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# Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

**Method Batch :** VXX1783                      **Analysis Method :** 8260B                      **Analysis Date :** 07/16/2011  
**Preparation Batch :** VXX1783                      **Preparation Type :** 5035                      **Preparation Date :** 07/15/2011  
**Lab Reporting Batch :** 31101872                      **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
31245	SO	Bromomethane	132		10.00	75.00	125.00	20.00

Associated Samples	
Client Sample ID	Lab Sample ID
E11-113-S1	31101872016
E11-113-S1	31101872016
E11-113-S2	31101872017
E11-113-S2	31101872017
E11-113-S3	31101872018
E11-113-S3	31101872018
E11-113-S4	31101872019
E11-113-S4	31101872019
E11-114-S1	31101872021
E11-114-S1	31101872021
E11-114-S2	31101872022
E11-114-S2	31101872022
E11-114-S3	31101872023
E11-114-S3	31101872023
E11-114-S4	31101872024
E11-114-S4	31101872024
E11-115-S1	31101872027
E11-115-S1	31101872027
E11-118-S1	31101872002
E11-118-S1	31101872002
E11-119-S1	31101872006
E11-119-S1	31101872006
E11-119-S4	31101872009
E11-119-S4	31101872009
E11-124-S1	31101872010
E11-124-S1	31101872010
E11-124-S2	31101872011
E11-124-S2	31101872011
E11-124-S3	31101872012
E11-124-S3	31101872012
E11-124-S4	31101872013
E11-124-S4	31101872013

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 Carroll Agent Orange

# Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

**Method Batch :** VXX1790                      **Analysis Method :** 8260B                      **Analysis Date :** 07/18/2011  
**Preparation Batch :** VXX1790                      **Preparation Type :** 5035                      **Preparation Date :** 07/18/2011  
**Lab Reporting Batch :** 31101872                      **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
31275	SO	Bromomethane	134		10.00	75.00	125.00	20.00
31276		Bromomethane	143	6.5	10.00	75.00	125.00	20.00

Associated Samples	
Client Sample ID	Lab Sample ID
E11-115-S2	31101872028
E11-115-S2	31101872028
E11-115-S3	31101872029
E11-115-S3	31101872029
E11-115-S4	31101872030
E11-115-S4	31101872030
E11-116-S1	31101872033
E11-116-S1	31101872033
E11-116-S2	31101872034
E11-116-S2	31101872034
E11-116-S3	31101872035
E11-116-S3	31101872035
E11-116-S4	31101872036
E11-116-S4	31101872036
E11-118-S3	31101872004
E11-118-S3	31101872004

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 Carroll Agent Orange

# Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

**Method Batch :** VXX1797                      **Analysis Method :** 8260B                      **Analysis Date :** 07/19/2011  
**Preparation Batch :** VXX1797                      **Preparation Type :** 5035                      **Preparation Date :** 07/19/2011  
**Lab Reporting Batch :** 31101872                      **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
31543	SO	Bromomethane	127		10.00	75.00	125.00	20.00
31544		Bromomethane	139	9	10.00	75.00	125.00	20.00

<b>Associated Samples</b>	
Client Sample ID	Lab Sample ID
E11-118-S4	31101872005
E11-118-S4	31101872005

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: 5603 - 11-032E Carroll Agent Orange

# Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : XXX1541	Analysis Method : 8270D	Analysis Date : 07/18/2011
Preparation Batch : XXX1541	Preparation Type : 3541	Preparation Date : 07/17/2011
Lab Reporting Batch : 31101872	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
31272	SO	Di-n-octyl phthalate	74		10.00	75.00	120.00	60.00
		Hexachlorocyclopentadiene	1827		10.00	55.00	250.00	60.00

<b>Associated Samples</b>	
Client Sample ID	Lab Sample ID
E11-113-S1	31101872016
E11-113-S1	31101872016
E11-113-S2	31101872017
E11-113-S2	31101872017
E11-113-S3	31101872018
E11-113-S3	31101872018
E11-113-S4	31101872019
E11-113-S4	31101872019
E11-114-S1	31101872021
E11-114-S1	31101872021
E11-114-S2	31101872022
E11-114-S2	31101872022
E11-118-S1	31101872002
E11-118-S1	31101872002
E11-118-S2	31101872003
E11-118-S2	31101872003
E11-118-S3	31101872004
E11-118-S3	31101872004
E11-118-S4	31101872005
E11-118-S4	31101872005
E11-119-S1	31101872006
E11-119-S1	31101872006
E11-119-S2	31101872007
E11-119-S2	31101872007
E11-119-S3	31101872008
E11-119-S3	31101872008
E11-119-S4	31101872009
E11-119-S4	31101872009
E11-124-S1	31101872010
C11-124-S1	31101872010
E11-124-S2	31101872011
E11-124-S2	31101872011
E11-124-S3	31101872012
E11-124-S3	31101872012
E11-124-S4	31101872013
E11-124-S4	31101872013

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 Carroll Agent Orange

# Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

**Method Batch :** XXX1542                      **Analysis Method :** 8270D                      **Analysis Date :** 07/18/2011  
**Preparation Batch :** XXX1542                      **Preparation Type :** 3541                      **Preparation Date :** 07/17/2011  
**Lab Reporting Batch :** 31101872                      **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
31274	SO	2,4,5-Trichlorophenol	68		10.00	75.00	120.00	60.00
		2,4,6-Trichlorophenol	66		10.00	75.00	120.00	60.00
		2,6-Dinitrotoluene	73		10.00	75.00	120.00	60.00
		2-Chloronaphthalene	63		10.00	75.00	120.00	60.00
		2-Nitroaniline	61		10.00	75.00	120.00	60.00
		4-Nitrophenol	73		10.00	75.00	120.00	60.00
		Acenaphthylene	70		10.00	75.00	120.00	60.00
		Dimethyl phthalate	72		10.00	75.00	120.00	60.00
		Hexachlorocyclopentadiene	1544		10.00	55.00	250.00	60.00
		Nitrobenzene	131		10.00	75.00	120.00	60.00

Associated Samples	
Client Sample ID	Lab Sample ID
E11-114-S3	31101872023
E11-114-S3	31101872023
E11-114-S4	31101872024
E11-114-S4	31101872024
E11-115-S1	31101872027
E11-115-S1	31101872027
E11-115-S2	31101872028
E11-115-S2	31101872028
E11-115-S3	31101872029
E11-115-S3	31101872029
E11-115-S4	31101872030
E11-115-S4	31101872030
E11-116-S1	31101872033
E11-116-S1	31101872033
E11-116-S2	31101872034
E11-116-S2	31101872034
E11-116-S3	31101872035
E11-116-S3	31101872035
E11-116-S4	31101872036
E11-116-S4	31101872036

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 Carroll Agent Orange

**Matrix Spike / Matrix Spike Duplicate Recovery and RPD  
Outlier Report**

5606

# Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : VXX1783	Analysis Method : 8260B	Analysis Date : 07/16/2011
Preparation Batch : VXX1783	Preparation Type : 5035	Preparation Date : 07/16/2011
Lab Reporting Batch : 31101872	Lab ID: SGSW	

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
31101872013MS	31101872014	SO	1,1,2,2-Tetrachloroethane	131		10.00	70.00	130.00	20.00
			1,2,4-Trichlorobenzene	61		10.00	70.00	130.00	20.00
			1,2-Dibromo-3-chloropropane	150		10.00	70.00	130.00	20.00
			2-Butanone	165		10.00	70.00	130.00	20.00
			2-Hexanone	158		10.00	70.00	130.00	20.00
			4-Methyl-2-pentanone	183		10.00	70.00	130.00	20.00
			Styrene	53		10.00	70.00	130.00	20.00
31101872013MSD	31101872015		1,1,2,2-Tetrachloroethane	134		10.00	70.00	130.00	20.00
			1,2,4-Trichlorobenzene	68		10.00	70.00	130.00	20.00
			1,2-Dibromo-3-chloropropane	159		10.00	70.00	130.00	20.00
			2-Butanone	164		10.00	70.00	130.00	20.00
			2-Hexanone	164		10.00	70.00	130.00	20.00
			4-Methyl-2-pentanone	183		10.00	70.00	130.00	20.00
			Styrene	54		10.00	70.00	130.00	20.00

Associated Samples: All samples in Method Batch	
Client Sample ID	Lab Sample ID
E11-113-S1	31101872016
E11-113-S1	31101872016
E11-113-S2	31101872017
E11-113-S2	31101872017
E11-113-S3	31101872018
E11-113-S3	31101872018
E11-113-S4	31101872019
E11-113-S4	31101872019
E11-114-S1	31101872021
E11-114-S1	31101872021
E11-114-S2	31101872022
E11-114-S2	31101872022
E11-114-S3	31101872023
E11-114-S3	31101872023
E11-114-S4	31101872024
E11-114-S4	31101872024
E11-115-S1	31101872027
E11-115-S1	31101872027
E11-118-S1	31101872002
E11-118-S1	31101872002
E11-119-S1	31101872006
E11-119-S1	31101872006
E11-119-S4	31101872009
E11-119-S4	31101872009

\* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.  
 \*\* Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

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

5607



## Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

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E11-124-S1	31101872010
E11-124-S1	31101872010
E11-124-S2	31101872011
E11-124-S2	31101872011
E11-124-S3	31101872012
E11-124-S3	31101872012
E11-124-S4	31101872013
E11-124-S4	31101872013

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

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

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

5608

# Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : VXX1790	Analysis Method : 8260B	Analysis Date : 07/18/2011
Preparation Batch : VXX1790	Preparation Type : 5035	Preparation Date : 07/18/2011
Lab Reporting Batch : 31101872	Lab ID: SGSW	

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
31101872028MS	31606	SO	1,1,2,2-Tetrachloroethane	146		10.00	70.00	130.00	20.00
			1,2,3-Trichloropropane	147		10.00	70.00	130.00	20.00
			1,2-Dibromo-3-chloropropane	162		10.00	70.00	130.00	20.00
			2-Butanone	170		10.00	70.00	130.00	20.00
			2-Hexanone	176		10.00	70.00	130.00	20.00
			4-Methyl-2-pentanone	194		10.00	70.00	130.00	20.00
			Styrene	31		10.00	70.00	130.00	20.00

Associated Samples: All samples in Method Batch	
Client Sample ID	Lab Sample ID
E11-115-S2	31101872028
E11-115-S2	31101872028
E11-115-S3	31101872029
E11-115-S3	31101872029
E11-115-S4	31101872030
E11-115-S4	31101872030
E11-116-S1	31101872033
E11-116-S1	31101872033
E11-116-S2	31101872034
E11-116-S2	31101872034
E11-116-S3	31101872035
E11-116-S3	31101872035
E11-116-S4	31101872036
E11-116-S4	31101872036
E11-118-S3	31101872004
E11-118-S3	31101872004

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

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

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

# Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

**Method Batch :** XXX1539      **Analysis Method :** 8081      **Analysis Date :** 07/22/2011  
**Preparation Batch :** XXX1539      **Preparation Type :** 3541      **Preparation Date :** 07/16/2011  
**Lab Reporting Batch :** 31101872      **Lab ID :** SGSW

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
31101872013MS	31101872014	SO	4,4'-DDD	199		10.00	40.00	140.00	50.00
			4,4'-DDD	199		10.00	40.00	140.00	50.00
			4,4'-DDE	142		10.00	40.00	140.00	50.00
			4,4'-DDE	142		10.00	40.00	140.00	50.00
			4,4'-DDT	156		10.00	40.00	140.00	50.00
			4,4'-DDT	156		10.00	40.00	140.00	50.00
			alpha-BHC	166		10.00	40.00	140.00	50.00
			alpha-BHC	166		10.00	40.00	140.00	50.00
			alpha-Chlordane	2.6		10.00	40.00	140.00	50.00
			alpha-Chlordane	2.6		10.00	40.00	140.00	50.00
			beta-BHC	155		10.00	40.00	140.00	50.00
			beta-BHC	155		10.00	40.00	140.00	50.00
			Dieldrin	141		10.00	40.00	140.00	50.00
			Dieldrin	141		10.00	40.00	140.00	50.00
			gamma-BHC (Lindane)	755		10.00	40.00	140.00	50.00
			gamma-BHC (Lindane)	755		10.00	40.00	140.00	50.00
			gamma-Chlordane	155		10.00	40.00	140.00	50.00
			gamma-Chlordane	155		10.00	40.00	140.00	50.00
			Methoxychlor	168		10.00	40.00	140.00	50.00
			Methoxychlor	168		10.00	40.00	140.00	50.00
31101872013MSD	31101872015		4,4'-DDD	203		10.00	40.00	140.00	50.00
			4,4'-DDD	203		10.00	40.00	140.00	50.00
			4,4'-DDE	149		10.00	40.00	140.00	50.00
			4,4'-DDE	149		10.00	40.00	140.00	50.00
			alpha-BHC	166		10.00	40.00	140.00	50.00
			alpha-BHC	166		10.00	40.00	140.00	50.00
			beta-BHC	154		10.00	40.00	140.00	50.00
			beta-BHC	154		10.00	40.00	140.00	50.00
			Dieldrin	142		10.00	40.00	140.00	50.00
			Dieldrin	142		10.00	40.00	140.00	50.00
			Endosulfan II	142		10.00	40.00	140.00	50.00
			Endosulfan II	142		10.00	40.00	140.00	50.00
			gamma-BHC (Lindane)	554		10.00	40.00	140.00	50.00
			gamma-BHC (Lindane)	554		10.00	40.00	140.00	50.00
			Methoxychlor	151		10.00	40.00	140.00	50.00
			Methoxychlor	151		10.00	40.00	140.00	50.00

<b>Associated Samples: All samples in Method Batch</b>	
<b>Client Sample ID</b>	<b>Lab Sample ID</b>
E11-113-S1	31101872016

\* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.  
 \*\* Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

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

5610

# Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

E11-113-S1	31101872016
E11-113-S2	31101872017
E11-113-S2	31101872017
E11-113-S3	31101872018
E11-113-S3	31101872018
E11-113-S4	31101872019
E11-113-S4	31101872019
E11-114-S1	31101872021
E11-114-S1	31101872021
E11-114-S2	31101872022
E11-114-S2	31101872022
E11-118-S1	31101872002
E11-118-S1	31101872002
E11-118-S2	31101872003
E11-118-S2	31101872003
E11-118-S3	31101872004
E11-118-S3	31101872004
E11-118-S4	31101872005
E11-118-S4	31101872005
E11-119-S1	31101872006
E11-119-S1	31101872006
E11-119-S2	31101872007
E11-119-S2	31101872007
E11-119-S3	31101872008
E11-119-S3	31101872008
E11-119-S4	31101872009
E11-119-S4	31101872009
E11-124-S1	31101872010
E11-124-S1	31101872010
E11-124-S2	31101872011
E11-124-S2	31101872011
E11-124-S3	31101872012
E11-124-S3	31101872012
E11-124-S4	31101872013
E11-124-S4	31101872013

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

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

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

# Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

**Method Batch :** XXX1541                      **Analysis Method :** 8270D                      **Analysis Date :** 07/18/2011  
**Preparation Batch :** XXX1541                      **Preparation Type :** 3541                      **Preparation Date :** 07/17/2011  
**Lab Reporting Batch :** 31101872                      **Lab ID:** SGSW

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
31101872013MS	31101872014	SO	Hexachlorocyclopentadiene	1892		10.00	45.00	135.00	60.00
31101872013MSD	31101872015		Hexachlorocyclopentadiene	1788		10.00	45.00	135.00	60.00

