

Approved By / 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	10.1		ug/Kg	U	YES															
Dieldrin	10.1		ug/Kg	U	YES															
Dieldrin	10.1		ug/Kg	U	YES															
Endosulfan I	10.1		ug/Kg	U	YES															
Endosulfan I	10.1		ug/Kg	U	YES															
Endosulfan II	10.1		ug/Kg	U	YES															
Endosulfan II	10.1		ug/Kg	U	YES															
Endosulfan sulfate	10.1		ug/Kg	U	YES															
Endosulfan sulfate	10.1		ug/Kg	U	YES															
Endrin	10.1		ug/Kg	U	YES															
Endrin	10.1		ug/Kg	U	YES															
Endrin aldehyde	10.1		ug/Kg	U	YES															
Endrin aldehyde	10.1		ug/Kg	U	YES															
Endrin ketone	10.1		ug/Kg	U	YES															
Endrin ketone	10.1		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.1		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.1		ug/Kg	U	YES															
gamma-Chlordane	10.1		ug/Kg	U	YES															
gamma-Chlordane	10.1		ug/Kg	U	YES															
Heptachlor	10.1		ug/Kg	U	YES															
Heptachlor	10.1		ug/Kg	U	YES															
Heptachlor epoxide	10.1		ug/Kg	U	YES															
Heptachlor epoxide	10.1		ug/Kg	U	YES															
Methoxychlor	10.1		ug/Kg	U	YFR															
Methoxychlor	10.1		ug/Kg	U	YES															
1-naphthene	33.5		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/5/2011 08:22

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

4741

Sample Qualification Report (All Analytes)

Client Sample ID : E11-112-S2

Lab Report Batch : 31101879

Lab ID : SGSW

Sample Date : 07/14/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879009

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8081				Dilution: 1																
Toxaphene	33.5		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	4.46		ug/kg	U	YES															
1,1,1-Trichloroethane	4.46		ug/kg	U	YES															
1,1,2,2-Tetrachloroethane	4.46		ug/kg	U	YES															
1,1,2-Trichloroethane	4.46		ug/kg	U	YES															
1,1-Dichloroethane	4.46		ug/kg	U	YES	UJ						UJ								
1,1-Dichloroethene	4.46		ug/kg	U	YES															
1,1-Dichloropropene	4.46		ug/kg	U	YES															
1,2,3-Trichlorobenzene	4.46		ug/kg	U	YES															
1,2,3-Trichloropropane	4.46		ug/kg	U	YES															
1,2,4-Trichlorobenzene	4.46		ug/kg	U	YES															
1,2,4-Trimethylbenzene	4.46		ug/kg	U	YES															
1,2-Dibromo-3-chloropropane	26.7		ug/kg	U	YES															
1,2-Dibromoethane	4.46		ug/kg	U	YES															
1,2-Dichlorobenzene	4.46		ug/kg	U	YCG															
1,2-Dichloroethane	4.46		ug/kg	U	YES															
1,2-Dichloropropane	4.46		ug/kg	U	YFR															
1,3,5-Trimethylbenzene	4.46		ug/kg	U	YES															
1,3-Dichlorobenzene	4.46		ug/kg	U	YES															
1,3-Dichloropropane	4.46		ug/kg	U	YES															

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

4742

Sample Qualification Report (All Analytes)

Client Sample ID : E11-112-S2
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879009

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,4-Dichlorobenzene	4.46		ug/Kg	U	YES															
2,2-Dichloropropane	4.46		ug/Kg	U	YES															
2-Butanone	22.3		ug/Kg	U	YES															
2-Chlorotoluene	4.46		ug/Kg	U	YES															
2-Hexanone	11.1		ug/Kg	U	YES															
4-Chlorotoluene	4.46		ug/Kg	U	YES															
4-Isopropyltoluene	4.46		ug/Kg	U	YES															
4-Methyl-2-pentanone	11.1		ug/Kg	U	YES															
Acetone	8.16		ug/Kg	J	YES															
Benzene	4.46		ug/Kg	U	YES															
Bromobenzene	4.46		ug/Kg	U	YES															
Bromochloromethane	4.46		ug/Kg	U	YES															
Bromodichloromethane	4.46		ug/Kg	U	YES															
Bromoform	4.46		ug/Kg	U	YES															
Bromomethane	4.46		ug/Kg	U	YES															
Carbon disulfide	4.46		ug/Kg	U	YES															
Carbon tetrachloride	4.46		ug/Kg	U	YES															
Chlorobenzene	4.46		ug/Kg	U	YES															
Chloroethane	4.46		ug/Kg	U	YES															
Chloroform	4.46		ug/Kg	U	YES															
Chloromethane	4.46		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.46		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.46		ug/Kg	U	YES															
Dibromochloromethane	4.46		ug/Kg	U	YES															
Dibromomethane	4.46		ug/Kg	U	YES															
Dichlorodifluoromethane	4.46		ug/Kg	U	YES															

Project Number and Name: 11-032E - 11-032E Carroll Agent Orange
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* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

4743

Sample Qualification Report (All Analytes)

Client Sample ID : E11-112-S2
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879009

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist To/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
Ethyl Benzene	4.46		ug/Kg	U	YES															
Hexachlorobutadiene	4.46		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.46		ug/Kg	U	YES															
m,p-Xylene	8.91		ug/Kg	U	YES															
Methyl iodide	4.46		ug/Kg	U	YES															
Methylene chloride	1.98		ug/Kg	J	YES	U			U											
Naphthalene	4.46		ug/Kg	U	YES															
n-Butylbenzene	4.46		ug/Kg	U	YES															
n-Propylbenzene	4.46		ug/Kg	U	YES															
o-Xylene	4.46		ug/Kg	U	YES															
sec-Butylbenzene	4.46		ug/Kg	U	YES															
Styrene	4.46		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	4.46		ug/Kg	U	YES															
tert-Butylbenzene	4.46		ug/Kg	U	YES															
Tetrachloroethene	4.46		ug/Kg	U	YES															
Toluene	4.49		ug/Kg		YES															
trans-1,2-Dichloroethene	4.46		ug/Kg	U	YES	UU				UU										
trans-1,3-Dichloropropene	4.46		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	22.3		ug/Kg	U	YES															
Trichloroethene	4.46		ug/Kg	U	YES															
Trichlorofluoromethane	4.46		ug/Kg	U	YES															
Vinyl chloride	4.46		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	330		ug/Kg	U	YES															
1,4-Dichlorobenzene	336		ug/Kg	U	YES															

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

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

4744

Sample Qualification Report (All Analytes)

Client Sample ID : E11-112-S2
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879009

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/DIs	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
2,4,5-Trichlorophenol	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															

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

4745

Sample Qualification Report (All Analytes)

Client Sample ID : E11-112-S2
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879009

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8270D						Dilution: 1														
Benzo(g,h,i)perylene	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															

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

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

4746

Sample Qualification Report (All Analytes)

Client Sample ID : E11-112-S2
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879009

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8270D		Dilution: 1																		
Phenanthrene	336		ug/Kg	U	YES															
Phenol	336		ug/Kg	U	YES															
Pyrene	336		ug/Kg	U	YES															

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

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

4747

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S1
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879018

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 6010C																				
Dilution: 1																				
Arsenic	2.69		mg/kg		YES	J						J								
Barium	72.6		mg/kg		YES	J						J								
Cadmium	0.613		mg/kg		YES	UJ			U			J								
Chromium	3.53		mg/kg		YES															
Lead	16.1		mg/kg		YES	J						J								
Selenium	1.83		mg/kg	U	YES															
Silver	0.189		mg/kg	J	YES	U			U											
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.0180		mg/kg	U	YES															
Analysis Method : 8081																				
Dilution: 1																				
4,4'-DDD	10.1		ug/Kg	U	YES															
4,4'-DDD	10.1		ug/Kg	U	YES															
4,4'-DDE	10.1		ug/Kg	U	YES															
4,4'-DDE	10.1		ug/Kg	U	YES															
4,4'-DDT	0.532		ug/Kg	J P	YES	U			U											
4,4'-DDT	0.532		ug/Kg	J P	YES	U			U											
Aldrin	10.1		ug/Kg	U	YES															
Aldrin	10.1		ug/Kg	U	YES															
alpha-BHC	10.1		ug/Kg	U	YES															
alpha-BHC	10.1		ug/Kg	U	YES															
alpha-Chlordane	10.1		ug/Kg	U	YES															
alpha-Chlordane	10.1		ug/Kg	U	YES															
beta-BHC	10.1		ug/Kg	U	YES															
beta-BHC	10.1		ug/Kg	U	YES															
Chlordane	33.5		ug/Kg	U	YES															
Chlordane	33.5		ug/Kg	U	YES															
delta-BHC	10.1		ug/Kg	U	YES															

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

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

4748

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S1
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879018

