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Qualification Summary for GC Methods

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

Qualification Summary for Metals Methods

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

Qualification Summary for Metals Methods

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

Data Qualifier Definitions

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

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

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

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

Sample Preservation. All samples must be protected from light and refrigerated at $4 \pm 2^{\circ}\text{C}$ from the time of receipt (time of collection when possible) until the time of extraction. All samples were received by the laboratory at temperatures between 5° and 6°C . There were no temperature discrepancies.

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

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

The Method 8260 LCS results for batch VXX1817 had multiple outliers for both recovery (high) and precision. Out of control analytes have been flagged as estimated. The Method 8260 LCS results for batch VXX1819 demonstrated high recovery for several target analytes. Results for these analytes have been J flagged as estimated.

Hexachlorocyclopentadiene LCS results for Method 8270 were unacceptably high (>2000% recovery) in both batches for this Sample Group and Hexachlorocyclopentadiene results should be rejected. All other results were either acceptable or require flagging as identified in the sample Qualification Report in Appendix 1.

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

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

For Method 8151, the MS/MSD had acceptable recovery but precision was affected since the relative percent difference for the replicate analyses was outside control limits. Since none of the samples reported detectable target analytes, no flags are required.

The MS/MSD results for Method 8260, volatile organic analysis for batches VXX1817 and VXX1819 had multiple outliers for both recovery and precision. There was no clear trend towards either high or low recoveries. The parent samples were uncontaminated. Out of control analytes have been flagged as estimated.

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

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

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

Surrogate recovery for Method 8260 was elevated for most samples and results have been J flagged as estimated. Reported results may be slightly higher than actual concentrations.

Chemical Data Validation Report for Camp Carroll Agent Orange Investigation

Far East District Project Number 11-032E

Phase: Phase 1 Soil Sampling

Laboratory: SGS North America Inc.

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

Sample Group: 31101889

Date: 6 September 2011

Validator: [REDACTED] b6

US Army Engineer District, Honolulu

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

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

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

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APPENDIX 1
Automated Data Review Results

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Summary Report by Analysis Method

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EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 31101889

Laboratory : SGSW

Lab Report Date : 08/22/2011

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
6010C	E11-107-S1	31101889004	RES	3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-108-S1	31101889040		3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-128-S1	31101889002		3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-128-S2	31101889003		3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-134-S1	31101889033		3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-134-S2	31101889034		3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	F11-135-S1	31101889005		3050R	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
			DL	3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/25/2011
	E11-135-S2	31101889006	RES	3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-135-S3	31101889009		3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-135-S4	31101889010		3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-137-S1	31101889011		3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-137-S2	31101889012		3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-137-S3	31101889013		3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-137-S4	31101889014		3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-141-S1	31101889015		3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-141-S2	31101889016		3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-141-S3	31101889017		3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-141-S4	31101889018		3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-142-S1	31101889035		3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-142-S2	31101889037		3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-142-S3	31101889036		3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-143-S1	31101889041		3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-143-S2	31101889042		3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-145-S1	31101889029		3050B	SO	07/17/2011	07/19/2011	07/21/2011	07/22/2011
			DL	3050B	SO	07/17/2011	07/19/2011	07/21/2011	07/25/2011
	E11-145-S2	31101889030	RES	3050B	SO	07/17/2011	07/19/2011	07/21/2011	07/22/2011
	E11-145-S3	31101889031		3050B	SO	07/17/2011	07/19/2011	07/21/2011	07/22/2011
	E11-147-S1	31101889038		3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011

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

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EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 31101889