Associated Samples: All samples in Method Batch	
Client Sample ID	Lab Sample ID
E11-113-S1	31101872016
E11-113-S1	31101872016
E11-113-S2	31101872017
E11-113-S2	31101872017
E11-113-S3	31101872018
E11-113-S3	31101872018
E11-113-S4	31101872019
E11-113-S4	31101872019
E11-114-S1	31101872021
E11-114-S1	31101872021
E11-114-S2	31101872022
E11-114-S2	31101872022
E11-118-S1	31101872002
E11-118-S1	31101872002
E11-118-S2	31101872003
E11-118-S2	31101872003
E11-118-S3	31101872004
E11-118-S3	31101872004
E11-118-S4	31101872005
E11-118-S4	31101872005
E11-119-S1	31101872006
E11-119-S1	31101872006
E11-119-S2	31101872007
E11-119-S2	31101872007
E11-119-S3	31101872008
E11-119-S3	31101872008
E11-119-S4	31101872009
E11-119-S4	31101872009
E11-124-S1	31101872010
E11-124-S1	31101872010
E11-124-S2	31101872011
E11-124-S2	31101872011
E11-124-S3	31101872012
E11-124-S3	31101872012
E11-124-S4	31101872013
E11-124-S4	31101872013

\* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.  
 \*\* Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

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

56/2

# Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

**Method Batch :** XXX1542                      **Analysis Method :** 8270D                      **Analysis Date :** 07/19/2011  
**Preparation Batch :** XXX1542                      **Preparation Type :** 3541                      **Preparation Date :** 07/17/2011  
**Lab Reporting Batch :** 31101872                      **Lab ID:** SGSW

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
31101872024MS	31101872025	SO	Hexachlorocyclopentadiene	3236		10.00	45.00	135.00	60.00
31101872024MSD	31101872026		Hexachlorocyclopentadiene	3214		10.00	45.00	135.00	60.00

Associated Samples: All samples in Method Batch	
Client Sample ID	Lab Sample ID
E11-114-S3	31101872023
E11-114-S3	31101872023
E11-114-S4	31101872024
E11-114-S4	31101872024
E11-115-S1	31101872027
E11-115-S1	31101872027
E11-115-S2	31101872028
E11-115-S2	31101872028
E11-115-S3	31101872029
E11-115-S3	31101872029
E11-115-S4	31101872030
E11-115-S4	31101872030
E11-116-S1	31101872033
E11-116-S1	31101872033
E11-116-S2	31101872034
E11-116-S2	31101872034
E11-116-S3	31101872035
E11-116-S3	31101872035
E11-116-S4	31101872036
E11-116-S4	31101872036

\* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.  
 \*\* Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

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

## Surrogate Recovery Outlier Report\*

\*Excludes samples diluted more than 20x

5614

## Surrogate Recovery Outlier Report

Lab Report Batch: 31101872

Lab ID: SGSW

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent)			Associated Target Analytes
							Lower Limit	Upper Limit	Reject Point	
31101872013MSD	31101872015	8151	1	SO	DCAA	186	35.0	135.0	10.0	All Target
31101872030MS	31101872031	8151	1	SO	DCAA	193	35.0	135.0	10.0	All Target
E11-113-S3	31101872018	8081	20	SO	Dibutylchloroendate	140	30.0	139.0	10.0	All Target

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

ADR 8.2

Report Date: 9/1/2011 18:34

Page 1 of 1

5615



## Laboratory Duplicate RPD Outlier Report

56/6

# Laboratory Duplicate RPD Outlier Report

Method Batch : MXX1361      Analysis Method : 6010C      Analysis Date : 07/19/2011  
 Lab Reporting Batch : 31101872      Lab ID: SGSW

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported RPD	Project Limit RPD
31101872019DUP	31284	SO	Chromium	74	20.00
			Chromium	74	20.00
			Lead	36	20.00
			Lead	36	20.00

Associated Samples: All samples in Method Batch	
Client Sample ID	Lab Sample ID
E11-113-S1	31101872016
E11-113-S2	31101872017
E11-113-S3	31101872018
E11-113-S4	31101872019
E11-118-S1	31101872002
E11-118-S2	31101872003
E11-118-S3	31101872004
E11-118-S4	31101872005
E11-119-S1	31101872006
E11-119-S2	31101872007
E11-119-S3	31101872008
E11-119-S4	31101872009
E11-124-S1	31101872010
E11-124-S2	31101872011
E11-124-S3	31101872012
E11-124-S4	31101872013

5617

# Sample Qualification Report

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

5618

Sample Qualification Report (All Analytes)

Client Sample ID : 31101872013MS  
 Sample Date :  
 Lab Sample ID: 31101872014

Lab Report Batch : 31101872  
 Analysis Type: DL

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/DIs	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081		Dilution: 50																		
Chlordane	1620		ug/Kg	U																
Chlordane	1620		ug/Kg	U																
Toxaphene	1620		ug/Kg	U																
Toxaphene	1620		ug/Kg	U																

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:58

Page 1 of 233

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

5619

Sample Qualification Report (All Analytes)

Client Sample ID : 31101872024MS

Lab Report Batch : 31101872

Lab ID : SGSW

Sample Date :

Analysis Type: RES

Sample Matrix : SO

Lab Sample ID: 31101872025

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081		Dilution: 1																		
Chlordane	34.3		ug/Kg	U																
Chlordane	34.3		ug/Kg	U																
Toxaphene	34.3		ug/Kg	U																
Toxaphene	34.3		ug/Kg	U																

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:58

Page 2 of 233

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

5620

Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S1  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872016

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	6.82		mg/kg		YES															
Arsenic	6.82		mg/kg		YES															
Barium	87.2		mg/kg		YES															
Barium	87.2		mg/kg		YES															
Cadmium	0.904		mg/kg		YES															
Cadmium	0.904		mg/kg		YES															
Chromium	5.69		mg/kg		YES	J						J								
Chromium	5.69		mg/kg		YES	J						J								
Lead	15.5		mg/kg		YES	J						J								
Lead	15.5		mg/kg		YES	J						J								
Selenium	1.92		mg/kg	U	YES															
Selenium	1.92		mg/kg	U	YES															
Silver	0.958		mg/kg	U	YES															
Silver	0.958		mg/kg	U	YES															
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.00143		mg/kg	J	YES															
Analysis Method : 8081																				
Dilution: 1																				
4,4'-DDD	3.31		ug/Kg	J	YES	J						J								
4,4'-DDD	3.31		ug/Kg	J	YES	J						J								
4,4'-DDE	8.42		ug/Kg	J	YES	J						J								
4,4'-DDE	8.42		ug/Kg	J	YES	J						J								
4,4'-DDT	35.6		ug/Kg		YES	J						J								
4,4'-DDT	35.6		ug/Kg		YES	J						J								
Aldrin	10.2		ug/Kg	U	YES															
Aldrin	10.2		ug/Kg	U	YES															
alpha-BHC	10.2		ug/Kg	U	YES															
alpha-BHC	10.2		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:58

Page 3 of 233

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

5621

Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S1  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872016

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	10.2		ug/Kg	U	YES	R					R									
alpha-Chlordane	10.2		ug/Kg	U	YES	R					R									
beta-BHC	10.2		ug/Kg	U	YES															
beta-BHC	10.2		ug/Kg	U	YES															
Chlordane	33.9		ug/Kg	U	YES															
Chlordane	33.9		ug/Kg	U	YES															
delta-BHC	10.2		ug/Kg	U	YES															
delta-BHC	10.2		ug/Kg	U	YES															
Dieldrin	10.2		ug/Kg	U	YES															
Dieldrin	10.2		ug/Kg	U	YES															
Endosulfan I	10.2		ug/Kg	U	YES															
Endosulfan I	10.2		ug/Kg	U	YES															
Endosulfan II	10.2		ug/Kg	U	YES															
Endosulfan II	10.2		ug/Kg	U	YES															
Endosulfan sulfate	10.2		ug/Kg	U	YES															
Endosulfan sulfate	10.2		ug/Kg	U	YES															
Endrin	10.2		ug/Kg	U	YES															
Endrin	10.2		ug/Kg	U	YES															
Endrin aldehyde	10.2		ug/Kg	U	YES															
Endrin aldehyde	10.2		ug/Kg	U	YES															
Endrin ketone	10.2		ug/Kg	U	YES															
Endrin ketone	10.2		ug/Kg	U	YES															
gamma-BHC (Lindane)	1.33		ug/Kg	J	YES	J					J									
gamma-BHC (Lindane)	1.33		ug/Kg	J	YES	J					J									
gamma-Chlordane	10.2		ug/Kg	U	YES															
gamma-Chlordane	10.2		ug/Kg	U	YES															

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

Library Used: CampCarroll

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Report Date: 9/6/2011 08:58

Page 4 of 233

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

5622

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S1  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872016

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

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
<b>Analysis Method : 8081</b>																				
<b>Dilution: 1</b>																				
Heptachlor	10.2		ug/Kg	U	YES															
Heptachlor	10.2		ug/Kg	U	YES															
Heptachlor epoxide	10.2		ug/Kg	U	YES															
Heptachlor epoxide	10.2		ug/Kg	U	YES															
Methoxychlor	1.27		ug/Kg	JP	YES	J					J									
Methoxychlor	1.27		ug/Kg	JP	YES	J					J									
Toxaphene	33.9		ug/Kg	U	YES															
Toxaphene	33.9		ug/Kg	U	YES															
<b>Analysis Method : 8151</b>																				
<b>Dilution: 1</b>																				
2,4,5-T	0.0170		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0170		mg/kg	U	YES															
2,4'-D	0.0170		mg/kg	U	YES															
2,4-DB	0.0170		mg/kg	U	YES															
Dicamba	0.0170		mg/kg	U	YES															
<b>Analysis Method : 8260B</b>																				
<b>Dilution: 1</b>																				
1,1,1,2-Tetrachloroethane	4.63		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.63		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.63		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.63		ug/Kg	U	YES															
1,1-Dichloroethane	4.63		ug/Kg	U	YES															
1,1-Dichloroethene	4.63		ug/Kg	U	YES															
1,1-Dichloropropene	4.63		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.63		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.63		ug/Kg	U	YES															
1,2,4-1-nchlorobenzene	4.63		ug/Kg	U	YES	UJ							UJ							
1,2,4-Trimethylbenzene	4.63		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	2 / 8		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:58

Page 5 of 233

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

5623



Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S1  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872016

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2-Dibromoethane	4.63		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.63		ug/Kg	U	YES															
1,2-Dichloroethane	4.63		ug/Kg	U	YES															
1,2-Dichloropropane	4.63		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.63		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.63		ug/Kg	U	YES															
1,3-Dichloropropane	4.63		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.63		ug/Kg	U	YES															
2,2-Dichloropropane	4.63		ug/Kg	U	YES															
2-Butanone	23.1		ug/Kg	U	YES															
2-Chlorotoluene	4.63		ug/Kg	U	YES															
2-Hexanone	11.6		ug/Kg	U	YES															
4-Chlorotoluene	4.63		ug/Kg	U	YES															
4-Isopropyltoluene	4.63		ug/Kg	U	YES															
4-Methyl-2-pentanone	11.6		ug/Kg	U	YES															
Acetone	26.0		ug/Kg	J	YES															
Benzene	4.63		ug/Kg	U	YES															
Bromobenzene	4.63		ug/Kg	U	YES															
Bromochloromethane	4.63		ug/Kg	U	YES															
Bromodichloromethane	4.63		ug/Kg	U	YES															
Bromoform	4.63		ug/Kg	U	YES															
Bromomethane	4.63		ug/Kg	U	YES															
Carbon disulfide	4.63		ug/Kg	U	YES															
Carbon tetrachloride	4.63		ug/Kg	U	YES															
Chlorobenzene	4.63		ug/Kg	U	YES															
Chloroethane	4.63		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 09:58

Page 6 of 233

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

56 24

Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S1  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872016

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	4.63		ug/Kg	U	YES															
Chloromethane	4.63		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.63		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.63		ug/Kg	U	YES															
Dibromochloromethane	4.63		ug/Kg	U	YES															
Dibromomethane	4.63		ug/Kg	U	YES															
Dichlorodifluoromethane	4.63		ug/Kg	U	YES															
Ethyl Benzene	4.63		ug/Kg	U	YES															
Hexachlorobutadiene	4.63		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.63		ug/Kg	U	YES															
m,p-Xylene	9.26		ug/Kg	U	YES															
Methyl iodide	4.63		ug/Kg	U	YES															
Methylene chloride	1.33		ug/Kg	J	YES															
Naphthalene	4.63		ug/Kg	U	YES															
n-Butylbenzene	4.63		ug/Kg	U	YES															
n-Propylbenzene	4.63		ug/Kg	U	YES															
o-Xylene	4.63		ug/Kg	U	YES															
sec-Butylbenzene	4.63		ug/Kg	U	YES															
Styrene	4.63		ug/Kg	U	YES	UJ														
tert-Butyl methyl ether (MTBE)	4.63		ug/Kg	U	YES															
tert-Butylbenzene	4.63		ug/Kg	U	YES															
Tetrachloroethene	4.63		ug/Kg	U	YES															
Toluene	4.63		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.63		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.63		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	23.1		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 9.2

Report Date: 9/6/2011 08:58

Page 7 of 233

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

5625

Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S1  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872016

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	4.63		ug/Kg	U	YES															
Trichlorofluoromethane	4.63		ug/Kg	U	YES															
Vinyl chloride	4.63		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	YCG															
4-Chlorophenyl phenyl ether	335		ug/Kg	U	YES															
4-Nitroaniline	335		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/5/2011 08:58

Page 8 of 233

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

5626

Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S1  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872016

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field GC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
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	70.1		ug/Kg	J	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	UJ					UJ									
Fluoranthene	335		ug/Kg	U	YES															
Fluorene	335		ug/Kg	U	YES															
Hexachlorobenzene	335		ug/Kg	U	YES															
Hexachlorobutadiene	335		ug/Kg	U	YCC															
Hexachlorocyclopentadiene	335		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:58

Page 9 of 233

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

5627

Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S1  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872016

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Molst ToUDis	Field QC	Tune	IC	ICV	CV/ 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															
Phenanthrene	335		ug/Kg	U	YES															
Phenol	335		ug/Kg	U	YES															
Pyrene	335		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:58

Page 10 of 233

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

5628

Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S2  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872017

Lab Report Batch : 31101872  
 Analysis Type: DL

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 5000																				
4,4'-DDD	49600		ug/Kg	U	YES															
4,4'-DDD	49600		ug/Kg	U	YES															
4,4'-DDE	49600		ug/Kg	U	YES															
4,4'-DDE	49600		ug/Kg	U	YES															
4,4'-DDT	49600		ug/Kg	U	YES															
4,4'-DDT	49600		ug/Kg	U	YES															
Aldrin	49600		ug/Kg	U	YES															
Aldrin	49600		ug/Kg	U	YES															
alpha-BHC	4380		ug/Kg	J	YES	J					J									
alpha-BHC	4380		ug/Kg	J	YES	J					J									
alpha-Chlordane	49600		ug/Kg	U	YES	R					R									
alpha-Chlordane	49600		ug/Kg	U	YES	R					R									
beta-BHC	49600		ug/Kg	U	YES															
beta-BHC	49600		ug/Kg	U	YES															
Chlordane	165000		ug/Kg	U	YES															
Chlordane	165000		ug/Kg	U	YES															
delta-BHC	4860		ug/Kg	J	YES															
delta-BHC	4860		ug/Kg	J	YES															
Dieldrin	49600		ug/Kg	U	YES															
Dieldrin	49600		ug/Kg	U	YES															
Endosulfan I	49600		ug/Kg	U	YES															
Endosulfan I	49600		ug/Kg	U	YES															
Endosulfan II	49600		ug/Kg	U	YES															
Endosulfan II	49600		ug/Kg	U	YES															
Endosulfan sulfate	49600		ug/Kg	U	YES															
Endosulfan sulfate	49600		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:58

Page 11 of 233

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

5629

Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S2  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872017