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 1																				
delta-BHC	10.1		ug/Kg	U	YES															
Dieldrin	10.1		ug/Kg	U	YES															
Dieldrin	10.1		ug/Kg	U	YES															
Endosulfan I	10.1		ug/Kg	U	YES															
Endosulfan I	10.1		ug/Kg	U	YES															
Endosulfan II	10.1		ug/Kg	U	YES															
Endosulfan II	10.1		ug/Kg	U	YES															
Endosulfan sulfate	10.1		ug/Kg	U	YES															
Endosulfan sulfate	10.1		ug/Kg	U	YES															
Endrin	10.1		ug/Kg	U	YES															
Endrin	10.1		ug/Kg	U	YES															
Endrin aldehyde	10.1		ug/Kg	U	YES															
Endrin aldehyde	10.1		ug/Kg	U	YES															
Endrin ketone	10.1		ug/Kg	U	YES															
Endrin ketone	10.1		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.1		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.1		ug/Kg	U	YES															
gamma-Chlordane	10.1		ug/Kg	U	YES															
gamma-Chlordane	10.1		ug/Kg	U	YES															
Heptachlor	10.1		ug/Kg	U	YES															
Heptachlor	10.1		ug/Kg	U	YES															
Heptachlor epoxide	10.1		ug/Kg	U	YES															
Heptachlor epoxide	10.1		ug/Kg	U	YES															
Methoxychlor	10.1		ug/Kg	U	YES															
Methoxychlor	10.1		ug/Kg	U	YES															
Toxaphene	33.5		ug/Kg	U	YES															

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

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

4749

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S1
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879018

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dls	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8081 Dilution: 1																				
Toxaphene	33.5		ug/Kg	U	YES															
Analysis Method : 8151 Dilution: 1																				
2,4,5-T	0.0168		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0168		mg/kg	U	YES	UJ						UJ								
2,4'-D	0.0168		mg/kg	U	YES	UJ						UJ								
2,4-DB	0.0168		mg/kg	U	YES															
Dicamba	0.0168		mg/kg	U	YES															
Analysis Method : 8260B Dilution: 1																				
1,1,1,2-Tetrachloroethane	5.20		ug/Kg	U	YES															
1,1,1-Trichloroethane	5.20		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	5.20		ug/Kg	U	YES															
1,1,2-Trichloroethane	5.20		ug/Kg	U	YES															
1,1-Dichloroethane	5.20		ug/Kg	U	YES															
1,1-Dichloroethene	5.20		ug/Kg	U	YES															
1,1-Dichloropropene	5.20		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	5.20		ug/Kg	U	YES															
1,2,3-Trichloropropane	5.20		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	5.20		ug/Kg	U	YES															
1,2,4-Trimethylbenzene	5.20		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	31.2		ug/Kg	U	YES															
1,2-Dibromoethane	5.20		ug/Kg	U	YES															
1,2-Dichlorobenzene	5.20		ug/Kg	U	YES															
1,2-Dichloroethane	5.20		ug/Kg	U	YES															
1,2-Dichloropropane	5.20		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	5.20		ug/Kg	U	YES															
1,3-Dichlorobenzene	5.20		ug/Kg	U	YES															
1,3-Dichloropropane	5.20		ug/Kg	U	YES															

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

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

4750

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S1
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879018

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist To/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,4-Dichlorobenzene	5.20		ug/Kg	U	YES															
2,2-Dichloropropane	5.20		ug/Kg	U	YES															
2-Butanone	3.12		ug/Kg	J	YES	J							J							
2-Chlorotoluene	5.20		ug/Kg	U	YES															
2-Hexanone	13.0		ug/Kg	U	YES															
4-Chlorotoluene	5.20		ug/Kg	U	YES															
4-Isopropyltoluene	5.20		ug/Kg	U	YES															
4-Methyl-2-pentanone	13.0		ug/Kg	U	YES															
Acetone	12.5		ug/Kg	J	YES	J							J							
Benzene	5.20		ug/Kg	U	YES															
Bromobenzene	5.20		ug/Kg	U	YES															
Bromochloromethane	5.20		ug/Kg	U	YES															
Bromodichloromethane	5.20		ug/Kg	U	YES															
Bromoform	5.20		ug/Kg	U	YES															
Bromomethane	5.20		ug/Kg	U	YES															
Carbon disulfide	5.20		ug/Kg	U	YES															
Carbon tetrachloride	5.20		ug/Kg	U	YES															
Chlorobenzene	5.20		ug/Kg	U	YES															
Chloroethane	5.20		ug/Kg	U	YES															
Chloroform	5.20		ug/Kg	U	YES															
Chloromethane	5.20		ug/Kg	U	YES															
cis-1,2-Dichloroethene	5.20		ug/Kg	U	YES															
cis-1,3-Dichloropropene	5.20		ug/Kg	U	YES															
Dibromochloromethane	5.20		ug/Kg	U	YES															
Dibromomethane	5.20		ug/Kg	U	YES															
Dichlorodifluoromethane	5.20		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4751

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S1
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879018

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8260B						Dilution: 1														
Elhyl Benzene	5.20		ug/Kg	U	YES															
Hexachlorobutadiene	5.20		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	5.20		ug/Kg	U	YES															
m,p-Xylene	10.4		ug/Kg	U	YES															
Methyl iodide	1.03		ug/Kg	J	YES	J								J						
Methylene chloride	1.46		ug/Kg	J	YES	UJ			U					J						
Naphthalene	5.20		ug/Kg	U	YES															
n-Butylbenzene	5.20		ug/Kg	U	YES															
n-Propylbenzene	5.20		ug/Kg	U	YES															
o-Xylene	5.20		ug/Kg	U	YES															
sec-Butylbenzene	5.20		ug/Kg	U	YES															
Styrene	5.20		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	5.20		ug/Kg	U	YES															
tert-Butylbenzene	5.20		ug/Kg	U	YES															
Tetrachloroethene	5.20		ug/Kg	U	YES															
Toluene	5.20		ug/Kg	U	YES															
trans-1,2-Dichloroethene	5.20		ug/Kg	U	YES															
trans-1,3-Dichloropropene	5.20		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	26.0		ug/Kg	U	YES															
Trichloroethene	5.20		ug/Kg	U	YES															
Trichlorofluoromethane	5.20		ug/Kg	U	YES															
Vinyl chloride	5.20		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

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

4752

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S1
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879018

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist To/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 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	YCG															
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

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

4753

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S1
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879018

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Molst Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
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															
Isophthalic acid	336		ug/Kg	U	YCC															
Naphthalene	336		ug/Kg	U	YES															
Nitrobenzene	336		ug/Kg	U	YFR															
n-Nitrosodi-n-propylamine	336		ug/Kg	U	YES															
Pentachlorophenol	336		ug/Kg	U	YES															

Project Number and Name: 11-U32E - 11-U32E: Carroll Agent Orange

Library Used: CampCarroll

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

4754

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S1
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879018

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8270D		Dilution: 1																		
Phenanthrene	336		ug/Kg	U	YES															
Phenol	336		ug/Kg	U	YES															
Pyrene	336		ug/Kg	U	YES															

4755

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S2
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879019

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV	
Analysis Method : 6010C				Dilution: 1																	
Arsenic	2.94		mg/kg		YES	J						J									
Barium	72.6		mg/kg		YES	J						J									
Cadmium	0.793		mg/kg		YES	J						J									
Chromium	3.78		mg/kg		YES	J						J									
Lead	12.8		mg/kg		YES	J						J									
Selenium	0.450		mg/kg	J	YES																
Silver	0.294		mg/kg	J	YES	U				U											
Analysis Method : 7471B				Dilution: 1																	
Mercury	0.00101		mg/kg	J	YES	U				U											
Analysis Method : 8081				Dilution: 1																	
4,4'-DDD	10.1		ug/kg	U	YES																
4,4'-DDD	10.1		ug/kg	U	YES																
4,4'-DDE	0.787		ug/kg	J	YES																
4,4'-DDE	0.787		ug/kg	J	YES																
4,4'-DDT	3.33		ug/kg	J	YES	U				U											
4,4'-DDT	3.33		ug/kg	J	YES	U				U											
Aldrin	10.1		ug/kg	U	YES																
Aldrin	10.1		ug/kg	U	YES																
alpha-BHC	10.1		ug/kg	U	YES																
alpha-BHC	10.1		ug/kg	U	YES																
alpha-Chlordane	10.1		ug/kg	U	YES																
alpha-Chlordane	10.1		ug/kg	U	YES																
beta-BHC	10.1		ug/kg	U	YES																
Gamma-HCH	10.1		ug/kg	U	YES																
Chlordane	33.6		ug/kg	U	YES																
Chlordane	33.6		ug/kg	U	YES																
delta-BHC	10.1		ug/kg	U	YES																

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

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

4756

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S2
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879019