Laboratory : SGSW

Lab Report Date : 08/22/2011

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
	E11-147-S2	31101889039	RES	3050B	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-148-S1	31101889020		3050B	SO	07/17/2011	07/19/2011	07/21/2011	07/22/2011
	E11-148-S2	31101889021		3050B	SO	07/17/2011	07/19/2011	07/21/2011	07/22/2011
	E11-148-S3	31101889024		3050B	SO	07/17/2011	07/19/2011	07/21/2011	07/22/2011
	E11-151-S1	31101889025		3050B	SO	07/17/2011	07/19/2011	07/21/2011	07/22/2011
	E11-151-S2	31101889026		3050B	SO	07/17/2011	07/19/2011	07/21/2011	07/22/2011
	E11-151-S3	31101889027		3050B	SO	07/17/2011	07/19/2011	07/21/2011	07/22/2011
	E11-151-S4	31101889028		3050B	SO	07/17/2011	07/19/2011	07/21/2011	07/22/2011
7471B									
	E11-107-S1	31101889004	RES	7471B	SO	07/16/2011	07/19/2011	07/21/2011	07/21/2011
	E11-108-S1	31101889040		7471B	SO	07/16/2011	07/19/2011	07/25/2011	07/25/2011
	E11-128-S1	31101889002		7471B	SO	07/16/2011	07/19/2011	07/21/2011	07/21/2011
	E11-128-S2	31101889003		7471B	SO	07/16/2011	07/19/2011	07/21/2011	07/21/2011
	E11-134-S1	31101889033		7471B	SO	07/16/2011	07/19/2011	07/21/2011	07/21/2011
	E11-134-S2	31101889034		7471B	SO	07/16/2011	07/19/2011	07/25/2011	07/25/2011
	E11-135-S1	31101889005		7471B	SO	07/16/2011	07/19/2011	07/21/2011	07/21/2011
	E11-135-S2	31101889006		7471B	SO	07/16/2011	07/19/2011	07/21/2011	07/21/2011
	E11-135-S3	31101889009		7471B	SO	07/16/2011	07/19/2011	07/21/2011	07/21/2011
	E11-135-S4	31101889010		7471B	SO	07/16/2011	07/19/2011	07/21/2011	07/21/2011
	E11-137-S1	31101889011		7471B	SO	07/16/2011	07/19/2011	07/21/2011	07/21/2011
	E11-137-S2	31101889012		7471B	SO	07/16/2011	07/19/2011	07/21/2011	07/21/2011
	E11-137-S3	31101889013		7471B	SO	07/16/2011	07/19/2011	07/21/2011	07/21/2011
	E11-137-S4	31101889014		7471B	SO	07/16/2011	07/19/2011	07/21/2011	07/21/2011
	E11-141-S1	31101889015		7471B	SO	07/16/2011	07/19/2011	07/21/2011	07/21/2011
	E11-141-S2	31101889016		7471B	SO	07/16/2011	07/19/2011	07/21/2011	07/21/2011
	E11-141-S3	31101889017		7471B	SO	07/16/2011	07/19/2011	07/21/2011	07/21/2011
	E11-141-S4	31101889018		7471B	SO	07/16/2011	07/19/2011	07/21/2011	07/21/2011
	E11-142-S1	31101889035		7471B	SO	07/16/2011	07/19/2011	07/25/2011	07/25/2011
	E11-142-S2	31101889037		7471B	SO	07/16/2011	07/19/2011	07/25/2011	07/25/2011
	E11-142-S3	31101889036		7471B	SO	07/16/2011	07/19/2011	07/25/2011	07/25/2011

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

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EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 31101889