Lab Report Batch : 31101872  
 Analysis Type: DL

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 5000																				
Endrin	49600		ug/Kg	U	YES															
Endrin	49600		ug/Kg	U	YES															
Endrin aldehyde	49600		ug/Kg	U	YES															
Endrin aldehyde	49600		ug/Kg	U	YES															
Endrin ketone	49600		ug/Kg	U	YES															
Endrin ketone	49600		ug/Kg	U	YES															
gamma-BHC (Lindane)	64100		ug/Kg		YES	J					J									
gamma-BHC (Lindane)	64100		ug/Kg		YES	J					J									
gamma-Chlordane	49600		ug/Kg	U	YES															
gamma-Chlordane	49600		ug/Kg	U	YES															
Heptachlor	49600		ug/Kg	U	YES															
Heptachlor	49600		ug/Kg	U	YES															
Heptachlor epoxide	49600		ug/Kg	U	YES															
Heptachlor epoxide	49600		ug/Kg	U	YES															
Methoxychlor	49600		ug/Kg	U	YES															
Methoxychlor	49600		ug/Kg	U	YES															
Toxaphene	165000		ug/Kg	U	YES															
Toxaphene	165000		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8 2

Report Date: 9/6/2011 08:59

Page 12 of 233

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

5630

Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S2  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872017

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6010C																				
Dilution: 1																				
Arsenic	2.65		mg/kg		YES															
Arsenic	2.65		mg/kg		YES															
Barium	90.8		mg/kg		YES															
Barium	90.8		mg/kg		YES															
Cadmium	0.705		mg/kg		YES															
Cadmium	0.705		mg/kg		YES															
Chromium	4.51		mg/kg		YES	J						J								
Chromium	4.51		mg/kg		YES	J						J								
Lead	8.87		mg/kg		YES	J						J								
Lead	8.87		mg/kg		YES	J						J								
Selenium	2.04		mg/kg	U	YES															
Selenium	2.04		mg/kg	U	YES															
Silver	1.02		mg/kg	U	YES															
Silver	1.02		mg/kg	U	YES															
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.0212		mg/kg	U	YES															
Analysis Method : 8151																				
Dilution: 1																				
2,4,5-T	0.0174		mg/kg	U	YES															
2,4,5-T	0.0174		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0174		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0174		mg/kg	U	YES															
2,4-D	0.0174		mg/kg	U	YES															
2,4-D	0.0174		mg/kg	U	YES															
2,4-DB	0.0174		mg/kg	U	YES															
2,4-DB	0.0174		mg/kg	U	YES															
Dicamba	0.0174		mg/kg	U	YES															
Dicamba	0.0174		mg/kg	U	YCC															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 13 of 233

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

5631



Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S2  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872017

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.63		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.63		ug/Kg	U	YES															
1,1,1,2,2-Tetrachloroethane	4.63		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.63		ug/Kg	U	YES															
1,1-Dichloroethane	4.63		ug/Kg	U	YES															
1,1-Dichloroethane	4.63		ug/Kg	U	YES															
1,1-Dichloropropene	4.63		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.63		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.63		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.63		ug/Kg	U	YES	UJ					UJ									
1,2,4-Trimethylbenzene	4.63		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	27.8		ug/Kg	U	YES															
1,2-Dibromoethane	4.63		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.63		ug/Kg	U	YES															
1,2-Dichloroethane	4.63		ug/Kg	U	YES															
1,2-Dichloropropane	4.63		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.63		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.63		ug/Kg	U	YES															
1,3-Dichloropropane	4.63		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.63		ug/Kg	U	YES															
2,2-Dichloropropane	4.63		ug/Kg	U	YES															
2-Butanone	23.1		ug/Kg	U	YES															
2-Chlorotoluene	4.63		ug/Kg	U	YES															
2-Hexanone	11.6		ug/Kg	U	YES															
4-Chlorotoluene	4.63		ug/Kg	U	YES															
4-Isopropyltoluene	4.63		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 14 of 233

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

5632

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S2  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872017

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Die	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
4-Methyl-2-pentanone	11.6		ug/Kg	U	YES															
Acetone	17.8		ug/Kg	J	YES															
Benzene	4.63		ug/Kg	U	YES															
Bromobenzene	4.63		ug/Kg	U	YES															
Bromochloromethane	4.63		ug/Kg	U	YES															
Bromodichloromethane	4.63		ug/Kg	U	YES															
Bromofom	4.63		ug/Kg	U	YES															
Bromomethane	4.63		ug/Kg	U	YES															
Carbon disulfide	4.63		ug/Kg	U	YES															
Carbon tetrachloride	4.63		ug/Kg	U	YES															
Chlorobenzene	4.63		ug/Kg	U	YES															
Chloroethane	4.63		ug/Kg	U	YES															
Chloroform	4.63		ug/Kg	U	YES															
Chloromethane	4.63		ug/Kg	U	YES															
cis-1,2-Dichloroethane	4.63		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.63		ug/Kg	U	YES															
Dibromochloromethane	4.63		ug/Kg	U	YES															
Dibromomethane	4.63		ug/Kg	U	YES															
Dichlorodifluoromethane	4.63		ug/Kg	U	YES															
Ethyl Benzene	4.63		ug/Kg	U	YES															
Hexachlorobutadiene	4.63		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.63		ug/Kg	U	YES															
m,p-Xylene	9.26		ug/Kg	U	YES															
Methyl iodide	4.63		ug/Kg	U	YES															
Methylene chloride	1.35		ug/Kg	J	YCG															
Naphthalene	4.63		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 15 of 233

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

5633

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S2  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872017

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Reg Limit	Moist Tot/DIs	Field QC	Tune	IC	ICV	CV/ CCV
<b>Analysis Method : 8260B</b>																				
Dilution: 1																				
n-Butylbenzene	4.63		ug/Kg	U	YES															
n-Propylbenzene	4.63		ug/Kg	U	YES															
o-Xylene	4.63		ug/Kg	U	YES															
sec-Butylbenzene	4.63		ug/Kg	U	YES															
Styrene	4.63		ug/Kg	U	YES	UJ					UJ									
tert-Butyl methyl ether (MTBE)	4.63		ug/Kg	U	YES															
tert-Butylbenzene	4.63		ug/Kg	U	YES															
Tetrachloroethene	4.63		ug/Kg	U	YES															
Toluene	4.63		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.63		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.63		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	23.1		ug/Kg	U	YES															
Trichloroethene	4.63		ug/Kg	U	YES															
Trichlorofluoromethane	4.63		ug/Kg	U	YES															
Vinyl chloride	4.63		ug/Kg	U	YES															
<b>Analysis Method : 8270D</b>																				
Dilution: 1																				
1,2,4-Trichlorobenzene	50.2		ug/Kg	J	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															
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															

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

Library Used: CampCarroll

ADR R 2

Report Date: 9/6/2011 08:59

Page 16 of 233

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

5634

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S2  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872017

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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-Chlorophenol	336		ug/Kg	U	YES															
2-Methylnaphthalene	961		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															
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	114		ug/Kg	J	YES															
Butyl benzyl phthalate	336		ug/Kg	U	YES															

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

Library Used: CampCarroll

AQR 8 ?

Report Date: 9/6/2011 08:59

Page 17 of 233

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

5635

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S2  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872017

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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																				
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	UJ					UJ									
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	40.2		ug/Kg	J	YES															
Nitrobenzene	336		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	336		ug/Kg	U	YES															
Pentachlorophenol	336		ug/Kg	U	YES															
Phenanthrene	336		ug/Kg	U	YES															
Phenol	336		ug/Kg	U	YES															
Pyrene	336		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8 ?

Report Date: 9/6/2011 08:58

Page 18 of 233

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

5636

Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S3  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872018

Lab Report Batch : 31101872  
 Analysis Type: DL

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	
Analysis Method : 8081																					
Dilution: 20																					
4,4'-DDD	201		ug/Kg	U	YES																
4,4'-DDD	201		ug/Kg	U	YES																
4,4'-DDE	201		ug/Kg	U	YES																
4,4'-DDE	201		ug/Kg	U	YES																
4,4'-DDT	201		ug/Kg	U	YES																
4,4'-DDT	201		ug/Kg	U	YES																
Aldrin	201		ug/Kg	U	YES																
Aldrin	201		ug/Kg	U	YES																
alpha-BHC	19.8		ug/Kg	J	YES	J					J			J							
alpha-BHC	19.8		ug/Kg	J	YES	J					J			J							
alpha-Chlordane	201		ug/Kg	U	YES	R					R										
alpha-Chlordane	201		ug/Kg	U	YES	R					R										
beta-BHC	201		ug/Kg	U	YES																
beta-BHC	201		ug/Kg	U	YES																
Chlordane	670		ug/Kg	U	YES																
Chlordane	670		ug/Kg	U	YES																
delta-BHC	29.0		ug/Kg	J	YES	J								J							
delta-BHC	29.0		ug/Kg	J	YES	J								J							
Dieldrin	201		ug/Kg	U	YES																
Dieldrin	201		ug/Kg	U	YES																
Endosulfan I	201		ug/Kg	U	YES																
Endosulfan I	201		ug/Kg	U	YES																
Endosulfan II	201		ug/Kg	U	YES																
Endosulfan II	201		ug/Kg	U	YES																
Endosulfan sulfate	201		ug/Kg	U	YES																
Endosulfan sulfate	201		ug/Kg	U	YES																

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 19 of 233

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

5637

Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S3  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872018

Lab Report Batch : 31101872  
 Analysis Type: DL

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 20																				
Endrin	201		ug/Kg	U	YES															
Endrin	201		ug/Kg	U	YES															
Endrin aldehyde	201		ug/Kg	U	YES															
Endrin aldehyde	201		ug/Kg	U	YES															
Endrin ketone	201		ug/Kg	U	YES															
Endrin ketone	201		ug/Kg	U	YES															
gamma-BHC (Lindane)	415		ug/Kg		YES	J					J		J							
gamma-BHC (Lindane)	415		ug/Kg		YES	J					J		J							
gamma-Chlordane	201		ug/Kg	U	YES															
gamma-Chlordane	201		ug/Kg	U	YES															
Heptachlor	201		ug/Kg	U	YES															
Heptachlor	201		ug/Kg	U	YES															
Heptachlor epoxide	201		ug/Kg	U	YES															
Heptachlor epoxide	201		ug/Kg	U	YES															
Methoxychlor	201		ug/Kg	U	YES															
Methoxychlor	201		ug/Kg	U	YES															
Toxaphene	670		ug/Kg	U	YES															
Toxaphene	670		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 20 of 233

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

5638

Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S3  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872018

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
<b>Analysis Method : 6010C</b>				<b>Dilution: 1</b>																
Arsenic	0.969		mg/kg		YES															
Arsenic	0.969		mg/kg		YES															
Barium	70.9		mg/kg		YES															
Barium	70.9		mg/kg		YES															
Cadmium	0.542		mg/kg		YES															
Cadmium	0.542		mg/kg		YES															
Chromium	5.85		mg/kg		YES	J						J								
Chromium	5.85		mg/kg		YES	J						J								
Lead	4.57		mg/kg		YES	J						J								
Lead	4.57		mg/kg		YES	J						J								
Selenium	0.874		mg/kg	J	YES															
Selenium	0.874		mg/kg	J	YES															
Silver	0.945		mg/kg	U	YES															
Silver	0.945		mg/kg	U	YES															
<b>Analysis Method : 7471B</b>				<b>Dilution: 1</b>																
Mercury	0.0207		mg/kg	U	YES															
<b>Analysis Method : 8151</b>				<b>Dilution: 1</b>																
2,4,5-T	0.0168		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0168		mg/kg	U	YES															
2,4'-D	0.0168		mg/kg	U	YES															
2,4-DB	0.0168		mg/kg	U	YES															
Dicamba	0.0168		mg/kg	U	YES															
<b>Analysis Method : 8260B</b>				<b>Dilution: 1</b>																
1,1,1,2-Tetrachloroethane	4.60		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.60		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.60		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.60		ug/Kg	U	YES															

Project Number and Name: 12 - 11-032E Carroll Agent Orange

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 21 of 233

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

5639



# Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S3  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872018

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,1-Dichloroethane	4.60		ug/Kg	U	YES															
1,1-Dichloroethene	4.60		ug/Kg	U	YES															
1,1-Dichloropropane	4.60		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.60		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.60		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.60		ug/Kg	U	YES	UJ					UJ									
1,2,4-Trimethylbenzene	4.60		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	27.6		ug/Kg	U	YES															
1,2-Dibromoethane	4.60		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.60		ug/Kg	U	YES															
1,2-Dichloroethane	4.60		ug/Kg	U	YES															
1,2-Dichloropropane	4.60		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.60		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.60		ug/Kg	U	YES															
1,3-Dichloropropane	4.60		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.60		ug/Kg	U	YES															
2,2-Dichloropropane	4.60		ug/Kg	U	YES															
2-Butanone	23.0		ug/Kg	U	YES															
2-Chlorotoluene	4.60		ug/Kg	U	YES															
2-Hexanone	11.5		ug/Kg	U	YES															
4-Chlorotoluene	4.60		ug/Kg	U	YES															
4-Isopropyltoluene	4.60		ug/Kg	U	YES															
4-Methyl-2-pentanone	11.5		ug/Kg	U	YES															
Acetone	12.6		ug/Kg	J	YES															
Benzene	4.60		ug/Kg	U	YES															
Bromobenzene	4.60		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 22 of 233

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

5640

Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S3  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872018

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Quat*	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																					
Bromochloromethane	4.60		ug/Kg	U	YES																
Bromodichloromethane	4.60		ug/Kg	U	YES																
Bromoform	4.60		ug/Kg	U	YES																
Bromomethane	4.60		ug/Kg	U	YES																
Carbon disulfide	4.60		ug/Kg	U	YES																
Carbon tetrachloride	4.60		ug/Kg	U	YES																
Chlorobenzene	4.60		ug/Kg	U	YES																
Chloroethane	4.60		ug/Kg	U	YES																
Chloroform	4.60		ug/Kg	U	YES																
Chloromethane	4.60		ug/Kg	U	YES																
cis-1,2-Dichloroethene	4.60		ug/Kg	U	YES																
cis-1,3-Dichloropropene	4.60		ug/Kg	U	YES																
Dibromochloromethane	4.60		ug/Kg	U	YES																
Dibromomethane	4.60		ug/Kg	U	YES																
Dichlorodifluoromethane	4.60		ug/Kg	U	YES																
Ethyl Benzene	4.60		ug/Kg	U	YES																
Hexachlorobutadiene	4.60		ug/Kg	U	YES																
isopropylbenzene (Cumene)	4.60		ug/Kg	U	YES																
m,p-Xylene	9.21		ug/Kg	U	YES																
Methyl iodide	4.60		ug/Kg	U	YES																
Methylene chloride	1.03		ug/Kg	J	YES																
Naphthalene	4.60		ug/Kg	U	YES																
n-Butylbenzene	4.60		ug/Kg	U	YES																
n-Propylbenzene	4.60		ug/Kg	U	YES																
o-Xylene	4.60		ug/Kg	U	YCC																
sec-Butylbenzene	4.60		ug/Kg	U	YES																

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 23 of 233

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

5641

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S3  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872018