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Quat	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist To/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8081						Dilution: 1														
delta-BHC	10.1		ug/Kg	U	YES															
Dieldrin	10.1		ug/Kg	U	YES															
Dieldrin	10.1		ug/Kg	U	YES															
Endosulfan I	10.1		ug/Kg	U	YES															
Endosulfan I	10.1		ug/Kg	U	YES															
Endosulfan II	10.1		ug/Kg	U	YES															
Endosulfan II	10.1		ug/Kg	U	YES															
Endosulfan sulfate	10.1		ug/Kg	U	YES															
Endosulfan sulfate	10.1		ug/Kg	U	YES															
Endrin	10.1		ug/Kg	U	YES															
Endrin	10.1		ug/Kg	U	YES															
Endrin aldehyde	10.1		ug/Kg	U	YES															
Endrin aldehyde	10.1		ug/Kg	U	YES															
Endrin ketone	10.1		ug/Kg	U	YES															
Endrin ketone	10.1		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.1		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.1		ug/Kg	U	YES															
gamma-Chlordane	10.1		ug/Kg	U	YES															
gamma-Chlordane	10.1		ug/Kg	U	YES															
Heptachlor	10.1		ug/Kg	U	YES															
Heptachlor	10.1		ug/Kg	U	YES															
Heptachlor epoxide	10.1		ug/Kg	U	YES															
Heptachlor epoxide	10.1		ug/Kg	U	YES															
Methoxychlor	10.1		ug/Kg	U	YES															
Methoxychlor	10.1		ug/Kg	U	YES															
Toxaphene	33.8		ug/Kg	U	YES															

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

Library Used: CampCarroll

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Report Date: 9/6/2011 08:22

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

4757

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S2

Lab Report Batch : 31101879

Lab ID : SGSW

Sample Date : 07/14/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879019

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/DIs	Field QC	Tune	IC	ICV	CV/ CCV	
Analysis Method : 8081		Dilution: 1																			
Toxaphene	33.6		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	4.42		ug/Kg	U	YES																
1,1,1-Trichloroethane	4.42		ug/Kg	U	YES																
1,1,2,2-Tetrachloroethane	4.42		ug/Kg	U	YES																
1,1,2-Trichloroethane	4.42		ug/Kg	U	YES																
1,1-Dichloroethane	4.42		ug/Kg	U	YES																
1,1-Dichloroethene	4.42		ug/Kg	U	YES																
1,1-Dichloropropene	4.42		ug/Kg	U	YES																
1,2,3-Trichlorobenzene	4.42		ug/Kg	U	YES																
1,2,3-Trichloropropane	4.42		ug/Kg	U	YES																
1,2,4-Trichlorobenzene	4.42		ug/Kg	U	YES																
1,2,4-Trimethylbenzene	4.42		ug/Kg	U	YES																
1,2-Dibromo-3-chloropropane	26.5		ug/Kg	U	YES																
1,2-Dibromoethane	4.42		ug/Kg	U	YES																
1,2-Dichlorobenzene	4.42		ug/Kg	U	YES																
1,2-Dichloroethane	4.42		ug/Kg	U	YES																
1,2-Dichloropropane	4.42		ug/Kg	U	YES																
1,3,5-Trimethylbenzene	4.42		ug/Kg	U	YES																
1,3-Dichlorobenzene	4.42		ug/Kg	U	YES																
1,3-Dichloropropane	4.42		ug/Kg	U	YES																

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

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

4758

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S2
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879019

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/DIs	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,4-Dichlorobenzene	4.42		ug/Kg	U	YES															
2,2-Dichloropropane	4.42		ug/Kg	U	YES															
2-Butanone	3.08		ug/Kg	J	YES	J							J							
2-Chlorotoluene	4.42		ug/Kg	U	YES															
2-Hexanone	11.0		ug/Kg	U	YES															
4-Chlorotoluene	4.42		ug/Kg	U	YES															
4-Isopropyltoluene	4.42		ug/Kg	U	YES															
4-Methyl-2-pentanone	11.0		ug/Kg	U	YES															
Acetone	17.0		ug/Kg	J	YES	J							J							
Benzene	4.42		ug/Kg	U	YES															
Bromobenzene	4.42		ug/Kg	U	YES															
Bromochloromethane	4.42		ug/Kg	U	YES															
Bromodichloromethane	4.42		ug/Kg	U	YES															
Bromoform	4.42		ug/Kg	U	YES															
Bromomethane	4.42		ug/Kg	U	YES															
Carbon disulfide	4.42		ug/Kg	U	YES															
Carbon tetrachloride	4.42		ug/Kg	U	YES															
Chlorobenzene	4.42		ug/Kg	U	YES															
Chloroethane	4.42		ug/Kg	U	YES															
Chloroform	4.42		ug/Kg	U	YES															
Chloromethane	4.42		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.42		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.42		ug/Kg	U	YES															
Dibromochloromethane	4.42		ug/Kg	U	YES															
Dibromomethane	4.42		ug/Kg	U	YES															
Trichlorofluoromethane	4.42		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4759

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S2
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879019

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
Ethyl Benzene	4.42		ug/Kg	U	YES															
Hexachlorobutadiene	4.42		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.42		ug/Kg	U	YES															
m,p-Xylene	8.84		ug/Kg	U	YES															
Methyl iodide	0.760		ug/Kg	J	YES	J							J							
Methylene chloride	1.57		ug/Kg	J	YES	UJ			U				J							
Naphthalene	4.42		ug/Kg	U	YES															
n-Butylbenzene	4.42		ug/Kg	U	YES															
n-Propylbenzene	4.42		ug/Kg	U	YES															
o-Xylene	4.42		ug/Kg	U	YES															
sec-Butylbenzene	4.42		ug/Kg	U	YES															
Styrene	4.42		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	4.42		ug/Kg	U	YES															
tert-Butylbenzene	4.42		ug/Kg	U	YES															
Tetrachloroethene	4.42		ug/Kg	U	YES															
Toluene	4.42		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.42		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.42		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	22.1		ug/Kg	U	YES															
Trichloroethene	4.42		ug/Kg	U	YES															
Trichlorofluoromethane	4.42		ug/Kg	U	YES															
Vinyl chloride	4.42		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	337		ug/Kg	U	YES															
1,2-Dichlorobenzene	337		ug/Kg	U	YES															
1,3-Dichlorobenzene	337		ug/Kg	U	YES															
1,4-Dichlorobenzene	337		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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

4760

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S2

Lab Report Batch : 31101879

Lab ID : SGSW

Sample Date : 07/14/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879019

Reviewed By / Date :

Approved By / 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																					
2,4,5-Trichlorophenol	337		ug/Kg	U	YES																
2,4,6-Trichlorophenol	337		ug/Kg	U	YES																
2,4-Dichlorophenol	337		ug/Kg	U	YES																
2,4-Dimethylphenol	337		ug/Kg	U	YES																
2,4-Dinitrotoluene	337		ug/Kg	U	YES																
2,6-Dinitrotoluene	337		ug/Kg	U	YES																
2-Chloronaphthalene	337		ug/Kg	U	YES																
2-Chlorophenol	337		ug/Kg	U	YES																
2-Methylnaphthalene	337		ug/Kg	U	YES																
2-Methylphenol	337		ug/Kg	U	YES																
2-Nitroaniline	337		ug/Kg	U	YES																
2-Nitrophenol	337		ug/Kg	U	YES																
3 and/or 4-Methylphenol	337		ug/Kg	U	YES																
3-Nitroaniline	337		ug/Kg	U	YES																
4-Bromophenyl phenyl ether	337		ug/Kg	U	YES																
4-Chloro-3-methylphenol	337		ug/Kg	U	YES																
4-Chloroaniline	337		ug/Kg	U	YES																
4-Chlorophenyl phenyl ether	337		ug/Kg	U	YES																
4-Nitroaniline	337		ug/Kg	U	YES																
4-Nitrophenol	337		ug/Kg	U	YES																
Acenaphthene	337		ug/Kg	U	YES																
Acenaphthylene	337		ug/Kg	U	YES																
Anthracene	337		ug/Kg	U	YES																
Benzobenzanthracene	337		ug/Kg	U	YES																
Benzo(a)pyrene	337		ug/Kg	U	YES																
Benzo(h)fluoranthene	337		ug/Kg	U	YES																

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

Library Used: CampCarroll

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

4761

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S2
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879019

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8270D																				
Dilution: 1																				
Benzo(g,h,i)perylene	337		ug/Kg	U	YES															
Benzo(k)fluoranthene	337		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	337		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	337		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	337		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	337		ug/Kg	U	YES															
Butyl benzyl phthalate	337		ug/Kg	U	YES															
Chrysene	337		ug/Kg	U	YES															
Dibenz(a,h)anthracene	337		ug/Kg	U	YES															
Dibenzofuran	337		ug/Kg	U	YES															
Diethyl phthalate	337		ug/Kg	U	YES															
Dimethyl phthalate	337		ug/Kg	U	YES															
Di-n-butyl phthalate	337		ug/Kg	U	YES															
Di-n-octyl phthalate	337		ug/Kg	U	YES															
Fluoranthene	337		ug/Kg	U	YES															
Fluorene	337		ug/Kg	U	YES															
Hexachlorobenzene	337		ug/Kg	U	YES															
Hexachlorobutadiene	337		ug/Kg	U	YES															
Hexachlorocyclopentadiene	337		ug/Kg	U	YES															
Hexachloroethane	337		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	337		ug/Kg	U	YES															
Isophorone	337		ug/Kg	U	YES															
Naphthalene	337		ug/Kg	U	YES															
Nitrobenzene	337		ug/Kg	U	YES															
n-Nitroso-n-propylamine	337		ug/Kg	U	YES															
Pentachlorophenol	337		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4762

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S2

Lab Report Batch : 31101879

Lab ID : SGSW

Sample Date : 07/14/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879019

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist To/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8270D		Dilution: 1																		
Phenanthrene	337		ug/Kg	U	YES															
Phenol	337		ug/Kg	U	YES															
Pyrene	337		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4763

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S3
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879020

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Sur	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6010C																				
Dilution: 1																				
Arsenic	4.16		mg/kg		YES	J						J								
Barium	49.7		mg/kg		YES	J						J								
Cadmium	0.555		mg/kg		YES	UJ			U			J								
Chromium	6.35		mg/kg		YES															
Lead	12.7		mg/kg		YES	J						J								
Selenium	0.597		mg/kg	J	YES															
Silver	0.310		mg/kg	J	YES	U			U											
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.00380		mg/kg	J	YES	U			U											
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	10.4		ug/Kg	U	YES															
4,4'-DDE	10.4		ug/Kg	U	YES															
4,4'-DDT	0.666		ug/Kg	J P	YES	U			U											
4,4'-DDT	0.660		ug/Kg	J P	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	34.7		ug/Kg	U	YES															
Chlordane	34.7		ug/Kg	U	YES															
delta-BHC	10.4		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4764

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S3
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879020

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8081																				
Dilution: 1																				
delta-BHC	10.4		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	34.7		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4765

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S3
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879020

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081				Dilution: 1																
Toxaphene	34.7		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	4.37		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.37		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.37		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.37		ug/Kg	U	YES															
1,1-Dichloroethane	4.37		ug/Kg	U	YES															
1,1-Dichloroethene	4.37		ug/Kg	U	YES															
1,1-Dichloropropene	4.37		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.37		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.37		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.37		ug/Kg	U	YES															
1,2,4-Trimethylbenzene	4.37		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	26.2		ug/Kg	U	YES															
1,2-Dibromoethane	4.37		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.37		ug/Kg	U	YES															
1,2-Dichloroethane	4.37		ug/Kg	U	YES															
1,2-Dichloropropane	4.37		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.37		ug/Kg	U	YLU															
1,3-Dichlorobenzene	4.37		ug/Kg	U	YES															
1,3-Dichloropropane	4.37		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4766

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S3
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879020

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dls	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 826DB																				
Dilution: 1																				
1,4-Dichlorobenzene	4.37		ug/Kg	U	YES															
2,2-Dichloropropane	4.37		ug/Kg	U	YES															
2-Butanone	6.80		ug/Kg	J	YES	J							J							
2-Chlorotoluene	4.37		ug/Kg	U	YES															
2-Hexanone	10.9		ug/Kg	U	YES															
4-Chlorotoluene	4.37		ug/Kg	U	YES															
4-Isopropyltoluene	4.37		ug/Kg	U	YES															
4-Methyl-2-pentanone	10.9		ug/Kg	U	YES															
Acetone	47.9		ug/Kg		YES	J							J							
Benzene	4.37		ug/Kg	U	YES															
Bromobenzene	4.37		ug/Kg	U	YES															
Bromochloromethane	4.37		ug/Kg	U	YES															
Bromodichloromethane	4.37		ug/Kg	U	YES															
Bromoform	4.37		ug/Kg	U	YES															
Bromomethane	4.37		ug/Kg	U	YES															
Carbon disulfide	4.37		ug/Kg	U	YES															
Carbon tetrachloride	4.37		ug/Kg	U	YES															
Chlorobenzene	4.37		ug/Kg	U	YES															
Chloroethane	4.37		ug/Kg	U	YES															
Chloroform	4.37		ug/Kg	U	YES															
Chloromethane	4.37		ug/Kg	U	YES															
cis-1,2-Dichloroethane	4.37		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.37		ug/Kg	U	YES															
Dibromochloromethane	4.37		ug/Kg	U	YES															
Dibromomethane	4.37		ug/Kg	U	YES															
Dichlorodifluoromethane	4.37		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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

4767

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S3
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879020

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
Ethyl Benzene	4.37		ug/Kg	U	YES															
Hexachlorobutadiene	4.37		ug/Kg	U	YES															
isopropylbenzene (Cumene)	4.37		ug/Kg	U	YES															
m,p-Xylene	8.74		ug/Kg	U	YES															
Methyl iodide	4.37		ug/Kg	U	YES															
Methylene chloride	1.22		ug/Kg	J	YES	UJ			U					J						
Naphthalene	4.37		ug/Kg	U	YES															
n-Butylbenzene	4.37		ug/Kg	U	YES															
n-Propylbenzene	4.37		ug/Kg	U	YES															
o-Xylene	4.37		ug/Kg	U	YES															
sec-Butylbenzene	4.37		ug/Kg	U	YES															
Styrene	4.37		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	4.37		ug/Kg	U	YES															
tert-Butylbenzene	4.37		ug/Kg	U	YES															
Tetrachloroethene	52.8		ug/Kg		YES	J								J						
Toluene	4.37		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.37		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.37		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	21.8		ug/Kg	U	YES															
Trichloroethene	4.37		ug/Kg	U	YES															
Trichlorofluoromethane	4.37		ug/Kg	U	YES															
Vinyl chloride	4.37		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	345		ug/Kg	U	YES															
1,2-Dichlorobenzene	345		ug/Kg	U	YES															
1,3-Dichlorobenzene	345		ug/Kg	U	YES															
1,4-Dichlorobenzene	345		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4768

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S3
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879020

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8270D																				
Dilution: 1																				
2,4,5-Trichlorophenol	345		ug/Kg	U	YES															
2,4,6-Trichlorophenol	345		ug/Kg	U	YES															
2,4-Dichlorophenol	345		ug/Kg	U	YES															
2,4-Dimethylphenol	345		ug/Kg	U	YES															
2,4-Dinitrotoluene	345		ug/Kg	U	YES															
2,6-Dinitrotoluene	345		ug/Kg	U	YES															
2-Chloronaphthalene	345		ug/Kg	U	YES															
2-Chlorophenol	345		ug/Kg	U	YES															
2-Methylnaphthalene	345		ug/Kg	U	YES															
2-Methylphenol	345		ug/Kg	U	YES															
2-Nitroaniline	345		ug/Kg	U	YES															
2-Nitrophenol	345		ug/Kg	U	YES															
3 and/or 4-Methylphenol	345		ug/Kg	U	YES															
3-Nitroaniline	345		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	345		ug/Kg	U	YES															
4-Chloro-3-methylphenol	345		ug/Kg	U	YES															
4-Chloroaniline	345		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	345		ug/Kg	U	YES															
4-Nitroaniline	345		ug/Kg	U	YES															
4-Nitrophenol	345		ug/Kg	U	YES															
Acenaphthene	345		ug/Kg	U	YES															
Acenaphthylene	345		ug/Kg	U	YES															
Anthracene	345		ug/Kg	U	YES															
Benzo(a)anthracene	345		ug/Kg	U	YES															
Benzo(a)pyrene	345		ug/Kg	U	YES															
Benzo(b)fluoranthene	345		ug/Kg	U	YES															

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

Library Used: CampCarroll

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Report Date: 9/6/2011 08:22

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

4769

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S3
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879020

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8270D																				
Dilution: 1																				
Benzo(g,h,i)perylene	345		ug/Kg	U	YES															
Benzo(k)fluoranthene	345		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	345		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	345		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	345		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	345		ug/Kg	U	YES															
Butyl benzyl phthalate	345		ug/Kg	U	YES															
Chrysene	345		ug/Kg	U	YES															
Dibenz(a,h)anthracene	345		ug/Kg	U	YES															
Dibenzofuran	345		ug/Kg	U	YES															
Diethyl phthalate	345		ug/Kg	U	YES															
Dimethyl phthalate	345		ug/Kg	U	YES															
Di-n-butyl phthalate	345		ug/Kg	U	YES															
Di-n-octyl phthalate	345		ug/Kg	U	YES															
Fluoranthene	345		ug/Kg	U	YES															
Fluorene	345		ug/Kg	U	YES															
Hexachlorobenzene	345		ug/Kg	U	YES															
Hexachlorobutadiene	345		ug/Kg	U	YES															
Hexachlorocyclopentadiene	345		ug/Kg	U	YES															
Hexachloroethane	345		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	345		ug/Kg	U	YES															
Isophorone	345		ug/Kg	U	YES															
Naphthalene	345		ug/Kg	U	YES															
Nitrobenzene	345		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	345		ug/Kg	U	YES															
Pentachlorophenol	345		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4770