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Quat*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist TotDis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8260B</b>																				
<b>Dilution: 1</b>																				
Styrene	4.60		ug/Kg	U	YES	UJ						UJ								
tert-Butyl methyl ether (MTBE)	4.60		ug/Kg	U	YES															
tert-Butylbenzene	4.60		ug/Kg	U	YES															
Tetrachloroethene	1.31		ug/Kg	J	YES															
Toluene	4.60		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.60		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.60		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	23.0		ug/Kg	U	YES															
Trichloroethene	4.60		ug/Kg	U	YES															
Trichlorofluoromethane	4.60		ug/Kg	U	YES															
Vinyl chloride	4.60		ug/Kg	U	YES															
<b>Analysis Method : 8270D</b>																				
<b>Dilution: 1</b>																				
1,2,4-Trichlorobenzene	323		ug/Kg	U	YES															
1,2-Dichlorobenzene	323		ug/Kg	U	YES															
1,3-Dichlorobenzene	323		ug/Kg	U	YES															
1,4-Dichlorobenzene	323		ug/Kg	U	YES															
2,4,5-Trichlorophenol	323		ug/Kg	U	YES															
2,4,6-Trichlorophenol	323		ug/Kg	U	YES															
2,4-Dichlorophenol	323		ug/Kg	U	YES															
2,4-Dimethylphenol	323		ug/Kg	U	YES															
2,4-Dinitrotoluene	323		ug/Kg	U	YES															
2,6-Dinitrotoluene	323		ug/Kg	U	YES															
2-Chloronaphthalene	323		ug/Kg	U	YES															
2-Chlorophenol	323		ug/Kg	U	YES															
2-Methylnaphthalene	323		ug/Kg	U	YES															
2-Methylphenol	323		ug/Kg	U	YES															
2-Nitroaniline	323		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 24 of 233

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

5642

Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S3  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872018

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist ToUDis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
2-Nitrophenol	323		ug/Kg	U	YES															
3 and/or 4-Methylphenol	323		ug/Kg	U	YES															
3-Nitroaniline	323		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	323		ug/Kg	U	YES															
4-Chloro-3-methylphenol	323		ug/Kg	U	YES															
4-Chloroaniline	323		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	323		ug/Kg	U	YES															
4-Nitroaniline	323		ug/Kg	U	YES															
4-Nitrophenol	323		ug/Kg	U	YES															
Acenaphthene	323		ug/Kg	U	YES															
Acenaphthylene	323		ug/Kg	U	YES															
Anthracene	323		ug/Kg	U	YES															
Benzo(a)anthracene	323		ug/Kg	U	YES															
Benzo(a)pyrene	323		ug/Kg	U	YES															
Benzo(b)fluoranthene	323		ug/Kg	U	YES															
Benzo(g,h,i)perylene	323		ug/Kg	U	YES															
Benzo(k)fluoranthene	323		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	323		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	323		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	323		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	323		ug/Kg	U	YES															
Butyl benzyl phthalate	323		ug/Kg	U	YES															
Chrysene	323		ug/Kg	U	YES															
Dibenz(a,h)anthracene	323		ug/Kg	U	YES															
Dibenzofuran	323		ug/Kg	U	YES															
Diethyl phthalate	323		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 25 of 233

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

5643

Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S3  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872018

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
Dimethyl phthalate	323		ug/Kg	U	YES															
Di-n-butyl phthalate	323		ug/Kg	U	YES															
Di-n-octyl phthalate	323		ug/Kg	U	YES	UJ				UJ										
Fluoranthene	323		ug/Kg	U	YES															
Fluorene	323		ug/Kg	U	YES															
Hexachlorobenzene	323		ug/Kg	U	YES															
Hexachlorobutadiene	323		ug/Kg	U	YES															
Hexachlorocyclopentadiene	323		ug/Kg	U	YES															
Hexachloroethane	323		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	323		ug/Kg	U	YES															
Isophorone	323		ug/Kg	U	YES															
Naphthalene	323		ug/Kg	U	YES															
Nitrobenzene	323		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	323		ug/Kg	U	YES															
Pentachlorophenol	323		ug/Kg	U	YES															
Phenanthrene	323		ug/Kg	U	YES															
Phenol	323		ug/Kg	U	YES															
Pyrene	323		ug/Kg	U	YES															

5644

Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S4  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872019

Lab Report Batch : 31101872  
 Analysis Type: DL

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dls	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 50																				
4,4'-DDD	492		ug/Kg	U	YES															
4,4'-DDD	492		ug/Kg	U	YES															
4,4'-DDE	492		ug/Kg	U	YES															
4,4'-DDE	492		ug/Kg	U	YES															
4,4'-DDT	492		ug/Kg	U	YES															
4,4'-DDT	492		ug/Kg	U	YES															
Aldrin	492		ug/Kg	U	YES															
Aldrin	492		ug/Kg	U	YES															
alpha-BHC	492		ug/Kg	U	YES															
alpha-BHC	492		ug/Kg	U	YES															
alpha-Chlordane	492		ug/Kg	U	YES	R					R									
alpha-Chlordane	492		ug/Kg	U	YES	R					R									
beta-BHC	492		ug/Kg	U	YES															
beta-BHC	492		ug/Kg	U	YES															
Chlordane	1640		ug/Kg	U	YES															
Chlordane	1640		ug/Kg	U	YES															
delta-BHC	38.3		ug/Kg	J	YES															
delta-BHC	38.3		ug/Kg	J	YES															
Dieldrin	492		ug/Kg	U	YES															
Dieldrin	492		ug/Kg	U	YES															
Endosulfan I	492		ug/Kg	U	YES															
Endosulfan I	492		ug/Kg	U	YES															
Endosulfan II	492		ug/Kg	U	YES															
Endosulfan II	492		ug/Kg	U	YES															
Endosulfan sulfate	492		ug/Kg	U	YES															
Endosulfan sulfate	492		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR # 2

Report Date: 9/6/2011 08:59

Page 27 of 233

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

5645

Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S4  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872019

Lab Report Batch : 31101872  
 Analysis Type: DL

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 50																				
Endrin	492		ug/Kg	U	YES															
Endrin	492		ug/Kg	U	YES															
Endrin aldehyde	492		ug/Kg	U	YES															
Endrin aldehyde	492		ug/Kg	U	YES															
Endrin ketone	492		ug/Kg	U	YES															
Endrin ketone	492		ug/Kg	U	YES															
gamma-BHC (Lindane)	695		ug/Kg		YES	J					J									
gamma-BHC (Lindane)	695		ug/Kg		YES	J					J									
gamma-Chlordane	492		ug/Kg	U	YES															
gamma-Chlordane	492		ug/Kg	U	YES															
Heptachlor	492		ug/Kg	U	YES															
Heptachlor	492		ug/Kg	U	YES															
Heptachlor epoxide	492		ug/Kg	U	YES															
Heptachlor epoxide	492		ug/Kg	U	YES															
Methoxychlor	492		ug/Kg	U	YES															
Methoxychlor	492		ug/Kg	U	YES															
Toxaphene	1640		ug/Kg	U	YES															
Toxaphene	1640		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 28 of 233

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

5646

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S4  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872019

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 6010C</b>				<b>Dilution: 1</b>																
Arsenic	1.58		mg/kg		YES															
Arsenic	1.58		mg/kg		YES															
Barium	65.9		mg/kg		YES															
Barium	65.9		mg/kg		YES															
Cadmium	0.663		mg/kg		YES															
Cadmium	0.663		mg/kg		YES															
Chromium	14.0		mg/kg		YES	J							J							
Chromium	14.0		mg/kg		YES	J							J							
Lead	8.68		mg/kg		YES	J							J							
Lead	8.68		mg/kg		YES	J							J							
Selenium	1.90		mg/kg	U	YES															
Selenium	1.90		mg/kg	U	YES															
Silver	0.951		mg/kg	U	YES															
Silver	0.951		mg/kg	U	YES															
<b>Analysis Method : 7471B</b>				<b>Dilution: 1</b>																
Mercury	0.0190		mg/kg	U	YES															
<b>Analysis Method : 8151</b>				<b>Dilution: 1</b>																
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															
<b>Analysis Method : 8260B</b>				<b>Dilution: 1</b>																
1,1,1,2-Tetrachloroethane	4.62		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.62		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.62		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.62		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 29 of 233

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

5647



# Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S4  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872019

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,1-Dichloroethane	4.62		ug/Kg	U	YES															
1,1-Dichloroethene	4.62		ug/Kg	U	YES															
1,1-Dichloropropene	4.62		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.62		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.62		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.62		ug/Kg	U	YES	UJ					UJ									
1,2,4-Trimethylbenzene	4.62		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	27.7		ug/Kg	U	YES															
1,2-Dibromoethane	4.62		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.62		ug/Kg	U	YES															
1,2-Dichloroethane	4.62		ug/Kg	U	YES															
1,2-Dichloropropane	4.62		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.62		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.62		ug/Kg	U	YES															
1,3-Dichloropropane	4.62		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.62		ug/Kg	U	YES															
2,2-Dichloropropane	4.62		ug/Kg	U	YES															
2-Butanone	23.1		ug/Kg	U	YES															
2-Chlorotoluene	4.62		ug/Kg	U	YES															
2-Hexanone	11.5		ug/Kg	U	YES															
4-Chlorotoluene	4.62		ug/Kg	U	YES															
4-Isopropyltoluene	4.62		ug/Kg	U	YES															
4-Methyl-2-pentanone	11.5		ug/Kg	U	YES															
Acetone	8.32		ug/Kg	J	YES															
Benzene	0.905		ug/Kg	J	YES															
Bromobenzene	4.62		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8 ?

Report Date: 9/6/2011 08:59

Page 30 of 233

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

5648

Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S4  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872019

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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																				
Bromochloromethane	4.62		ug/Kg	U	YES															
Bromodichloromethane	4.62		ug/Kg	U	YES															
Bromoform	4.62		ug/Kg	U	YES															
Bromomethane	4.62		ug/Kg	U	YES															
Carbon disulfide	4.62		ug/Kg	U	YES															
Carbon tetrachloride	4.62		ug/Kg	U	YES															
Chlorobenzene	4.62		ug/Kg	U	YES															
Chloroethane	4.62		ug/Kg	U	YES															
Chloroform	4.62		ug/Kg	U	YES															
Chloromethane	4.62		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.62		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.62		ug/Kg	U	YES															
Dibromochloromethane	4.62		ug/Kg	U	YES															
Dibromomethane	4.62		ug/Kg	U	YES															
Dichlorodifluoromethane	4.62		ug/Kg	U	YES															
Ethyl Benzene	4.62		ug/Kg	U	YES															
Hexachlorobutadiene	4.62		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.62		ug/Kg	U	YES															
m,p-Xylene	9.23		ug/Kg	U	YES															
Methyl iodide	4.62		ug/Kg	U	YES															
Methylene chloride	18.5		ug/Kg	U	YES															
Naphthalene	4.62		ug/Kg	U	YES															
n-Butylbenzene	4.62		ug/Kg	U	YES															
n-Propylbenzene	4.62		ug/Kg	U	YES															
o-Xylene	4.62		ug/Kg	U	YES															
sec-Butylbenzene	4.62		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 0/6/2011 08:50

Page 31 of 233

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

5649

Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S4  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872019

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist TotDis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8260B</b>																				
<b>Dilution: 1</b>																				
Styrene	4.62		ug/Kg	U	YES	UJ					UJ									
tert-Butyl methyl ether (MTBE)	4.62		ug/Kg	U	YES															
tert-Butylbenzene	4.62		ug/Kg	U	YES															
Tetrachloroethene	0.785		ug/Kg	J	YES															
Toluene	0.960		ug/Kg	J	YES															
trans-1,2-Dichloroethene	4.62		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.62		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	23.1		ug/Kg	U	YES															
Trichloroethene	4.62		ug/Kg	U	YES															
Trichlorofluoromethane	4.62		ug/Kg	U	YES															
Vinyl chloride	4.62		ug/Kg	U	YES															
<b>Analysis Method : 8270D</b>																				
<b>Dilution: 1</b>																				
1,2,4-Trichlorobenzene	330		ug/Kg	U	YES															
1,2-Dichlorobenzene	330		ug/Kg	U	YES															
1,3-Dichlorobenzene	330		ug/Kg	U	YES															
1,4-Dichlorobenzene	330		ug/Kg	U	YES															
2,4,5-Trichlorophenol	330		ug/Kg	U	YES															
2,4,6-Trichlorophenol	330		ug/Kg	U	YES															
2,4-Dichlorophenol	330		ug/Kg	U	YES															
2,4-Dimethylphenol	330		ug/Kg	U	YES															
2,4-Dinitrotoluene	330		ug/Kg	U	YES															
2,6-Dinitrotoluene	330		ug/Kg	U	YES															
2-Chloronaphthalene	330		ug/Kg	U	YES															
2-Chlorophenol	330		ug/Kg	U	YES															
2-Methylnaphthalene	330		ug/Kg	U	YES															
2-Methylphenol	330		ug/Kg	U	YES															
2-Nitroaniline	330		ug/Kg	U	YES															

Project Number and Name: 108 - 11-032E Carroll Agent Orange

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 32 of 233

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

5650

Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S4  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872019

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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-Nitrophenol	330		ug/Kg	U	YES															
3 and/or 4-Methylphenol	330		ug/Kg	U	YES															
3-Nitroaniline	330		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	330		ug/Kg	U	YES															
4-Chloro-3-methylphenol	330		ug/Kg	U	YES															
4-Chloroaniline	330		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	330		ug/Kg	U	YES															
4-Nitroaniline	330		ug/Kg	U	YES															
4-Nitrophenol	330		ug/Kg	U	YES															
Acenaphthene	330		ug/Kg	U	YES															
Acenaphthylene	330		ug/Kg	U	YES															
Anthracene	330		ug/Kg	U	YES															
Benzo(a)anthracene	330		ug/Kg	U	YES															
Benzo(a)pyrene	330		ug/Kg	U	YES															
Benzo(b)fluoranthene	330		ug/Kg	U	YES															
Benzo(g,h,i)perylene	330		ug/Kg	U	YES															
Benzo(k)fluoranthene	330		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	330		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	330		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	330		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	3130		ug/Kg		YES															
Butyl benzyl phthalate	330		ug/Kg	U	YES															
Chrysene	330		ug/Kg	U	YES															
Dibenz(a,h)anthracene	330		ug/Kg	U	YES															
Dibenzofuran	330		ug/Kg	U	YES															
Diethyl phthalate	330		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 33 of 233

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

5651

Sample Qualification Report (All Analytes)

Client Sample ID : E11-113-S4  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872019

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270D																				
Dilution: 1																				
Dimethyl phthalate	330		ug/Kg	U	YES															
Di-n-butyl phthalate	330		ug/Kg	U	YES															
Di-n-octyl phthalate	330		ug/Kg	U	YES	UJ					UJ									
Fluoranthene	330		ug/Kg	U	YES															
Fluorene	330		ug/Kg	U	YES															
Hexachlorobenzene	330		ug/Kg	U	YES															
Hexachlorobutadiene	330		ug/Kg	U	YES															
Hexachlorocyclopentadiene	330		ug/Kg	U	YES															
Hexachloroethane	330		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	330		ug/Kg	U	YES															
Isophorone	330		ug/Kg	U	YES															
Naphthalene	330		ug/Kg	U	YES															
Nitrobenzene	330		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	330		ug/Kg	U	YES															
Pentachlorophenol	330		ug/Kg	U	YES															
Phenanthrene	330		ug/Kg	U	YES															
Phenol	330		ug/Kg	U	YES															
Pyrene	330		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/3/2011 08:59

Page 34 of 233

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

5652

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S1  
 Sample Date : 07/12/2011  
 Lab Sample ID: 31101872021

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist To/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 6010C																				
Dilution: 1																				
Arsenic	1.89		mg/kg		YES															
Arsenic	1.89		mg/kg		YES															
Barium	81.4		mg/kg		YES															
Barium	81.4		mg/kg		YES															
Cadmium	0.615		mg/kg		YES	U					U									
Cadmium	0.615		mg/kg		YES	U					U									
Chromium	4.78		mg/kg		YES															
Chromium	4.78		mg/kg		YES															
Lead	9.76		mg/kg		YES															
Lead	9.76		mg/kg		YES															
Selenium	1.87		mg/kg	U	YES															
Selenium	1.87		mg/kg	U	YES															
Silver	0.935		mg/kg	U	YES															
Silver	0.935		mg/kg	U	YES															
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.0220		mg/kg	U	YES															
Analysis Method : 8081																				
Dilution: 1																				
4,4'-DDD	10.4		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	1.79		ug/Kg	J P	YES	J					J									
4,4'-DDT	1.79		ug/Kg	J P	YES	J					J									
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															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 35 of 233

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

5653

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S1  
 Sample Date : 07/12/2011  
 Lab Sample ID: 31101872021

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	10.4		ug/Kg	U	YES	R						R								
alpha-Chlordane	10.4		ug/Kg	U	YES	R						R								
beta-BHC	10.4		ug/Kg	U	YES															
beta-BHC	10.4		ug/Kg	U	YES															
Chlordane	34.6		ug/Kg	U	YES															
Chlordane	34.6		ug/Kg	U	YES															
delta-BHC	10.4		ug/Kg	U	YES															
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															

Project Number and Name: 1\*2 - 11-032E Carroll Agent Orange

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 36 of 233

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

5654

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S1  
 Sample Date : 07/12/2011  
 Lab Sample ID : 31101872021

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8081</b>																				
<b>Dilution: 1</b>																				
Heptachlor	10.4		ug/Kg	U	YES															
Heptachlor	10.4		ug/Kg	U	YES															
Heptachlor epoxide	10.4		ug/Kg	U	YES															
Heptachlor epoxide	10.4		ug/Kg	U	YES															
Methoxychlor	10.4		ug/Kg	U	YES															
Methoxychlor	10.4		ug/Kg	U	YES															
Toxaphene	34.6		ug/Kg	U	YES															
Toxaphene	34.6		ug/Kg	U	YES															
<b>Analysis Method : 8151</b>																				
<b>Dilution: 1</b>																				
2,4,5-T	0.0178		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0178		mg/kg	U	YES															
2,4-D	0.0178		mg/kg	U	YES															
2,4-DB	0.0178		mg/kg	U	YES															
Dicamba	0.0178		mg/kg	U	YES															
<b>Analysis Method : 8260B</b>																				
<b>Dilution: 1</b>																				
1,1,1,2-Tetrachloroethane	3.81		ug/Kg	U	YES															
1,1,1-Trichloroethane	3.81		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	3.81		ug/Kg	U	YES															
1,1,2-Trichloroethane	3.81		ug/Kg	U	YES															
1,1-Dichloroethane	3.81		ug/Kg	U	YES															
1,1-Dichloroethene	3.81		ug/Kg	U	YES															
1,1-Dichloropropene	3.81		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	3.81		ug/Kg	U	YES															
1,2,3-Trichloropropane	3.81		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	3.81		ug/Kg	U	YFS	II														
1,2,4-Trimethylbenzene	3.81		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	22.9		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 37 of 233

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

5655



Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S1  
 Sample Date : 07/12/2011  
 Lab Sample ID: 31101872021

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2-Dibromoethane	3.81		ug/Kg	U	YES															
1,2-Dichlorobenzene	3.81		ug/Kg	U	YES															
1,2-Dichloroethane	3.81		ug/Kg	U	YES															
1,2-Dichloropropane	3.81		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	3.81		ug/Kg	U	YES															
1,3-Dichlorobenzene	3.81		ug/Kg	U	YES															
1,3-Dichloropropane	3.81		ug/Kg	U	YES															
1,4-Dichlorobenzene	3.81		ug/Kg	U	YES															
2,2-Dichloropropane	3.81		ug/Kg	U	YES															
2-Butanone	19.1		ug/Kg	U	YES															
2-Chlorotoluene	3.81		ug/Kg	U	YES															
2-Hexanone	9.53		ug/Kg	U	YES															
4-Chlorotoluene	3.81		ug/Kg	U	YES															
4-Isopropyltoluene	3.81		ug/Kg	U	YES															
4-Methyl-2-pentanone	9.53		ug/Kg	U	YES															
Acetone	27.9		ug/Kg	J	YES															
Benzene	3.81		ug/Kg	U	YES															
Bromobenzene	3.81		ug/Kg	U	YES															
Bromochloromethane	3.81		ug/Kg	U	YES															
Bromodichloromethane	3.81		ug/Kg	U	YES															
Bromoform	3.81		ug/Kg	U	YES															
Bromomethane	3.81		ug/Kg	U	YES															
Carbon disulfide	3.81		ug/Kg	U	YES															
Carbon tetrachloride	3.81		ug/Kg	U	YES															
Chlorobenzene	3.81		ug/Kg	U	YES															
Chloroethane	3.81		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 38 of 233

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

5656

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S1  
 Sample Date : 07/12/2011  
 Lab Sample ID: 31101872021

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	3.81		ug/Kg	U	YES															
Chloromethane	3.81		ug/Kg	U	YES															
cis-1,2-Dichloroethene	3.81		ug/Kg	U	YES															
cis-1,3-Dichloropropene	3.81		ug/Kg	U	YES															
Dibromochloromethane	3.81		ug/Kg	U	YES															
Dibromomethane	3.81		ug/Kg	U	YES															
Dichlorodifluoromethane	3.81		ug/Kg	U	YES															
Ethyl Benzene	3.81		ug/Kg	U	YES															
Hexachlorobutadiene	3.81		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	3.81		ug/Kg	U	YES															
m,p-Xylene	7.62		ug/Kg	U	YES															
Methyl iodide	3.81		ug/Kg	U	YES															
Methylene chloride	0.679		ug/Kg	J	YES															
Naphthalene	3.81		ug/Kg	U	YES															
n-Butylbenzene	3.81		ug/Kg	U	YES															
n-Propylbenzene	3.81		ug/Kg	U	YES															
o-Xylene	3.81		ug/Kg	U	YES															
sec-Butylbenzene	3.81		ug/Kg	U	YES															
Styrene	3.81		ug/Kg	U	YES	UJ					UJ									
tert-Butyl methyl ether (MTBE)	3.81		ug/Kg	U	YES															
tert-Butylbenzene	3.81		ug/Kg	U	YES															
Tetrachloroethene	3.81		ug/Kg	U	YES															
Toluene	3.81		ug/Kg	U	YES															
trans-1,2-Dichloroethene	3.81		ug/Kg	U	YES															
trans-1,3-Dichloropropene	3.81		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	19.1		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 39 of 233

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

5657

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S1  
 Sample Date : 07/12/2011  
 Lab Sample ID: 31101872021

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	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	3.81		ug/Kg	U	YES															
Trichlorofluoromethane	3.81		ug/Kg	U	YES															
Vinyl chloride	3.81		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															
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															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 40 of 233

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

5658

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S1  
 Sample Date : 07/12/2011  
 Lab Sample ID: 31101872021

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

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																				
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															
Benzo(a)anthracene	337		ug/Kg	U	YES															
Benzo(a)pyrene	337		ug/Kg	U	YES															
Benzo(b)fluoranthene	337		ug/Kg	U	YES															
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	UJ					UJ									
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															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 41 of 233

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

5659

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S1  
 Sample Date : 07/12/2011  
 Lab Sample ID: 31101872021

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	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	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-Nitrosodi-n-propylamine	337		ug/Kg	U	YES															
Pentachlorophenol	337		ug/Kg	U	YES															
Phenanthrene	337		ug/Kg	U	YES															
Phenol	337		ug/Kg	U	YES															
Pyrene	337		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 42 of 233

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

5660

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S2  
 Sample Date : 07/12/2011  
 Lab Sample ID: 31101872022

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	4.96		mg/kg		YES															
Arsenic	4.96		mg/kg		YES															
Barium	76.1		mg/kg		YES															
Barium	76.1		mg/kg		YES															
Cadmium	0.702		mg/kg		YES	U			U											
Cadmium	0.702		mg/kg		YES	U			U											
Chromium	5.78		mg/kg		YES															
Chromium	5.78		mg/kg		YES															
Lead	11.3		mg/kg		YES															
Lead	11.3		mg/kg		YES															
Selenium	1.87		mg/kg	U	YES															
Selenium	1.87		mg/kg	U	YES															
Silver	0.934		mg/kg	U	YES															
Silver	0.934		mg/kg	U	YES															
Analysis Method : 7471B																				
Dilution: 1																				
Mercury	0.00155		mg/kg	J	YES															
Analysis Method : 8081																				
Dilution: 1																				
4,4'-DDD	0.483		ug/Kg	J P	YES	J					J									
4,4'-DDD	0.483		ug/Kg	J P	YES	J					J									
4,4'-DDE	1.95		ug/Kg	J	YES	J					J									
4,4'-DDE	1.95		ug/Kg	J	YES	J					J									
4,4'-DDT	6.74		ug/Kg	J	YES	J					J									
4,4'-DDT	6.74		ug/Kg	J	YES	J					J									
Aldrin	10.2		ug/Kg	U	YES															
Aldrin	10.2		ug/Kg	U	YES															
alpha-BHC	10.2		ug/Kg	U	YES															
alpha-BHC	10.2		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 43 of 233

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

5661

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S2  
 Sample Date : 07/12/2011  
 Lab Sample ID: 31101872022

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	10.2		ug/Kg	U	YES	R														
alpha-Chlordane	10.2		ug/Kg	U	YES	R														
beta-BHC	10.2		ug/Kg	U	YES															
beta-BHC	10.2		ug/Kg	U	YES															
Chlordane	34.1		ug/Kg	U	YES															
Chlordane	34.1		ug/Kg	U	YES															
delta-BHC	10.2		ug/Kg	U	YES															
delta-BHC	10.2		ug/Kg	U	YES															
Dieldrin	10.2		ug/Kg	U	YES															
Dieldrin	10.2		ug/Kg	U	YES															
Endosulfan I	10.2		ug/Kg	U	YES															
Endosulfan I	10.2		ug/Kg	U	YES															
Endosulfan II	10.2		ug/Kg	U	YES															
Endosulfan II	10.2		ug/Kg	U	YES															
Endosulfan sulfate	10.2		ug/Kg	U	YES															
Endosulfan sulfate	10.2		ug/Kg	U	YES															
Endrin	10.2		ug/Kg	U	YES															
Endrin	10.2		ug/Kg	U	YES															
Endrin aldehyde	10.2		ug/Kg	U	YES															
Endrin aldehyde	10.2		ug/Kg	U	YES															
Endrin ketone	10.2		ug/Kg	U	YES															
Endrin ketone	10.2		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.2		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.2		ug/Kg	U	YES															
gamma-Chlordane	10.2		ug/Kg	U	YES															
gamma-Chlordane	10.2		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 44 of 233

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

5662

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S2  
 Sample Date : 07/12/2011  
 Lab Sample ID: 31101872022

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8081</b>																				
<b>Dilution: 1</b>																				
Heptachlor	10.2		ug/Kg	U	YES															
Heptachlor	10.2		ug/Kg	U	YES															
Heptachlor epoxide	10.2		ug/Kg	U	YES															
Heptachlor epoxide	10.2		ug/Kg	U	YES															
Methoxychlor	10.2		ug/Kg	U	YES															
Methoxychlor	10.2		ug/Kg	U	YES															
Toxaphene	34.1		ug/Kg	U	YES															
Toxaphene	34.1		ug/Kg	U	YES															
<b>Analysis Method : 8151</b>																				
<b>Dilution: 1</b>																				
2,4,5-T	0.0169		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0169		mg/kg	U	YES															
2,4'-D	0.0169		mg/kg	U	YES															
2,4-DB	0.0169		mg/kg	U	YES															
Dicamba	0.0169		mg/kg	U	YES															
<b>Analysis Method : 8260B</b>																				
<b>Dilution: 1</b>																				
1,1,1,2-Tetrachloroethane	5.34		ug/Kg	U	YES															
1,1,1-Trichloroethane	5.34		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	5.34		ug/Kg	U	YES															
1,1,2-Trichloroethane	5.34		ug/Kg	U	YES															
1,1-Dichloroethane	5.34		ug/Kg	U	YES															
1,1-Dichloroethene	5.34		ug/Kg	U	YES															
1,1-Dichloropropene	5.34		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	5.34		ug/Kg	U	YES															
1,2,3-Trichloropropane	5.34		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	5.34		ug/Kg	U	YES	UJ														
1,2,4-Trimethylbenzene	5.34		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	32.0		ug/Kg	U	YES															

Project Number and Name: 182 - 11-032E Carroll Agent Orange

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 45 of 233

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

5663



# Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S2  
 Sample Date : 07/12/2011  
 Lab Sample ID: 31101872022

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2-Dibromoethane	5.34		ug/Kg	U	YES															
1,2-Dichlorobenzene	5.34		ug/Kg	U	YES															
1,2-Dichloroethane	5.34		ug/Kg	U	YES															
1,2-Dichloropropane	5.34		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	5.34		ug/Kg	U	YES															
1,3-Dichlorobenzene	5.34		ug/Kg	U	YES															
1,3-Dichloropropane	5.34		ug/Kg	U	YES															
1,4-Dichlorobenzene	5.34		ug/Kg	U	YES															
2,2-Dichloropropane	5.34		ug/Kg	U	YES															
2-Butanone	26.7		ug/Kg	U	YES															
2-Chlorotoluene	5.34		ug/Kg	U	YES															
2-Hexanone	13.4		ug/Kg	U	YES															
4-Chlorotoluene	5.34		ug/Kg	U	YES															
4-Isopropyltoluene	5.34		ug/Kg	U	YES															
4-Methyl-2-pentanone	13.4		ug/Kg	U	YES															
Acetone	41.0		ug/Kg	J	YES															
Benzene	5.34		ug/Kg	U	YES															
Bromobenzene	5.34		ug/Kg	U	YES															
Bromochloromethane	5.34		ug/Kg	U	YES															
Bromodichloromethane	5.34		ug/Kg	U	YES															
Bromoform	5.34		ug/Kg	U	YES															
Bromomethane	5.34		ug/Kg	U	YES															
Carbon disulfide	5.34		ug/Kg	U	YES															
Carbon tetrachloride	5.34		ug/Kg	U	YES															
Chlorobenzene	5.34		ug/Kg	U	YES															
Chloroethane	5.34		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 46 of 233

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

5664

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S2  
 Sample Date : 07/12/2011  
 Lab Sample ID: 31101872022

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	5.34		ug/Kg	U	YES															
Chloromethane	5.34		ug/Kg	U	YES															
cis-1,2-Dichloroethene	5.34		ug/Kg	U	YES															
cis-1,3-Dichloropropene	5.34		ug/Kg	U	YES															
Dibromochloromethane	5.34		ug/Kg	U	YES															
Dibromomethane	5.34		ug/Kg	U	YES															
Dichlorodifluoromethane	5.34		ug/Kg	U	YES															
Ethyl Benzene	5.34		ug/Kg	U	YES															
Hexachlorobutadiene	5.34		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	5.34		ug/Kg	U	YES															
m,p-Xylene	10.7		ug/Kg	U	YES															
Methyl Iodide	5.34		ug/Kg	U	YES															
Methylene chloride	2.20		ug/Kg	J	YES															
Naphthalene	5.34		ug/Kg	U	YES															
n-Butylbenzene	5.34		ug/Kg	U	YES															
n-Propylbenzene	5.34		ug/Kg	U	YES															
o-Xylene	5.34		ug/Kg	U	YES															
sec-Butylbenzene	5.34		ug/Kg	U	YES															
Styrene	5.34		ug/Kg	U	YES	UJ						UJ								
tert-Butyl methyl ether (MTBE)	5.34		ug/Kg	U	YES															
tert-Butylbenzene	5.34		ug/Kg	U	YES															
Tetrachloroethene	3.54		ug/Kg	J	YES															
Toluene	5.34		ug/Kg	U	YES															
trans-1,2-Dichloroethene	5.34		ug/Kg	U	YES															
trans-1,3-Dichloropropene	5.34		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	26.7		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 47 of 233

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

5665

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S2  
 Sample Date : 07/12/2011  
 Lab Sample ID: 31101872022