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S3
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879020

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8270D																				
Dilution: 1																				
Phenanthrene	345		ug/Kg	U	YES															
Phenol	345		ug/Kg	U	YES															
Pyrene	345		ug/Kg	U	YES															

4771

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S4
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879021

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6010C																				
Dilution: 1																				
Arsenic	1.20		mg/kg		YES	J						J								
Barium	71.2		mg/kg		YES	J						J								
Cadmium	0.533		mg/kg	J	YES	UJ			U			J								
Chromium	5.16		mg/kg		YES															
Lead	7.48		mg/kg		YES	J						J								
Selenium	2.23		mg/kg	U	YES															
Silver	0.323		mg/kg	J	YES	U			U											
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.00303		mg/kg	J	YES	U			U											
Analysis Method : 8081																				
Dilution: 1																				
4,4'-DDD	10.6		ug/Kg	U	YES															
4,4'-DDE	10.6		ug/Kg	U	YES															
4,4'-DDT	10.6		ug/Kg	U	YES															
Aldrin	10.6		ug/Kg	U	YES															
alpha-BHC	10.6		ug/Kg	U	YES															
alpha-Chlordane	10.6		ug/Kg	U	YES															
beta-BHC	10.6		ug/Kg	U	YES															
Chlordane	35.2		ug/Kg	U	YES															
delta-BHC	10.6		ug/Kg	U	YES															
Dieldrin	10.6		ug/Kg	U	YES															
Endosulfan I	10.6		ug/Kg	U	YES															
Endosulfan II	10.0		ug/Kg	U	YCC															
Endosulfan sulfate	10.6		ug/Kg	U	YES															
Endrin	10.6		ug/Kg	U	YFR															
Endrin aldehyde	10.6		ug/Kg	U	YES															
Endrin ketone	10.6		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.6		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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

4772

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S4
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879021

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 1																				
gamma-Chlordane	10.6		ug/Kg	U	YES															
Heptachlor	10.6		ug/Kg	U	YES															
Heptachlor epoxide	10.6		ug/Kg	U	YES															
Methoxychlor	10.6		ug/Kg	U	YES															
Toxaphene	35.2		ug/Kg	U	YES															
Analysis Method : 8151																				
Dilution: 1																				
2,4,5-T	0.0179		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0179		mg/kg	U	YES	UJ					UJ									
2,4'-D	0.0179		mg/kg	U	YES	UJ					UJ									
2,4-DB	0.0179		mg/kg	U	YES															
Dicamba	0.0179		mg/kg	U	YES															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.64		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.64		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.64		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.64		ug/Kg	U	YES															
1,1-Dichloroethane	4.64		ug/Kg	U	YES															
1,1-Dichloroethene	4.64		ug/Kg	U	YES															
1,1-Dichloropropene	4.64		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.04		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.64		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.64		ug/Kg	U	YES															
1,2,4-Trimethylbenzene	4.64		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	27.8		ug/Kg	U	YES															
1,2-Dibromoethane	4.64		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.64		ug/Kg	U	YES															
1,2-Dichloroethane	4.64		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4773

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S4
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879021

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	
Analysis Method : 8260B																					
Dilution: 1																					
1,2-Dichloropropane	4.64		ug/Kg	U	YES																
1,3,5-Trimethylbenzene	4.64		ug/Kg	U	YES																
1,3-Dichlorobenzene	4.64		ug/Kg	U	YES																
1,3-Dichloropropane	4.64		ug/Kg	U	YES																
1,4-Dichlorobenzene	4.64		ug/Kg	U	YES																
2,2-Dichloropropane	4.64		ug/Kg	U	YES																
2-Butanone	5.54		ug/Kg	J	YES	J							J								
2-Chlorotoluene	4.64		ug/Kg	U	YES																
2-Hexanone	11.6		ug/Kg	U	YES																
4-Chlorotoluene	4.64		ug/Kg	U	YES																
4-Isopropyltoluene	4.64		ug/Kg	U	YES																
4-Methyl-2-pentanone	11.6		ug/Kg	U	YES																
Acetone	33.6		ug/Kg	J	YES	J							J								
Benzene	4.64		ug/Kg	U	YES																
Bromobenzene	4.64		ug/Kg	U	YES																
Bromochloromethane	4.64		ug/Kg	U	YES																
Bromodichloromethane	4.64		ug/Kg	U	YES																
Bromoform	4.64		ug/Kg	U	YES																
Bromomethane	4.64		ug/Kg	U	YES																
Carbon disulfide	4.64		ug/Kg	U	YES																
Carbon tetrachloride	4.64		ug/Kg	U	YES																
Chlorobenzene	4.64		ug/Kg	U	YES																
Chloroethane	4.64		ug/Kg	U	YES																
Chloroform	4.64		ug/Kg	U	YES																
Chloromethane	4.64		ug/Kg	U	YES																
cis-1,2-Dichloroethene	4.64		ug/Kg	U	YES																

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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

4774

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S4
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879021

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist To/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
cis-1,3-Dichloropropene	4.64		ug/Kg	U	YES															
Dibromochloromethane	4.64		ug/Kg	U	YES															
Dibromomethane	4.64		ug/Kg	U	YES															
Dichlorodifluoromethane	4.64		ug/Kg	U	YES															
Ethyl Benzene	4.64		ug/Kg	U	YES															
Hexachlorobutadiene	4.64		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.64		ug/Kg	U	YES															
m,p-Xylene	9.27		ug/Kg	U	YES															
Methyl iodide	4.64		ug/Kg	U	YES															
Methylene chloride	1.44		ug/Kg	J	YES	UJ			U					J						
Naphthalene	4.64		ug/Kg	U	YES															
n-Butylbenzene	4.64		ug/Kg	U	YES															
n-Propylbenzene	4.64		ug/Kg	U	YES															
o-Xylene	4.64		ug/Kg	U	YES															
sec-Butylbenzene	4.64		ug/Kg	U	YES															
Styrene	4.64		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	4.64		ug/Kg	U	YES															
tert-Butylbenzene	4.64		ug/Kg	U	YES															
Tetrachloroethene	1.59		ug/Kg	J	YES	J								J						
Toluene	4.64		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.64		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.64		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	23.2		ug/Kg	U	YES															
Trichloroethene	4.64		ug/Kg	U	YES															
Trichlorofluoromethane	4.64		ug/Kg	U	YES															
Vinyl chloride	4.64		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				

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

Library Used: CampCarroll

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

4775

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S4

Lab Report Batch : 31101879

Lab ID : SGSW

Sample Date : 07/14/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879021

Reviewed By / Date :

Approved By / 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																					
1,2,4-Trichlorobenzene	361		ug/Kg	U	YES																
1,2-Dichlorobenzene	361		ug/Kg	U	YES																
1,3-Dichlorobenzene	361		ug/Kg	U	YES																
1,4-Dichlorobenzene	361		ug/Kg	U	YES																
2,4,5-Trichlorophenol	361		ug/Kg	U	YES																
2,4,6-Trichlorophenol	361		ug/Kg	U	YES																
2,4-Dichlorophenol	361		ug/Kg	U	YES																
2,4-Dimethylphenol	361		ug/Kg	U	YES																
2,4-Dinitrotoluene	361		ug/Kg	U	YES																
2,6-Dinitrotoluene	361		ug/Kg	U	YES																
2-Chloronaphthalene	361		ug/Kg	U	YES																
2-Chlorophenol	361		ug/Kg	U	YES																
2-Methylnaphthalene	361		ug/Kg	U	YES																
2-Methylphenol	361		ug/Kg	U	YES																
2-Nitroaniline	361		ug/Kg	U	YES																
2-Nitrophenol	361		ug/Kg	U	YES																
3 and/or 4-Methylphenol	361		ug/Kg	U	YES																
3-Nitroaniline	361		ug/Kg	U	YES																
4-Bromophenyl phenyl ether	361		ug/Kg	U	YES																
4-Chloro-3-methylphenol	361		ug/Kg	U	YES																
4-Chloroaniline	361		ug/Kg	U	YES																
4-Chlorophenyl phenyl ether	361		ug/Kg	U	YES																
4-Nitroaniline	361		ug/Kg	U	YES																
4-Nitrophenol	361		ug/Kg	U	YES																
Acenaphthene	361		ug/Kg	U	YES																
Acenaphthylene	361		ug/Kg	U	YES																

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

Library Used: CampCarroll

ADR 8.2

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

4776

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S4
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879021