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8260B</b>																				
<b>Dilution: 1</b>																				
Trichloroethene	5.34		ug/Kg	U	YES															
Trichlorofluoromethane	5.34		ug/Kg	U	YES															
Vinyl chloride	5.34		ug/Kg	U	YES															
<b>Analysis Method : 8270D</b>																				
<b>Dilution: 1</b>																				
1,2,4-Trichlorobenzene	343		ug/Kg	U	YES															
1,2-Dichlorobenzene	343		ug/Kg	U	YES															
1,3-Dichlorobenzene	343		ug/Kg	U	YES															
1,4-Dichlorobenzene	343		ug/Kg	U	YES															
2,4,5-Trichlorophenol	343		ug/Kg	U	YES															
2,4,6-Trichlorophenol	343		ug/Kg	U	YES															
2,4-Dichlorophenol	343		ug/Kg	U	YES															
2,4-Dimethylphenol	343		ug/Kg	U	YES															
2,4-Dinitrotoluene	343		ug/Kg	U	YES															
2,6-Dinitrotoluene	343		ug/Kg	U	YES															
2-Chloronaphthalene	343		ug/Kg	U	YES															
2-Chlorophenol	343		ug/Kg	U	YES															
2-Methylnaphthalene	343		ug/Kg	U	YES															
2-Methylphenol	343		ug/Kg	U	YES															
2-Nitroaniline	343		ug/Kg	U	YES															
2-Nitrophenol	343		ug/Kg	U	YES															
3 and/or 4-Methylphenol	343		ug/Kg	U	YES															
3-Nitroaniline	343		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	343		ug/Kg	U	YES															
4-Chloro-3-methylphenol	343		ug/Kg	U	YES															
4-Chloroaniline	343		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	343		ug/Kg	U	YES															
4-Nitroaniline	343		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 48 of 233

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

5666

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S2  
 Sample Date : 07/12/2011  
 Lab Sample ID: 31101872022

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

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

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 49 of 233

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

5667

### Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S2  
 Sample Date : 07/12/2011  
 Lab Sample ID: 31101872022

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	343		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	343		ug/Kg	U	YES															
isophorone	343		ug/Kg	U	YES															
Naphthalene	343		ug/Kg	U	YES															
Nitrobenzene	343		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	343		ug/Kg	U	YES															
Pentachlorophenol	343		ug/Kg	U	YES															
Phenanthrene	343		ug/Kg	U	YES															
Phenol	343		ug/Kg	U	YES															
Pyrene	343		ug/Kg	U	YES															

5668

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S3  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872023

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

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
<b>Analysis Method : 6010C</b>				<b>Dilution: 1</b>																
Arsenic	2.96		mg/kg		YES															
Arsenic	2.96		mg/kg		YES															
Barium	67.6		mg/kg		YES															
Barium	67.6		mg/kg		YES															
Cadmium	0.653		mg/kg		YES	U							U							
Cadmium	0.653		mg/kg		YES	U							U							
Chromium	7.14		mg/kg		YES															
Chromium	7.14		mg/kg		YES															
Lead	11.6		mg/kg		YES															
Lead	11.6		mg/kg		YES															
Selenium	2.11		mg/kg	U	YES															
Selenium	2.11		mg/kg	U	YES															
Silver	1.05		mg/kg	U	YES															
Silver	1.05		mg/kg	U	YES															
<b>Analysis Method : 7471B</b>				<b>Dilution: 1</b>																
Mercury	0.0215		mg/kg	U	YES															
<b>Analysis Method : 8081</b>				<b>Dilution: 1</b>																
4,4'-DDD	10.5		ug/Kg	U	YES															
4,4'-DDD	10.5		ug/Kg	U	YES															
4,4'-DDE	10.5		ug/Kg	U	YES															
4,4'-DDE	10.5		ug/Kg	U	YES															
4,4'-DDT	8.01		ug/Kg	J	YES	U							U							
4,4'-DDT	8.01		ug/Kg	J	YES	U							U							
Aldrin	10.5		ug/Kg	U	YES															
Aldrin	10.5		ug/Kg	U	YES															
alpha-BHC	10.5		ug/Kg	U	YES															
alpha-BHC	10.5		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 51 of 233

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

5669

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S3  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872023

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	10.5		ug/Kg	U	YES																
alpha-Chlordane	10.5		ug/Kg	U	YES																
beta-BHC	10.5		ug/Kg	U	YES																
beta-BHC	10.5		ug/Kg	U	YES																
Chlordane	35.0		ug/Kg	U	YES																
Chlordane	35.0		ug/Kg	U	YES																
delta-BHC	10.5		ug/Kg	U	YES																
delta-BHC	10.5		ug/Kg	U	YES																
Dieldrin	10.5		ug/Kg	U	YES																
Dieldrin	10.5		ug/Kg	U	YES																
Endosulfan I	10.5		ug/Kg	U	YES																
Endosulfan I	10.5		ug/Kg	U	YES																
Endosulfan II	10.5		ug/Kg	U	YES																
Endosulfan II	10.5		ug/Kg	U	YES																
Endosulfan sulfate	10.5		ug/Kg	U	YES																
Endosulfan sulfate	10.5		ug/Kg	U	YES																
Endrin	10.5		ug/Kg	U	YES																
Endrin	10.5		ug/Kg	U	YES																
Endrin aldehyde	10.5		ug/Kg	U	YES																
Endrin aldehyde	10.5		ug/Kg	U	YES																
Endrin ketone	10.5		ug/Kg	U	YES																
Endrin ketone	10.5		ug/Kg	U	YES																
gamma-BHC (Lindane)	10.5		ug/Kg	U	YES																
gamma-BHC (Lindane)	10.5		ug/Kg	U	YES																
gamma-Chlordane	10.5		ug/Kg	U	YES																
gamma-Chlordane	10.5		ug/Kg	U	YES																

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 52 of 233

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

5670

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S3  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872023

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8081</b>																				
<b>Dilution: 1</b>																				
Heptachlor	10.5		ug/Kg	U	YES															
Heptachlor	10.5		ug/Kg	U	YES															
Heptachlor epoxide	10.5		ug/Kg	U	YES															
Heptachlor epoxide	10.5		ug/Kg	U	YES															
Methoxychlor	10.5		ug/Kg	U	YES															
Methoxychlor	10.5		ug/Kg	U	YES															
Toxaphene	35.0		ug/Kg	U	YES															
Toxaphene	35.0		ug/Kg	U	YES															
<b>Analysis Method : 8151</b>																				
<b>Dilution: 1</b>																				
2,4,5-T	0.0174		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0174		mg/kg	U	YES															
2,4-D	0.0174		mg/kg	U	YES															
2,4-DB	0.0174		mg/kg	U	YES															
Dicamba	0.0174		mg/kg	U	YES															
<b>Analysis Method : 8280B</b>																				
<b>Dilution: 1</b>																				
1,1,1,2-Tetrachloroethane	4.33		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.33		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.33		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.33		ug/Kg	U	YES															
1,1-Dichloroethane	4.33		ug/Kg	U	YES															
1,1-Dichloroethane	4.33		ug/Kg	U	YES															
1,1-Dichloropropene	4.33		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.33		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.33		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.33		ug/Kg	U	YES	UJ														
1,2,4-Trimethylbenzene	4.33		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	26.0		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 53 of 233

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

5671



Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S3  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872023

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Molst Tot/Dis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2-Dibromoethane	4.33		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.33		ug/Kg	U	YES															
1,2-Dichloroethane	4.33		ug/Kg	U	YES															
1,2-Dichloropropane	4.33		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.33		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.33		ug/Kg	U	YES															
1,3-Dichloropropane	4.33		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.33		ug/Kg	U	YES															
2,2-Dichloropropane	4.33		ug/Kg	U	YES															
2-Butanone	7.16		ug/Kg	J	YES	J					J									
2-Chlorotoluene	4.33		ug/Kg	U	YES															
2-Hexanone	10.8		ug/Kg	U	YES															
4-Chlorotoluene	4.33		ug/Kg	U	YES															
4-Isopropyltoluene	4.33		ug/Kg	U	YES															
4-Methyl-2-pentanone	10.8		ug/Kg	U	YES															
Acetone	54.9		ug/Kg		YES															
Benzene	4.33		ug/Kg	U	YES															
Bromobenzene	4.33		ug/Kg	U	YES															
Bromochloromethane	4.33		ug/Kg	U	YES															
Bromodichloromethane	4.33		ug/Kg	U	YES															
Bromoform	4.33		ug/Kg	U	YES															
Bromomethane	4.33		ug/Kg	U	YES															
Carbon disulfide	4.33		ug/Kg	U	YES															
Carbon tetrachloride	4.33		ug/Kg	U	YES															
Chlorobenzene	4.33		ug/Kg	U	YES															
Chloroethane	4.33		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 54 of 233

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

5672

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S3  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872023

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	4.33		ug/Kg	U	YES															
Chloromethane	4.33		ug/Kg	U	YES															
cis-1,2-Dichloroethene	4.33		ug/Kg	U	YES															
cis-1,3-Dichloropropene	4.33		ug/Kg	U	YES															
Dibromochloromethane	4.33		ug/Kg	U	YES															
Dibromomethane	4.33		ug/Kg	U	YES															
Dichlorodifluoromethane	4.33		ug/Kg	U	YES															
Ethyl Benzene	4.33		ug/Kg	U	YES															
Hexachlorobutadiene	4.33		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	4.33		ug/Kg	U	YES															
m,p-Xylene	8.67		ug/Kg	U	YES															
Methyl iodide	1.72		ug/Kg	J	YES															
Methylene chloride	17.3		ug/Kg	U	YES															
Naphthalene	4.33		ug/Kg	U	YES															
n-Butylbenzene	4.33		ug/Kg	U	YES															
n-Propylbenzene	4.33		ug/Kg	U	YES															
o-Xylene	4.33		ug/Kg	U	YES															
sec-Butylbenzene	4.33		ug/Kg	U	YES															
Styrene	4.33		ug/Kg	U	YES	UJ					UJ									
tert-Butyl methyl ether (MTBE)	4.33		ug/Kg	U	YES															
tert-Butylbenzene	4.33		ug/Kg	U	YES															
Tetrachloroethene	6.33		ug/Kg	U	YES															
Toluene	4.33		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.33		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.33		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	21.7		ug/Kg	U	YES															

Project Number and Name: 114 - 11-032E Carroll Agent Orange

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 55 of 233

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

5673

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S3  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872023

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8260B</b>																				
<b>Dilution: 1</b>																				
Trichloroethene	4.33		ug/Kg	U	YES															
Trichlorofluoromethane	4.33		ug/Kg	U	YES															
Vinyl chloride	4.33		ug/Kg	U	YES															
<b>Analysis Method : 8270D</b>																				
<b>Dilution: 1</b>																				
1,2,4-Trichlorobenzene	355		ug/Kg	U	YES															
1,2-Dichlorobenzene	355		ug/Kg	U	YES															
1,3-Dichlorobenzene	355		ug/Kg	U	YES															
1,4-Dichlorobenzene	355		ug/Kg	U	YES															
2,4,5-Trichlorophenol	355		ug/Kg	U	YES	UJ					UJ									
2,4,6-Trichlorophenol	355		ug/Kg	U	YES	UJ					UJ									
2,4-Dichlorophenol	355		ug/Kg	U	YES															
2,4-Dimethylphenol	355		ug/Kg	U	YES															
2,4-Dinitrotoluene	355		ug/Kg	U	YES															
2,6-Dinitrotoluene	355		ug/Kg	U	YES	UJ					UJ									
2-Chloronaphthalene	355		ug/Kg	U	YES	UJ					UJ									
2-Chlorophenol	355		ug/Kg	U	YES															
2-Methylnaphthalene	355		ug/Kg	U	YES															
2-Methylphenol	355		ug/Kg	U	YES															
2-Nitroaniline	355		ug/Kg	U	YES	UJ					UJ									
2-Nitrophenol	355		ug/Kg	U	YES															
3 and/or 4-Methylphenol	355		ug/Kg	U	YES															
3-Nitroaniline	355		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	355		ug/Kg	U	YES															
4-Chloro-3-methylphenol	355		ug/Kg	U	YES															
4-Chloroaniline	355		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	355		ug/Kg	U	YES															
4 Nitroaniline	355		ug/Kg	U	YES															

Project Number and Name: 1\*J - 11-032E Carroll Agent Orange

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 56 of 233

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

56 74

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S3  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872023

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

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

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 57 of 233

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

5675

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S3  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872023

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / GCV
Analysis Method : 8270D																				
Dilution: 1																				
Hexachloroethane	355		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	355		ug/Kg	U	YES															
Isophorone	355		ug/Kg	U	YES															
Naphthalene	355		ug/Kg	U	YES															
Nitrobenzene	355		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	355		ug/Kg	U	YES															
Pentachlorophenol	355		ug/Kg	U	YES															
Phenanthrene	355		ug/Kg	U	YES															
Phenol	355		ug/Kg	U	YES															
Pyrene	355		ug/Kg	U	YES															

5676

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S4  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872024

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	2.05		mg/kg		YES															
Arsenic	2.05		mg/kg		YES															
Barium	48.5		mg/kg		YES															
Barium	48.5		mg/kg		YES															
Cadmium	0.522		mg/kg	J	YES	U					U									
Cadmium	0.522		mg/kg	J	YES	U					U									
Chromium	5.50		mg/kg		YES															
Chromium	5.50		mg/kg		YES															
Lead	9.43		mg/kg		YES															
Lead	9.43		mg/kg		YES															
Selenium	2.17		mg/kg	U	YES															
Selenium	2.17		mg/kg	U	YES															
Silver	1.08		mg/kg	U	YES															
Silver	1.08		mg/kg	U	YES															
Analysis Method : 7471B				Dilution: 1																
Mercury	0.00220		mg/kg	J	YES															
Analysis Method : 8081				Dilution: 1																
4,4'-DDD	1.37		ug/Kg	J	YES															
4,4'-DDD	1.37		ug/Kg	J	YES															
4,4'-DDE	10.3		ug/Kg	U	YES															
4,4'-DDE	10.3		ug/Kg	U	YES															
4,4'-DDT	1.32		ug/Kg	J P	YES	U					U									
4,4'-DDT	1.32		ug/Kg	J P	YES	U					U									
Aldrin	10.3		ug/Kg	U	YES															
Aldrin	10.3		ug/Kg	U	YES															
alpha-BHC	10.3		ug/Kg	U	YES															
alpha-BHC	10.3		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 59 of 233

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

5677

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S4  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872024

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / 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																				
alpha-Chlordane	10.3		ug/Kg	U	YES															
alpha-Chlordane	10.3		ug/Kg	U	YES															
beta-BHC	10.3		ug/Kg	U	YES															
beta-BHC	10.3		ug/Kg	U	YES															
Chlordane	34.5		ug/Kg	U	YES															
Chlordane	34.5		ug/Kg	U	YES															
delta-BHC	10.3		ug/Kg	U	YES															
delta-BHC	10.3		ug/Kg	U	YES															
Dieldrin	10.3		ug/Kg	U	YES															
Dieldrin	10.3		ug/Kg	U	YES															
Endosulfan I	10.3		ug/Kg	U	YES															
Endosulfan I	10.3		ug/Kg	U	YES															
Endosulfan II	10.3		ug/Kg	U	YES															
Endosulfan II	10.3		ug/Kg	U	YES															
Endosulfan sulfate	10.3		ug/Kg	U	YES															
Endosulfan sulfate	10.3		ug/Kg	U	YES															
Endrin	10.3		ug/Kg	U	YES															
Endrin	10.3		ug/Kg	U	YES															
Endrin aldehyde	10.3		ug/Kg	U	YES															
Endrin aldehyde	10.3		ug/Kg	U	YES															
Endrin ketone	10.3		ug/Kg	U	YES															
Endrin ketone	10.3		ug/Kg	U	YES															
gamma-BHC (Lindane)	1.59		ug/Kg	J	YES	U														
gamma-BHC (Lindane)	1.59		ug/Kg	J	YES	U														
gamma-Chlordane	10.3		ug/Kg	U	YES															
gamma-Chlordane	10.3		ug/Kg	U	YES															

Project Number and Name: 1\*2 - 11-032E Carroll Agent Orange

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 60 of 233

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

56 78

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S4  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872024

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field GC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8081</b>																				
Dilution: 1																				
Heptachlor	10.3		ug/Kg	U	YES															
Heptachlor	10.3		ug/Kg	U	YES															
Heptachlor epoxide	10.3		ug/Kg	U	YES															
Heptachlor epoxide	10.3		ug/Kg	U	YES															
Methoxychlor	10.3		ug/Kg	U	YES															
Methoxychlor	10.3		ug/Kg	U	YES															
Toxaphene	34.5		ug/Kg	U	YES															
Toxaphene	34.5		ug/Kg	U	YES															
<b>Analysis Method : 8151</b>																				
Dilution: 1																				
2,4,5-T	0.0166		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0166		mg/kg	U	YES															
2,4-D	0.0166		mg/kg	U	YES															
2,4-DB	0.0166		mg/kg	U	YES															
Dicamba	0.0166		mg/kg	U	YES															
<b>Analysis Method : 8260B</b>																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	4.01		ug/Kg	U	YES															
1,1,1-Trichloroethane	4.01		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	4.01		ug/Kg	U	YES															
1,1,2-Trichloroethane	4.01		ug/Kg	U	YES															
1,1-Dichloroethane	4.01		ug/Kg	U	YES															
1,1-Dichloroethene	4.01		ug/Kg	U	YES															
1,1-Dichloropropene	4.01		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	4.01		ug/Kg	U	YES															
1,2,3-Trichloropropane	4.01		ug/Kg	U	YES															
1,2,4-Trichlorobenzene	4.01		ug/Kg	U	YES	UJ						UJ								
1,2,4-Trimethylbenzene	4.01		ug/Kg	U	YES															
1,2-Dibromo 3 chloropropane	24.0		ug/Kg	U	YLC															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 61 of 233

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

5679



Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S4  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872024

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2-Dibromoethane	4.01		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.01		ug/Kg	U	YES															
1,2-Dichloroethane	4.01		ug/Kg	U	YES															
1,2-Dichloropropane	4.01		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	4.01		ug/Kg	U	YES															
1,3-Dichlorobenzene	4.01		ug/Kg	U	YES															
1,3-Dichloropropane	4.01		ug/Kg	U	YES															
1,4-Dichlorobenzene	4.01		ug/Kg	U	YES															
2,2-Dichloropropane	4.01		ug/Kg	U	YES															
2-Butanone	20.0		ug/Kg	U	YES															
2-Chlorotoluene	4.01		ug/Kg	U	YES															
2-Hexanone	10.0		ug/Kg	U	YES															
4-Chlorotoluene	4.01		ug/Kg	U	YES															
4-Isopropyltoluene	4.01		ug/Kg	U	YES															
4-Methyl-2-pentanone	10.0		ug/Kg	U	YES															
Acetone	19.1		ug/Kg	J	YES															
Benzene	1.47		ug/Kg	J	YES															
Bromobenzene	4.01		ug/Kg	U	YES															
Bromochloromethane	4.01		ug/Kg	U	YES															
Bromodichloromethane	4.01		ug/Kg	U	YES															
Bromoforn	4.01		ug/Kg	U	YES															
Bromomethane	4.01		ug/Kg	U	YES															
Carbon disulfide	4.01		ug/Kg	U	YES															
Carbon tetrachloride	4.01		ug/Kg	U	YES															
Chlorobenzene	4.01		ug/Kg	U	YES															
Chloroethane	4.01		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 62 of 233

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

56 80

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S4  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872024

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	4.01		ug/Kg	U	YES															
Chloromethane	4.01		ug/Kg	U	YES															
cis-1,2-Dichloroethene	3.65		ug/Kg	J	YES															
cis-1,3-Dichloropropene	4.01		ug/Kg	U	YES															
Dibromochloromethane	4.01		ug/Kg	U	YES															
Dibromomethane	4.01		ug/Kg	U	YES															
Dichlorodifluoromethane	4.01		ug/Kg	U	YES															
Ethyl Benzene	4.01		ug/Kg	U	YES															
Hexachlorobutadiene	4.01		ug/Kg	U	YES															
isopropylbenzene (Cumene)	4.01		ug/Kg	U	YES															
m,p-Xylene	8.01		ug/Kg	U	YES															
Methyl iodide	4.01		ug/Kg	U	YES															
Methylene chloride	16.0		ug/Kg	U	YES															
Naphthalene	4.01		ug/Kg	U	YES															
n-Butylbenzene	4.01		ug/Kg	U	YES															
n-Propylbenzene	4.01		ug/Kg	U	YES															
o-Xylene	4.01		ug/Kg	U	YES															
sec-Butylbenzene	4.01		ug/Kg	U	YES															
Styrene	4.01		ug/Kg	U	YES	UJ					UJ									
tert-Butyl methyl ether (MTBE)	4.01		ug/Kg	U	YES															
tert-Butylbenzene	4.01		ug/Kg	U	YES															
Tetrachloroethene	4.01		ug/Kg	U	YES															
Toluene	4.01		ug/Kg	U	YES															
trans-1,2-Dichloroethene	0.953		ug/Kg	J	YES															
trans-1,3-Dichloropropane	4.01		ug/Kg	U	YCD															
trans-1,4-Dichloro-2-butene	20.0		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 63 of 233

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

5681

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S4  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872024

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

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																				
Trichloroethene	8.58		ug/Kg			YES														
Trichlorofluoromethane	4.01		ug/Kg	U		YES														
Vinyl chloride	4.01		ug/Kg	U		YES														
Analysis Method : 8270D																				
Dilution: 1																				
1,2,4-Trichlorobenzene	350		ug/Kg	U		YES														
1,2-Dichlorobenzene	350		ug/Kg	U		YES														
1,3-Dichlorobenzene	350		ug/Kg	U		YES														
1,4-Dichlorobenzene	350		ug/Kg	U		YES														
2,4,5-Trichlorophenol	350		ug/Kg	U		YES	UJ				UJ									
2,4,6-Trichlorophenol	350		ug/Kg	U		YES	UJ				UJ									
2,4-Dichlorophenol	350		ug/Kg	U		YES														
2,4-Dimethylphenol	350		ug/Kg	U		YES														
2,4-Dinitrotoluene	350		ug/Kg	U		YES														
2,6-Dinitrotoluene	350		ug/Kg	U		YES	UJ				UJ									
2-Chloronaphthalene	350		ug/Kg	U		YES	UJ				UJ									
2-Chlorophenol	350		ug/Kg	U		YES														
2-Methylnaphthalene	350		ug/Kg	U		YES														
2-Methylphenol	350		ug/Kg	U		YES														
2-Nitroaniline	350		ug/Kg	U		YES	UJ				UJ									
2-Nitrophenol	350		ug/Kg	U		YES														
3 and/or 4-Methylphenol	350		ug/Kg	U		YES														
3-Nitroaniline	350		ug/Kg	U		YES														
4-Bromophenyl phenyl ether	350		ug/Kg	U		YES														
4-Chloro-3-methylphenol	350		ug/Kg	U		YES														
4-Chloroaniline	350		ug/Kg	U		YES														
4-Chlorophenyl phenyl ether	350		ug/Kg	U		YES														
4-Nitroaniline	350		ug/Kg	U		YES														

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 64 of 233

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

5682

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S4  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872024

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

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																				
4-Nitrophenol	350		ug/Kg	U	YES	UJ														
Acenaphthene	350		ug/Kg	U	YES															
Acenaphthylene	350		ug/Kg	U	YES	UJ														
Anthracene	350		ug/Kg	U	YES															
Benzo(a)anthracene	350		ug/Kg	U	YES															
Benzo(a)pyrene	350		ug/Kg	U	YES															
Benzo(b)fluoranthene	350		ug/Kg	U	YES															
Benzo(g,h)perylene	350		ug/Kg	U	YES															
Benzo(k)fluoranthene	350		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	350		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	350		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	350		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	31.4		ug/Kg	J	YES															
Butyl benzyl phthalate	350		ug/Kg	U	YES															
Chrysene	350		ug/Kg	U	YES															
Dibenz(a,h)anthracene	350		ug/Kg	U	YES															
Dibenzofuran	350		ug/Kg	U	YES															
Diethyl phthalate	350		ug/Kg	U	YES															
Dimethyl phthalate	350		ug/Kg	U	YES	UJ														
Di-n-butyl phthalate	350		ug/Kg	U	YES															
Di-n-octyl phthalate	350		ug/Kg	U	YES															
Fluoranthene	350		ug/Kg	U	YES															
Fluorene	350		ug/Kg	U	YES															
Hexachlorobenzene	350		ug/Kg	U	YES															
Hexachlorobutadiene	350		ug/Kg	U	YES															
Hexachlorocyclopentadiene	350		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 65 of 233

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

5683

Sample Qualification Report (All Analytes)

Client Sample ID : E11-114-S4  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872024

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist TotDis	Field QC	Tune	IC	ICV	CV/ CCV
Analysis Method : 8270D																				
Dilution: 1																				
Hexachloroethane	350		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	350		ug/Kg	U	YES															
Isophorone	350		ug/Kg	U	YES															
Naphthalene	350		ug/Kg	U	YES															
Nitrobenzene	350		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	350		ug/Kg	U	YES															
Pentachlorophenol	350		ug/Kg	U	YES															
Phenanthrene	350		ug/Kg	U	YES															
Phenol	350		ug/Kg	U	YES															
Pyrene	350		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 66 of 233

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

5684

Sample Qualification Report (All Analytes)

Client Sample ID : E11-115-S1  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872027

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	2.21		mg/kg		YES															
Arsenic	2.21		mg/kg		YES															
Barium	71.8		mg/kg		YES															
Barium	71.8		mg/kg		YES															
Cadmium	0.697		mg/kg		YES	U														
Cadmium	0.697		mg/kg		YES	U														
Chromium	3.55		mg/kg		YES															
Chromium	3.55		mg/kg		YES															
Lead	10.3		mg/kg		YES															
Lead	10.3		mg/kg		YES															
Selenium	2.03		mg/kg	U	YES															
Selenium	2.03		mg/kg	U	YES															
Silver	1.01		mg/kg	U	YES															
Silver	1.01		mg/kg	U	YES															
Analysis Method : 7471B				Dilution: 1																
Mercury	0.0215		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	1.26		ug/Kg	J.P	YES	U														
4,4'-DDT	1.26		ug/Kg	J.P	YES	U														
Aldrin	10.1		ug/Kg	U	YES															
Aldrin	10.1		ug/Kg	U	YES															
alpha-BHC	10.1		ug/Kg	U	YES															
alpha-BHC	10.1		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 67 of 233

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

5685

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-115-S1  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872027

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	GV / CCV
Analysis Method : 8081																				
Dilution: 1																				
alpha-Chlordane	10.1		ug/Kg	U	YES															
alpha-Chlordane	10.1		ug/Kg	U	YES															
beta-BHC	10.1		ug/Kg	U	YES															
beta-BHC	10.1		ug/Kg	U	YES															
Chlordane	33.6		ug/Kg	U	YES															
Chlordane	33.6		ug/Kg	U	YES															
delta-BHC	10.1		ug/Kg	U	YES															
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)	1.15		ug/Kg	J	YES	U							U							
gamma-BHC (Lindane)	1.15		ug/Kg	J	YES	U							U							
gamma-Chlordane	10.1		ug/Kg	U	YES															
gamma-Chlordane	10.1		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 68 of 233

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

5686

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-115-S1  
 Sample Date : 07/13/2011  
 Lab Sample ID : 31101872027

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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																				
Heptachlor	10.1		ug/Kg	U	YES															
Heptachlor	10.1		ug/Kg	U	YES															
Heptachlor epoxide	10.1		ug/Kg	U	YES															
Heptachlor epoxide	10.1		ug/Kg	U	YES															
Methoxychlor	10.1		ug/Kg	U	YES															
Methoxychlor	10.1		ug/Kg	U	YES															
Toxaphene	33.6		ug/Kg	U	YES															
Toxaphene	33.6		ug/Kg	U	YES															
Analysis Method : 8151																				
Dilution: 1																				
2,4,5-T	0.0165		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0165		mg/kg	U	YES															
2,4'-D	0.0165		mg/kg	U	YES															
2,4-DB	0.0165		mg/kg	U	YES															
Dicamba	0.0165		mg/kg	U	YES															
Analysis Method : 8260B																				
Dilution: 1																				
1,1,1,2-Tetrachloroethane	5.05		ug/Kg	U	YES															
1,1,1-Trichloroethane	5.05		ug/Kg	U	YES															
1,1,2,2-Tetrachloroethane	5.05		ug/Kg	U	YES															
1,1,2-Trichloroethane	5.05		ug/Kg	U	YES															
1,1-Dichloroethane	5.05		ug/Kg	U	YES															
1,1-Dichloroethene	5.05		ug/Kg	U	YES															
1,1-Dichloropropene	5.05		ug/Kg	U	YES															
1,2,3-Trichlorobenzene	5.05		ug/Kg	U	YES															
1,2,3-Trichloropropane	5.05		ug/Kg	U	YES															
1,2,4 Trichlorobenzene	6.06		ug/Kg	U	YES	UJ						UJ								
1,2,4-Trimethylbenzene	5.05		ug/Kg	U	YES															
1,2-Dibromo-3-chloropropane	30.3		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 69 of 233

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

5687



Sample Qualification Report (All Analytes)

Client Sample ID : E11-115-S1  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872027

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2-Dibromoethane	5.05		ug/Kg	U	YES															
1,2-Dichlorobenzene	5.05		ug/Kg	U	YES															
1,2-Dichloroethane	5.05		ug/Kg	U	YES															
1,2-Dichloropropane	5.05		ug/Kg	U	YES															
1,3,5-Trimethylbenzene	5.05		ug/Kg	U	YES															
1,3-Dichlorobenzene	5.05		ug/Kg	U	YES															
1,3-Dichloropropane	5.05		ug/Kg	U	YES															
1,4-Dichlorobenzene	5.05		ug/Kg	U	YES															
2,2-Dichloropropane	5.05		ug/Kg	U	YES															
2-Butanone	8.18		ug/Kg	J	YES	J					J									
2-Chlorotoluene	5.05		ug/Kg	U	YES															
2-Hexanone	12.6		ug/Kg	U	YES															
4-Chlorotoluene	5.05		ug/Kg	U	YES															
4-Isopropyltoluene	5.05		ug/Kg	U	YES															
4-Methyl-2-pentanone	12.6		ug/Kg	U	YES															
Acetone	52.1		ug/Kg		YES															
Benzene	5.05		ug/Kg	U	YES															
Bromobenzene	5.05		ug/Kg	U	YES															
Bromochloromethane	5.05		ug/Kg	U	YES															
Bromodichloromethane	5.05		ug/Kg	U	YES															
Bromoform	5.05		ug/Kg	U	YES															
Bromomethane	5.05		ug/Kg	U	YES															
Carbon disulfide	5.05		ug/Kg	U	YES															
Carbon tetrachloride	5.05		ug/Kg	U	YES															
Chlorobenzene	5.05		ug/Kg	U	YES															
Chloroethane	5.05		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 70 of 233

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

5688

Sample Qualification Report (All Analytes)

Client Sample ID : E11-115-S1  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872027