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8270D																				
Dilution: 1																				
Anthracene	361		ug/Kg	U	YES															
Benzo(a)anthracene	361		ug/Kg	U	YES															
Benzo(a)pyrene	361		ug/Kg	U	YES															
Benzo(b)fluoranthene	361		ug/Kg	U	YES															
Benzo(g,h,i)perylene	361		ug/Kg	U	YES															
Benzo(k)fluoranthene	361		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	361		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	361		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	361		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	361		ug/Kg	U	YES															
Butyl benzyl phthalate	361		ug/Kg	U	YES															
Chrysene	361		ug/Kg	U	YES															
Dibenz(a,h)anthracene	361		ug/Kg	U	YES															
Dibenzofuran	361		ug/Kg	U	YES															
Diethyl phthalate	361		ug/Kg	U	YES															
Dimethyl phthalate	361		ug/Kg	U	YES															
Di-n-butyl phthalate	361		ug/Kg	U	YES															
Di-n-octyl phthalate	361		ug/Kg	U	YES															
Fluoranthene	361		ug/Kg	U	YES															
Fluorene	361		ug/Kg	U	YES															
Hexachlorobenzene	361		ug/Kg	U	YES															
Hexachlorobutadiene	361		ug/Kg	U	YES															
Hexachlorocyclopentadiene	361		ug/Kg	U	YES															
Hexafluorobenzene	361		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	361		ug/Kg	U	YES															
Isophorone	361		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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

4777

Sample Qualification Report (All Analytes)

Client Sample ID : E11-117-S4
 Sample Date : 07/14/2011
 Lab Sample ID: 31101879021

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8270D																				
Dilution: 1																				
Naphthalene	361		ug/Kg	U	YES															
Nitrobenzene	361		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	361		ug/Kg	U	YES															
Pentachlorophenol	361		ug/Kg	U	YES															
Phenanthrene	361		ug/Kg	U	YES															
Phenol	361		ug/Kg	U	YES															
Pyrene	361		ug/Kg	U	YES															

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

Library Used: CampCarroll

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Report Date: 9/6/2011 08:22

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

4778

Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879039

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6010C						Dilution: 1														
Arsenic	1.73		mg/kg		YES															
Barium	136		mg/kg		YES															
Cadmium	0.737		mg/kg		YES															
Chromium	16.7		mg/kg		YES															
Lead	10.5		mg/kg		YES	J						J								
Selenium	2.20		mg/kg	U	YES															
Silver	1.10		mg/kg	U	YES															
Analysis Method : 7471B						Dilution: 1														
Mercury	0.0201		mg/kg	U	YES															
Analysis Method : 8081						Dilution: 1														
4,4'-DDD	10.6		ug/kg	U	YES															
4,4'-DDE	10.6		ug/kg	U	YES															
4,4'-DDT	10.6		ug/kg	U	YES															
Aldrin	10.6		ug/kg	U	YES															
alpha-BHC	10.6		ug/kg	U	YES															
alpha-Chlordane	10.6		ug/kg	U	YES															
beta-BHC	10.6		ug/kg	U	YES															
Chlordane	35.4		ug/kg	U	YES															
delta-BHC	10.6		ug/kg	U	YES															
Dieldrin	10.6		ug/kg	U	YES															
Endosulfan I	10.6		ug/kg	U	YES															
Endosulfan II	10.0		ug/kg	U	YCG															
Endosulfan sulfate	10.6		ug/kg	U	YES															
Endrin	10.6		ug/kg	U	YFR															
Endrin aldehyde	10.6		ug/kg	U	YES															
Endrin ketone	10.6		ug/kg	U	YES															
gamma-BHC (Lindane)	10.6		ug/kg	U	YES															

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

Library Used: CampCarroll

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

4779

Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879039

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dls	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081						Dilution: 1														
gamma-Chlordane	10.6		ug/Kg	U	YES															
Heplachlor	10.6		ug/Kg	U	YES															
Heplachlor epoxide	10.6		ug/Kg	U	YES															
Methoxychlor	10.6		ug/Kg	U	YES															
Toxaphene	35.4		ug/Kg	U	YES															
Analysis Method : 8151						Dilution: 1														
2,4,5-T	0.0180		mg/kg	U	YES															
2,4,5-T	0.0180		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0180		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0180		mg/kg	U	YES															
2,4'-D	0.0180		mg/kg	U	YES															
2,4'-D	0.0180		mg/kg	U	YES															
2,4-DB	0.0180		mg/kg	U	YES															
2,4-DB	0.0180		mg/kg	U	YES															
Dicamba	0.0180		mg/kg	U	YES															
Dicamba	0.0180		mg/kg	U	YES															
Analysis Method : 8260B						Dilution: 1														
1,1,1,2-Tetrachloroethane	4.69		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.69		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.69		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.69		ug/Kg	U	YES															
1,1-Dichloroethane	4.00		ug/Kg	U	YCG															
1,1-Dichloroethene	4.69		ug/Kg	U	YES															
1,1-Dichloropropene	4.69		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.69		ug/Kg	U	YES															
1,2,3 Trichloropropane	4.69		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.69		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4780

Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879039

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2,4-Trimethylbenzene	4.69		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	28.2		ug/Kg	U	YES															
1,2-Dibromoethane	4.69		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.69		ug/Kg	U	YES															
1,2-Dichloroethane	4.69		ug/Kg	U	YES															
1,2-Dichloropropane	4.69		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.69		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.69		ug/Kg	U	YES															
1,3-Dichloropropane	4.69		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.69		ug/Kg	U	YES															
2,2-Dichloropropane	4.69		ug/Kg	U	YES															
2-Butanone	23.5		ug/Kg	U	YES															
2-Chlorotoluene	4.69		ug/Kg	U	YES															
2-Hexanone	11.7		ug/Kg	U	YES															
4-Chlorotoluene	4.69		ug/Kg	U	YES															
4-Isopropyltoluene	4.69		ug/Kg	U	YES															
4-Methyl-2-pentanone	11.7		ug/Kg	U	YES															
Acetone	46.9		ug/Kg	U	YES															
Benzene	4.69		ug/Kg	U	YES															
Bromobenzene	4.69		ug/Kg	U	YES															
Bromochloromethane	4.69		ug/Kg	U	YES															
Bromodichloromethane	4.69		ug/Kg	U	YES															
Bromofom	4.09		ug/Kg	U	YES															
Bromomethane	4.69		ug/Kg	U	YES															
Carbon disulfide	4.69		ug/Kg	U	YES															
Carbon tetrachloride	4.69		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

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

4781

Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S1

Lab Report Batch : 31101879

Lab ID : SGSW

Sample Date : 07/15/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879039

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B						Dilution: 1														
Chlorobenzene	4.69		ug/Kg	U	YES															
Chloroethane	4.69		ug/Kg	U	YES															
Chloroform	4.69		ug/Kg	U	YES															
Chloromethane	4.69		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.69		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.69		ug/Kg	U	YES															
Dibromochloromethane	4.69		ug/Kg	U	YES															
Dibromomethane	4.69		ug/Kg	U	YES															
Dichlorodifluoromethane	4.69		ug/Kg	U	YES															
Ethyl Benzene	4.69		ug/Kg	U	YES															
Hexachlorobutadiene	4.69		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.69		ug/Kg	U	YES															
m,p-Xylene	9.39		ug/Kg	U	YES															
Methyl iodide	4.69		ug/Kg	U	YES															
Methylene chloride	1.46		ug/Kg	J	YES															
Naphthalene	4.69		ug/Kg	U	YES															
n-Butylbenzene	4.69		ug/Kg	U	YES															
n-Propylbenzene	4.69		ug/Kg	U	YES															
o-Xylene	4.69		ug/Kg	U	YES															
sec-Butylbenzene	4.69		ug/Kg	U	YES															
Styrene	4.69		ug/Kg	U	YES															
tert-Butyl methyl ether (MTBE)	4.60		ug/Kg	U	YCD															
tert-Butylbenzene	4.69		ug/Kg	U	YES															
Tetrachloroethene	4.69		ug/Kg	U	YES															
Toluene	4.69		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.69		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4782

Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879039

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
trans-1,3-Dichloropropene	4.69		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	23.5		ug/Kg	U	YES															
Trichloroethene	4.69		ug/Kg	U	YES															
Trichlorofluoromethane	4.69		ug/Kg	U	YES															
Vinyl chloride	4.69		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	357		ug/Kg	U	YES															
1,2-Dichlorobenzene	357		ug/Kg	U	YES															
1,3-Dichlorobenzene	357		ug/Kg	U	YES															
1,4-Dichlorobenzene	357		ug/Kg	U	YES															
2,4,5-Trichlorophenol	357		ug/Kg	U	YES															
2,4,6-Trichlorophenol	357		ug/Kg	U	YES															
2,4-Dichlorophenol	357		ug/Kg	U	YES															
2,4-Dimethylphenol	357		ug/Kg	U	YES															
2,4-Dinitrotoluene	357		ug/Kg	U	YES															
2,6-Dinitrotoluene	357		ug/Kg	U	YES															
2-Chloronaphthalene	357		ug/Kg	U	YES															
2-Chlorophenol	357		ug/Kg	U	YES															
2-Methylnaphthalene	357		ug/Kg	U	YES															
2-Methylphenol	357		ug/Kg	U	YES															
2-Nitroaniline	357		ug/Kg	U	YES															
2-Nitrophenol	357		ug/Kg	U	YES															
3 and/or 4-Methylphenol	357		ug/Kg	U	YES															
3-Nitroaniline	357		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	357		ug/Kg	U	YES															
4-Chloro-3-methylphenol	357		ug/Kg	U	YES															
4-Chloroaniline	357		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4783

Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879039

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
4-Chlorophenyl phenyl ether	357		ug/Kg	U	YES															
4-Nitroaniline	357		ug/Kg	U	YES															
4-Nitrophenol	357		ug/Kg	U	YES															
Acenaphthene	357		ug/Kg	U	YES															
Acenaphthylene	357		ug/Kg	U	YES															
Anthracene	357		ug/Kg	U	YES															
Benzo(a)anthracene	357		ug/Kg	U	YES															
Benzo(a)pyrene	357		ug/Kg	U	YES															
Benzo(b)fluoranthene	357		ug/Kg	U	YES															
Benzo(g,h,i)perylene	357		ug/Kg	U	YES															
Benzo(k)fluoranthene	357		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	357		ug/Kg	U	YES															
Bis(2-Chloroethoxy)ether	357		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	357		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	357		ug/Kg	U	YES															
Butyl benzyl phthalate	357		ug/Kg	U	YES															
Chrysene	357		ug/Kg	U	YES															
Dibenz(a,h)anthracene	357		ug/Kg	U	YES															
Dibenzofuran	357		ug/Kg	U	YES															
Diethyl phthalate	357		ug/Kg	U	YES															
Dimethyl phthalate	357		ug/Kg	U	YES															
Di-n-butyl phthalate	357		ug/Kg	U	YES															
Di-n-octyl phthalate	357		ug/Kg	U	YES															
Fluoranthene	357		ug/Kg	U	YES															
Fluorene	357		ug/Kg	U	YES															
Hexachlorobenzene	357		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4784

Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S1
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879039

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
Hexachlorobuladiene	357		ug/Kg	U	YES															
Hexachlorocyclopentadiene	357		ug/Kg	U	YES															
Hexachloroethane	357		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	357		ug/Kg	U	YES															
Isophorone	357		ug/Kg	U	YES															
Naphthalene	357		ug/Kg	U	YES															
Nitrobenzene	357		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	357		ug/Kg	U	YES															
Pentachlorophenol	357		ug/Kg	U	YES															
Phenanthrene	357		ug/Kg	U	YES															
Phenol	357		ug/Kg	U	YES															
Pyrene	357		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4785

Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S2
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879040

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist ToVDis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 6D10C																				
Dilution: 1																				
Arsenic	0.937		mg/kg	J	YES															
Barium	76.3		mg/kg		YES															
Cadmium	0.480		mg/kg	J	YES	U							U							
Chromium	2.28		mg/kg		YES															
Lead	13.4		mg/kg		YES	J							J							
Selenium	2.00		mg/kg	U	YES															
Silver	0.195		mg/kg	J	YES	U							U							
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.0204		mg/kg	U	YES															
Analysis Method : 8081																				
Dilution: 1																				
4,4'-DDD	9.95		ug/Kg	U	YES															
4,4'-DDD	9.95		ug/Kg	U	YES															
4,4'-DDE	9.95		ug/Kg	U	YES															
4,4'-DDE	9.95		ug/Kg	U	YES															
4,4'-DDT	9.95		ug/Kg	U	YES															
4,4'-DDT	9.95		ug/Kg	U	YES															
Aldrin	9.95		ug/Kg	U	YES															
Aldrin	9.95		ug/Kg	U	YES															
alpha-BHC	9.95		ug/Kg	U	YES															
alpha-BHC	9.95		ug/Kg	U	YES															
alpha-Chlordane	9.95		ug/Kg	U	YES															
alpha-Chlordane	9.95		ug/Kg	U	YES															
beta-BHC	9.95		ug/Kg	U	YES															
beta-BHC	9.95		ug/Kg	U	YES															
Chlordane	33.1		ug/Kg	U	YES															
Chlordane	33.1		ug/Kg	U	YES															
delta-BHC	9.95		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4786

Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S2

Lab Report Batch : 31101879

Lab ID : SGSW

Sample Date : 07/15/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879040

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 1																				
delta-BHC	9.95		ug/Kg	U	YES															
Dieldrin	9.95		ug/Kg	U	YES															
Dieldrin	9.95		ug/Kg	U	YES															
Endosulfan I	0.531		ug/Kg	JP	YES															
Endosulfan I	0.531		ug/Kg	JP	YES															
Endosulfan II	9.95		ug/Kg	U	YES															
Endosulfan II	9.95		ug/Kg	U	YES															
Endosulfan sulfate	9.95		ug/Kg	U	YES															
Endosulfan sulfate	9.95		ug/Kg	U	YES															
Endrin	9.95		ug/Kg	U	YES															
Endrin	9.95		ug/Kg	U	YES															
Endrin aldehyde	9.95		ug/Kg	U	YES															
Endrin aldehyde	9.95		ug/Kg	U	YES															
Endrin ketone	9.95		ug/Kg	U	YES															
Endrin ketone	9.95		ug/Kg	U	YES															
gamma-BHC (Lindane)	0.05		ug/Kg	U	YES															
gamma-BHC (Lindane)	9.95		ug/Kg	U	YES															
gamma-Chlordane	9.95		ug/Kg	U	YES															
gamma-Chlordane	9.95		ug/Kg	U	YES															
Heptachlor	9.95		ug/Kg	U	YES															
Heptachlor	9.95		ug/Kg	U	YES															
Heptachlor epoxide	9.95		ug/Kg	U	YES															
Heptachlor epoxide	9.95		ug/Kg	U	YES															
Methoxychlor	9.95		ug/Kg	U	YES															
Methoxychlor	9.95		ug/Kg	U	YES															
Toxaphene	33.1		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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

4787

Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S2
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879040

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Te/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 1																				
Toxaphene	33.1		ug/Kg	U	YES															
Analysis Method : 8151																				
Dilution: 1																				
2,4,5-T	0.0162		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0162		mg/kg	U	YES															
2,4-D	0.0162		mg/kg	U	YES															
2,4-DB	0.0162		mg/kg	U	YES															
Dicamba	0.0162		mg/kg	U	YES															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.39		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.39		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.39		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.39		ug/Kg	U	YES															
1,1-Dichloroethane	4.39		ug/Kg	U	YES															
1,1-Dichloroethene	4.39		ug/Kg	U	YES															
1,1-Dichloropropene	4.39		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.39		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.39		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.39		ug/Kg	U	YES	UJ						UJ								
1,2,4-Trimethylbenzene	4.39		ug/Kg	U	YES	UJ						UJ								
1,2-Dibromo-3-chloropropane	26.4		ug/Kg	U	YES															
1,2-Dibromoethane	4.39		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.39		ug/Kg	U	YES															
1,2-Dichloroethane	4.39		ug/Kg	U	YES															
1,2-Dichloropropane	4.39		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.39		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.39		ug/Kg	U	YES															
1,3-Dichloropropane	4.30		ug/Kg	U	YES															

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

Library Used: CampCarroll

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

4788

Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S2
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879040

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist To/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,4-Dichlorobenzene	4.39		ug/Kg	U	YES															
2,2-Dichloropropane	4.39		ug/Kg	U	YES															
2-Butanone	1.96		ug/Kg	J	YES	J					J		J							
2-Chlorotoluene	4.39		ug/Kg	U	YES															
2-Hexanone	11.0		ug/Kg	U	YES															
4-Chlorotoluene	4.39		ug/Kg	U	YES															
4-Isopropyltoluene	4.39		ug/Kg	U	YES															
4-Methyl-2-pentanone	11.0		ug/Kg	U	YES															
Acetone	8.75		ug/Kg	J	YES	J					J		J							
Benzene	4.39		ug/Kg	U	YES															
Bromobenzene	4.39		ug/Kg	U	YES															
Bromochloromethane	4.39		ug/Kg	U	YES															
Bromodichloromethane	4.39		ug/Kg	U	YES															
Bromoform	4.39		ug/Kg	U	YES															
Bromomethane	4.39		ug/Kg	U	YES															
Carbon disulfide	4.39		ug/Kg	U	YES															
Carbon tetrachloride	4.39		ug/Kg	U	YES															
Chlorobenzene	4.39		ug/Kg	U	YES															
Chloroethane	4.39		ug/Kg	U	YES															
Chloroform	4.39		ug/Kg	U	YES															
Chloromethane	4.39		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.39		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.39		ug/Kg	U	YES															
Dibromochloromethane	4.39		ug/Kg	U	YES															
Dibromomethane	4.39		ug/Kg	U	YES															
Dichlorodifluoromethane	4.39		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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