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	5.05		ug/Kg	U	YES															
Chloromethane	5.05		ug/Kg	U	YES															
cis-1,2-Dichloroethene	5.05		ug/Kg	U	YES															
cis-1,3-Dichloropropene	5.05		ug/Kg	U	YES															
Dibromochloromethane	5.05		ug/Kg	U	YES															
Dibromomethane	5.05		ug/Kg	U	YES															
Dichlorodifluoromethane	5.05		ug/Kg	U	YES															
Ethyl Benzene	5.05		ug/Kg	U	YES															
Hexachlorobutadiene	5.05		ug/Kg	U	YES															
Isopropylbenzene (Cumene)	5.05		ug/Kg	U	YES															
m,p-Xylene	10.1		ug/Kg	U	YES															
Methyl iodide	5.05		ug/Kg	U	YES															
Methylene chloride	1.35		ug/Kg	J	YES															
Naphthalene	5.05		ug/Kg	U	YES															
n-Butylbenzene	5.05		ug/Kg	U	YES															
n-Propylbenzene	5.05		ug/Kg	U	YES															
o-Xylene	5.05		ug/Kg	U	YES															
sec-Butylbenzene	5.05		ug/Kg	U	YES															
Styrene	5.05		ug/Kg	U	YES	UJ					UJ									
tert-Butyl methyl ether (MTBE)	5.05		ug/Kg	U	YES															
tert-Butylbenzene	5.05		ug/Kg	U	YES															
Tetrachloroethene	5.05		ug/Kg	U	YES															
Toluene	5.05		ug/Kg	U	YES															
trans-1,2-Dichloroethene	5.05		ug/Kg	U	YES															
trans-1,3-Dichloropropene	5.05		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	25.2		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 71 of 233

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

5689

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-115-S1  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872027

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dls	Field QC	Tune	IC	ICV	CV / GCV
<b>Analysis Method : 8260B</b>																				
<b>Dilution: 1</b>																				
Trichloroethene	5.05		ug/Kg	U	YES															
Trichlorofluoromethane	5.05		ug/Kg	U	YES															
Vinyl chloride	5.05		ug/Kg	U	YES															
<b>Analysis Method : 8270D</b>																				
<b>Dilution: 1</b>																				
1,2,4-Trichlorobenzene	330		ug/Kg	U	YES															
1,2-Dichlorobenzene	330		ug/Kg	U	YES															
1,3-Dichlorobenzene	330		ug/Kg	U	YES															
1,4-Dichlorobenzene	330		ug/Kg	U	YES															
2,4,5-Trichlorophenol	330		ug/Kg	U	YES	UJ					UJ									
2,4,6-Trichlorophenol	330		ug/Kg	U	YES	UJ					UJ									
2,4-Dichlorophenol	330		ug/Kg	U	YES															
2,4-Dimethylphenol	330		ug/Kg	U	YES															
2,4-Dinitrotoluene	330		ug/Kg	U	YES															
2,6-Dinitrotoluene	330		ug/Kg	U	YES	UJ					UJ									
2-Chloronaphthalene	330		ug/Kg	U	YES	UJ					UJ									
2-Chlorophenol	330		ug/Kg	U	YES															
2-Methylnaphthalene	330		ug/Kg	U	YES															
2-Methylphenol	330		ug/Kg	U	YES															
2-Nitroaniline	330		ug/Kg	U	YES	UJ					UJ									
2-Nitrophenol	330		ug/Kg	U	YES															
3 and/or 4-Methylphenol	330		ug/Kg	U	YES															
3-Nitroaniline	330		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	330		ug/Kg	U	YES															
4-Chloro-3-methylphenol	330		ug/Kg	U	YES															
4-Chloroaniline	330		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	330		ug/Kg	U	YES															
4-Nitroaniline	330		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 72 of 233

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

56 90

Sample Qualification Report (All Analytes)

Client Sample ID : E11-115-S1  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872027

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	330		ug/Kg	U	YES	UJ														
Acenaphthene	330		ug/Kg	U	YES															
Acenaphthylene	330		ug/Kg	U	YES	UJ														
Anthracene	330		ug/Kg	U	YES															
Benzo(a)anthracene	330		ug/Kg	U	YES															
Benzo(a)pyrene	330		ug/Kg	U	YES															
Benzo(b)fluoranthene	330		ug/Kg	U	YES															
Benzo(g,h,i)perylene	330		ug/Kg	U	YES															
Benzo(k)fluoranthene	330		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	330		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	330		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	330		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	330		ug/Kg	U	YES															
Butyl benzyl phthalate	330		ug/Kg	U	YES															
Chrysene	330		ug/Kg	U	YES															
Dibenz(a,h)anthracene	330		ug/Kg	U	YES															
Dibenzofuran	330		ug/Kg	U	YES															
Diethyl phthalate	330		ug/Kg	U	YES															
Dimethyl phthalate	330		ug/Kg	U	YES	UJ														
Di-n-butyl phthalate	330		ug/Kg	U	YES															
Di-n-octyl phthalate	330		ug/Kg	U	YES															
Fluoranthene	330		ug/Kg	U	YES															
Fluorene	330		ug/Kg	U	YES															
Hexachlorobenzene	330		ug/Kg	U	YES															
Hexachlorobutadiene	330		ug/Kg	U	YCC															
Hexachlorocyclopentadiene	330		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 73 of 233

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

5691

Sample Qualification Report (All Analytes)

Client Sample ID : E11-115-S1  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872027

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	330		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	330		ug/Kg	U	YES															
Isophorone	330		ug/Kg	U	YES															
Naphthalene	330		ug/Kg	U	YES															
Nitrobenzene	330		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	330		ug/Kg	U	YES															
Pentachlorophenol	330		ug/Kg	U	YES															
Phenanthrene	330		ug/Kg	U	YES															
Phenol	330		ug/Kg	U	YES															
Pyrene	330		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 74 of 233

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

5692

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-115-S2  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872028

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

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
<b>Analysis Method : 6010C</b>																				
<b>Dilution: 1</b>																				
Arsenic	4.41		mg/kg		YES															
Arsenic	4.41		mg/kg		YES															
Barium	79.7		mg/kg		YES															
Barium	79.7		mg/kg		YES															
Cadmium	0.810		mg/kg		YES	U						U								
Cadmium	0.810		mg/kg		YES	U						U								
Chromium	4.17		mg/kg		YES															
Chromium	4.17		mg/kg		YES															
Lead	15.3		mg/kg		YES															
Lead	15.3		mg/kg		YES															
Selenium	0.533		mg/kg	J	YES															
Selenium	0.533		mg/kg	J	YES															
Silver	0.988		mg/kg	U	YES															
Silver	0.988		mg/kg	U	YES															
<b>Analysis Method : 7471B</b>																				
<b>Dilution: 1</b>																				
Mercury	0.0205		mg/kg	U	YES															
<b>Analysis Method : 8081</b>																				
<b>Dilution: 1</b>																				
4,4'-DDD	1.90		ug/Kg	J	YES															
4,4'-DDD	1.90		ug/Kg	J	YES															
4,4'-DDE	3.19		ug/Kg	J	YES															
4,4'-DDE	3.19		ug/Kg	J	YES															
4,4'-DDT	12.1		ug/Kg	YES	U							U								
4,4'-DDT	12.1		ug/Kg	YES	U							U								
Aldrin	10.2		ug/Kg	U	YES															
Aldrin	10.2		ug/Kg	U	YES															
alpha-BHC	10.2		ug/Kg	U	YES															
alpha-BHC	10.2		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 75 of 233

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

5693

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-115-S2  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872028

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist ToUDIs	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081																				
Dilution: 1																				
alpha-Chlordane	10.2		ug/Kg	U	YES															
alpha-Chlordane	10.2		ug/Kg	U	YES															
beta-BHC	10.2		ug/Kg	U	YES															
beta-BHC	10.2		ug/Kg	U	YES															
Chlordane	33.8		ug/Kg	U	YES															
Chlordane	33.8		ug/Kg	U	YES															
delta-BHC	10.2		ug/Kg	U	YES															
delta-BHC	10.2		ug/Kg	U	YES															
Dieldrin	10.2		ug/Kg	U	YES															
Dieldrin	10.2		ug/Kg	U	YES															
Endosulfan I	10.2		ug/Kg	U	YES															
Endosulfan I	10.2		ug/Kg	U	YES															
Endosulfan II	10.2		ug/Kg	U	YES															
Endosulfan II	10.2		ug/Kg	U	YES															
Endosulfan sulfate	10.2		ug/Kg	U	YES															
Endosulfan sulfate	10.2		ug/Kg	U	YES															
Endrin	10.2		ug/Kg	U	YES															
Endrin	10.2		ug/Kg	U	YES															
Endrin aldehyde	10.2		ug/Kg	U	YES															
Endrin aldehyde	10.2		ug/Kg	U	YES															
Endrin ketone	10.2		ug/Kg	U	YES															
Endrin ketone	10.2		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.2		ug/Kg	U	YES															
gamma-BHC (Lindane)	10.2		ug/Kg	U	YES															
gamma-Chlordane	10.2		ug/Kg	U	YES															
gamma-Chlordane	10.2		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 76 of 233

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

5694

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-115-S2  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872028

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
<b>Analysis Method : 8081</b>																				
<b>Dilution: 1</b>																				
Heptachlor	10.2		ug/Kg	U	YES															
Heptachlor	10.2		ug/Kg	U	YES															
Heptachlor epoxide	10.2		ug/Kg	U	YES															
Heptachlor epoxide	10.2		ug/Kg	U	YES															
Methoxychlor	10.2		ug/Kg	U	YES															
Methoxychlor	10.2		ug/Kg	U	YES															
Toxaphene	33.8		ug/Kg	U	YES															
Toxaphene	33.8		ug/Kg	U	YES															
<b>Analysis Method : 8151</b>																				
<b>Dilution: 1</b>																				
2,4,5-T	0.0173		mg/kg	U	YES															
2,4,5-TP (Silvex)	0.0173		mg/kg	U	YES															
2,4-D	0.0173		mg/kg	U	YES															
2,4-DB	0.0173		mg/kg	U	YES															
Dicamba	0.0173		mg/kg	U	YES															
<b>Analysis Method : 8260B</b>																				
<b>Dilution: 1</b>																				
1,1,1,2-Tetrachloroethane	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															
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															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 77 of 233

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

5695



# Sample Qualification Report (All Analytes)

Client Sample ID : E11-115-S2  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872028

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
1,2-Dibromoethane	4.46		ug/Kg	U	YES															
1,2-Dichlorobenzene	4.46		ug/Kg	U	YES															
1,2-Dichloroethane	4.46		ug/Kg	U	YES															
1,2-Dichloropropane	4.46		ug/Kg	U	YES															
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															
1,4-Dichlorobenzene	4.46		ug/Kg	U	YES															
2,2-Dichloropropane	4.46		ug/Kg	U	YES															
2-Butanone	10.5		ug/Kg	J	YES	J					J									
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	55.6		ug/Kg		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															

Project Number and Name: 1\*2 - 11-032E Carroll Agent Orange

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 78 of 233

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

56 96

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-115-S2  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872028

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

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/Dts	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B																				
Dilution: 1																				
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															
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	0.731		ug/Kg	J	YES															
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	UJ					UJ									
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	4.46		ug/Kg	U	YES															
trans-1,2-Dichloroethene	4.46		ug/Kg	U	YES															
trans-1,3-Dichloropropene	4.46		ug/Kg	U	YES															
trans-1,4-Dichloro-2-butene	22.3		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 79 of 233

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

5697

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-115-S2  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872028

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	4.46		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	340		ug/Kg	U	YES															
1,2-Dichlorobenzene	340		ug/Kg	U	YES															
1,3-Dichlorobenzene	340		ug/Kg	U	YES															
1,4-Dichlorobenzene	340		ug/Kg	U	YES															
2,4,5-Trichlorophenol	340		ug/Kg	U	YES	UJ					UJ									
2,4,6-Trichlorophenol	340		ug/Kg	U	YES	UJ					UJ									
2,4-Dichlorophenol	340		ug/Kg	U	YES															
2,4-Dimethylphenol	340		ug/Kg	U	YES															
2,4-Dinitrotoluene	340		ug/Kg	U	YES															
2,6-Dinitrotoluene	340		ug/Kg	U	YES	UJ					UJ									
2-Chloronaphthalene	340		ug/Kg	U	YES	UJ					UJ									
2-Chlorophenol	340		ug/Kg	U	YES															
2-Methylnaphthalene	340		ug/Kg	U	YES															
2-Methylphenol	340		ug/Kg	U	YES															
2-Nitroaniline	340		ug/Kg	U	YES	UJ					UJ									
2-Nitrophenol	340		ug/Kg	U	YES															
3 and/or 4-Methylphenol	340		ug/Kg	U	YES															
3-Nitroaniline	340		ug/Kg	U	YES															
4-Bromophenyl phenyl ether	340		ug/Kg	U	YES															
4-Chloro-3-methylphenol	340		ug/Kg	U	YES															
4-Chloroaniline	340		ug/Kg	U	YES															
4-Chlorophenyl phenyl ether	340		ug/Kg	U	YES															
4 Nitroaniline	340		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/6/2011 08:59

Page 80 of 233

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

5698

# Sample Qualification Report (All Analytes)

Client Sample ID : E11-115-S2  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872028

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty/ Error	Result Units	Lab Qual	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	340		ug/Kg	U	YES	UJ														
Acenaphthene	340		ug/Kg	U	YES															
Acenaphthylene	340		ug/Kg	U	YES	UJ														
Anthracene	340		ug/Kg	U	YES															
Benzo(a)anthracene	340		ug/Kg	U	YES															
Benzo(a)pyrene	340		ug/Kg	U	YES															
Benzo(b)fluoranthene	340		ug/Kg	U	YES															
Benzo(g,h,i)perylene	340		ug/Kg	U	YES															
Benzo(k)fluoranthene	340		ug/Kg	U	YES															
Bis(2-Chloroethoxy)methane	340		ug/Kg	U	YES															
Bis(2-Chloroethyl)ether	340		ug/Kg	U	YES															
Bis(2-Chloroisopropyl)ether	340		ug/Kg	U	YES															
Bis(2-Ethylhexyl)phthalate	340		ug/Kg	U	YES															
Butyl benzyl phthalate	340		ug/Kg	U	YES															
Chrysene	340		ug/Kg	U	YES															
Dibenz(a,h)anthracene	340		ug/Kg	U	YES															
Dibenzofuran	340		ug/Kg	U	YES															
Diethyl phthalate	340		ug/Kg	U	YES															
Dimethyl phthalate	340		ug/Kg	U	YES	UJ														
Di-n-butyl phthalate	340		ug/Kg	U	YES															
Di-n-octyl phthalate	340		ug/Kg	U	YES															
Fluoranthene	340		ug/Kg	U	YES															
Fluorene	340		ug/Kg	U	YES															
Hexachlorobenzene	340		ug/Kg	U	YES															
Hexachlorobiphenylene	340		ug/Kg	U	YES															
Hexachlorocyclopentadiene	340		ug/Kg	U	YES															

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

Library Used: CampCarroll

ADR 8.2

Report Date: 9/8/2011 08:59

Page 81 of 233

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

5699

Sample Qualification Report (All Analytes)

Client Sample ID : E11-115-S2  
 Sample Date : 07/13/2011  
 Lab Sample ID: 31101872028

Lab Report Batch : 31101872  
 Analysis Type: RES

Lab ID : SGSW  
 Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	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	340		ug/Kg	U	YES															
Indeno(1,2,3-cd)pyrene	340		ug/Kg	U	YES															
Isophorone	340		ug/Kg	U	YES															
Naphthalene	340		ug/Kg	U	YES															
Nitrobenzene	340		ug/Kg	U	YES															
n-Nitrosodi-n-propylamine	340		ug/Kg	U	YES															
Pentachlorophenol	340		ug/Kg	U	YES															
Phenanthrene	340		ug/Kg	U	YES															
Phenol	340		ug/Kg	U	YES															
Pyrene	340		ug/Kg	U	YES															

5760