4789

Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S2
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879040

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist To/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
Ethyl Benzene	4.39		ug/Kg	U	YES															
Hexachlorobutadiene	4.39		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.39		ug/Kg	U	YES															
m,p-Xylene	8.78		ug/Kg	U	YES															
Methyl iodide	4.39		ug/Kg	U	YES															
Methylene chloride	1.07		ug/Kg	J	YES	UJ			U					J						
Naphthalene	4.39		ug/Kg	U	YES	UJ					UJ									
n-Butylbenzene	4.39		ug/Kg	U	YES															
n-Propylbenzene	4.39		ug/Kg	U	YES															
o-Xylene	4.39		ug/Kg	U	YES															
sec-Butylbenzene	4.39		ug/Kg	U	YES															
Styrene	4.39		ug/Kg	U	YES	UJ					UJ									
tert-Butyl methyl ether (MTBE)	4.39		ug/Kg	U	YES															
tert-Butylbenzene	4.39		ug/Kg	U	YES															
Tetrachloroethene	4.39		ug/Kg	U	YES															
Toluene	4.39		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.39		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.39		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	22.0		ug/Kg	U	YES															
Trichloroethene	4.39		ug/Kg	U	YES															
Trichlorofluoromethane	4.39		ug/Kg	U	YES	UJ					UJ									
Vinyl chloride	4.39		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	327		ug/Kg	U	YES															
1,2-Dichlorobenzene	327		ug/Kg	U	YES															
1,3-Dichlorobenzene	327		ug/Kg	U	YES															
1,4-Dichlorobenzene	327		ug/Kg	U	YES															

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

Library Used: CampCarroll

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Report Date: 9/6/2011 08:22

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

4790

Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S2
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879040

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

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

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

Library Used: CampCarroll

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Report Date: 9/6/2011 08:22

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

4791

Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S2
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879040

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

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

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

Library Used: CampCarroll

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

4792

Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S2
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879040

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

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

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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

4793

Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S3
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879041

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6010C																				
Dilution: 1																				
Arsenic	0.959		mg/kg	U	YES															
Barium	89.3		mg/kg		YES															
Cadmium	0.480		mg/kg		YES	U			U											
Chromium	3.27		mg/kg		YES															
Lead	10.5		mg/kg		YES	J						J								
Selenium	1.92		mg/kg	U	YES															
Silver	0.320		mg/kg	J	YES	U			U											
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.0179		mg/kg	U	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-HCH (lindane)	10.0		ug/Kg	U	YES															

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

Library Used: CampCarroll

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Report Date: 9/6/2011 08:22

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

4794

Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S3

Lab Report Batch : 31101879

Lab ID : SGSW

Sample Date : 07/15/2011

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101879041

Reviewed By / Date :

Approved By / 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	0.0167		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0167		mg/kg	U	YES															
2,4'-D	0.0167		mg/kg	U	YES															
2,4-DB	0.0167		mg/kg	U	YES															
Dicamba	0.0167		mg/kg	U	YES															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.30		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.30		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.30		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.30		ug/Kg	U	YES															
1,1-Dichloroethane	4.30		ug/Kg	U	YES															
1,1-Dichloroethene	4.30		ug/Kg	U	YES															
1,1-Dichloropropene	4.30		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.30		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.30		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.30		ug/Kg	U	YES	UJ														
1,2,4-Trimethylbenzene	4.30		ug/Kg	U	YES	UJ														
1,2-Dibromo-3-chloropropane	25.8		ug/Kg	U	YES															
1,2-Dibromoethane	4.30		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.30		ug/Kg	U	YES															
1,2-Dichloroethane	4.30		ug/Kg	U	YES															

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

Library Used: CampCarroll

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Report Date: 9/6/2011 08:22

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

4795

Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S3
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879041

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2-Dichloropropane	4.30		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.30		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.30		ug/Kg	U	YES															
1,3-Dichloropropane	4.30		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.30		ug/Kg	U	YES															
2,2-Dichloropropane	4.30		ug/Kg	U	YES															
2-Butanone	2.53		ug/Kg	J	YES	J					J		J							
2-Chlorotoluene	4.30		ug/Kg	U	YES															
2-Hexanone	10.7		ug/Kg	U	YES															
4-Chlorotoluene	4.30		ug/Kg	U	YES															
4-Isopropyltoluene	4.30		ug/Kg	U	YES															
4-Methyl-2-pentanone	10.7		ug/Kg	U	YES															
Acetone	11.7		ug/Kg	J	YES	J					J		J							
Benzene	4.30		ug/Kg	U	YES															
Bromobenzene	4.30		ug/Kg	U	YES															
Bromochloromethane	4.30		ug/Kg	U	YES															
Bromodichloromethane	4.30		ug/Kg	U	YES															
Bromoform	4.30		ug/Kg	U	YES															
Bromomethane	4.30		ug/Kg	U	YES															
Carbon disulfide	4.30		ug/Kg	U	YES															
Carbon tetrachloride	4.30		ug/Kg	U	YES															
Chlorobenzene	4.30		ug/Kg	U	YES															
Chloroethane	4.30		ug/Kg	U	YES															
Chloroform	4.30		ug/Kg	U	YES															
Chloromethane	4.30		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.30		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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

4796

Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S3
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879041

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8260B																				
Dilution: 1																				
cis-1,3-Dichloropropene	4.30		ug/Kg	U	YES															
Dibromochloromethane	4.30		ug/Kg	U	YES															
Dibromomethane	4.30		ug/Kg	U	YES															
Dichlorodifluoromethane	4.30		ug/Kg	U	YES															
Ethyl Benzene	4.30		ug/Kg	U	YES															
Hexachlorobutadiene	4.30		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.30		ug/Kg	U	YES															
m,p-Xylene	8.60		ug/Kg	U	YES															
Methyl iodide	4.30		ug/Kg	U	YES															
Methylene chloride	1.13		ug/Kg	J	YES	UJ			U					J						
Naphthalene	4.30		ug/Kg	U	YES	UJ					UJ									
n-Butylbenzene	4.30		ug/Kg	U	YES															
n-Propylbenzene	4.30		ug/Kg	U	YES															
o-Xylene	4.30		ug/Kg	U	YES															
sec-Butylbenzene	4.30		ug/Kg	U	YES															
Styrene	4.30		ug/Kg	U	YES	UJ					UJ									
tert-Butyl methyl ether (MTBE)	4.30		ug/Kg	U	YES															
tert-Butylbenzene	4.30		ug/Kg	U	YES															
Tetrachloroethene	4.30		ug/Kg	U	YES															
Toluene	1.97		ug/Kg	J	YES	J								J						
trans-1,2-Dichloroethene	4.30		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.30		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	21.5		ug/Kg	U	YES															
Trichloroethene	4.30		ug/Kg	U	YES															
Trichlorofluoromethane	4.30		ug/Kg	U	YES	UJ					UJ									
Vinyl chloride	4.30		ug/Kg	U	YES															
Analysis Method : 8270D																				
Dilution: 1																				

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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

4797

Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S3
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879041

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	325		ug/Kg	U	YES															
1,2-Dichlorobenzene	325		ug/Kg	U	YES															
1,3-Dichlorobenzene	325		ug/Kg	U	YES															
1,4-Dichlorobenzene	325		ug/Kg	U	YES															
2,4,5-Trichlorophenol	325		ug/Kg	U	YES															
2,4,6-Trichlorophenol	325		ug/Kg	U	YES															
2,4-Dichlorophenol	325		ug/Kg	U	YES															
2,4-Dimethylphenol	325		ug/Kg	U	YES															
2,4-Dinitrotoluene	325		ug/Kg	U	YES															
2,6-Dinitrotoluene	325		ug/Kg	U	YES															
2-Chloronaphthalene	325		ug/Kg	U	YES															
2-Chlorophenol	325		ug/Kg	U	YES															
2-Methylnaphthalene	325		ug/Kg	U	YES															
2-Methylphenol	325		ug/Kg	U	YES															
2-Nitroaniline	325		ug/Kg	U	YES															
2-Nitrophenol	325		ug/Kg	U	YES															
3 and/or 4-Methylphenol	325		ug/Kg	U	YES															
3-Nitroaniline	325		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	325		ug/Kg	U	YES															
4-Chloro-3-methylphenol	325		ug/Kg	U	YES															
4-Chloroaniline	325		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	325		ug/Kg	U	YES															
4-Nitroaniline	325		ug/Kg	U	YES															
4-Nitrophenol	325		ug/Kg	U	YES															
Acenaphthene	325		ug/Kg	U	YES															
Acenaphthylene	325		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:22

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

4798

Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S3
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879041

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

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

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

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Sample Qualification Report (All Analytes)

Client Sample ID : E11-120-S3
 Sample Date : 07/15/2011
 Lab Sample ID: 31101879041

Lab Report Batch : 31101879
 Analysis Type: RES

Lab ID : SGSW
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

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

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

Library Used: CampCarroll

ADR 8.2

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

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