Laboratory : SGSW

Lab Report Date : 08/22/2011

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
E11-143-S1		31101889041	RES	7471B	SO	07/16/2011	07/19/2011	07/25/2011	07/25/2011
E11-143-S2		31101889042		7471B	SO	07/16/2011	07/19/2011	07/25/2011	07/25/2011
E11-145-S1		31101889029		7471B	SO	07/17/2011	07/19/2011	07/21/2011	07/21/2011
E11-145-S2		31101889030		7471B	SO	07/17/2011	07/19/2011	07/21/2011	07/21/2011
E11-145-S3		31101889031		7471B	SO	07/17/2011	07/19/2011	07/21/2011	07/21/2011
E11-147-S1		31101889038		7471B	SO	07/16/2011	07/19/2011	07/25/2011	07/25/2011
E11-147-S2		31101889039		7471B	SO	07/16/2011	07/19/2011	07/25/2011	07/25/2011
E11-148-S1		31101889020		7471B	SO	07/17/2011	07/19/2011	07/21/2011	07/21/2011
E11-148-S2		31101889021		7471B	SO	07/17/2011	07/19/2011	07/21/2011	07/21/2011
E11-148-S3		31101889024		7471B	SO	07/17/2011	07/19/2011	07/21/2011	07/21/2011
E11-151-S1		31101889025		7471B	SO	07/17/2011	07/19/2011	07/21/2011	07/21/2011
E11-151-S2		31101889026		7471B	SO	07/17/2011	07/19/2011	07/21/2011	07/21/2011
E11-151-S3		31101889027		7471B	SO	07/17/2011	07/19/2011	07/21/2011	07/21/2011
E11-151-S4		31101889028		7471B	SO	07/17/2011	07/19/2011	07/21/2011	07/21/2011
8081									
E11-107-S1		31101889004	RES	3541	SO	07/16/2011	07/19/2011	07/21/2011	07/25/2011
				3541	SO	07/16/2011	07/19/2011	07/21/2011	07/25/2011
E11-108-S1		31101889040		3541	SO	07/16/2011	07/19/2011	07/23/2011	07/27/2011
E11-128-S1		31101889002		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/25/2011
				3541	SO	07/16/2011	07/19/2011	07/21/2011	07/25/2011
E11-128-S2		31101889003		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/25/2011
				3541	SO	07/16/2011	07/19/2011	07/21/2011	07/25/2011
E11-134-S1		31101889033		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/26/2011
				3541	SO	07/16/2011	07/19/2011	07/21/2011	07/26/2011
E11-134-S2		31101889034		3541	SO	07/16/2011	07/19/2011	07/23/2011	07/27/2011
				3541	SO	07/16/2011	07/19/2011	07/23/2011	07/27/2011
E11-135-S1		31101889005		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/25/2011
				3541	SO	07/16/2011	07/19/2011	07/21/2011	07/25/2011
E11-135-S2		31101889006		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/25/2011
				3541	SO	07/16/2011	07/19/2011	07/21/2011	07/25/2011

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

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EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 31101889

Laboratory : SGSW

Lab Report Date : 08/22/2011

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
E11-135-S3		31101889009	RES	3541	SO	07/16/2011	07/19/2011	07/21/2011	07/25/2011
				3541	SO	07/16/2011	07/19/2011	07/21/2011	07/25/2011
E11-135-S4		31101889010		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/25/2011
				3541	SO	07/16/2011	07/19/2011	07/21/2011	07/25/2011
E11-137-S1		31101889011		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/25/2011
				3541	SO	07/16/2011	07/19/2011	07/21/2011	07/25/2011
E11-137-S2		31101889012		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/25/2011
				3541	SO	07/16/2011	07/19/2011	07/21/2011	07/25/2011
E11-137-S3		31101889013		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/25/2011
				3541	SO	07/16/2011	07/19/2011	07/21/2011	07/26/2011
E11-137-S4		31101889014		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/26/2011
				3541	SO	07/16/2011	07/19/2011	07/21/2011	07/26/2011
E11-141-S1		31101889015		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/26/2011
				3541	SO	07/16/2011	07/19/2011	07/21/2011	07/26/2011
E11-141-S2		31101889016		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/26/2011
				3541	SO	07/16/2011	07/19/2011	07/21/2011	07/26/2011
E11-141-S3		31101889017		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/26/2011
				3541	SO	07/16/2011	07/19/2011	07/21/2011	07/26/2011
E11-141-S4		31101889018		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/26/2011
				3541	SO	07/16/2011	07/19/2011	07/21/2011	07/26/2011
E11-142-S1		31101889035		3541	SO	07/16/2011	07/19/2011	07/23/2011	07/27/2011
				3541	SO	07/16/2011	07/19/2011	07/23/2011	07/27/2011
E11-142-S2		31101889037		3541	SO	07/16/2011	07/19/2011	07/23/2011	07/27/2011
				3541	SO	07/16/2011	07/19/2011	07/23/2011	07/27/2011
E11-142-S3		31101889036		3541	SO	07/16/2011	07/19/2011	07/23/2011	07/27/2011
E11-143-S1		31101889041		3541	SO	07/16/2011	07/19/2011	07/23/2011	07/27/2011
E11-143-S2		31101889042		3541	SO	07/16/2011	07/19/2011	07/23/2011	07/27/2011
E11-145-S1		31101889029	DL	3541	SO	07/17/2011	07/19/2011	07/21/2011	07/27/2011
				3541	SO	07/17/2011	07/19/2011	07/21/2011	07/27/2011
E11-145-S2		31101889030		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/27/2011

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

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EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 31101889

Laboratory : SGSW

Lab Report Date : 08/22/2011

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
	E11-145-S2	31101889030	DL	3541	SO	07/17/2011	07/19/2011	07/21/2011	07/27/2011
	E11-145-S3	31101889031	RES	3541	SO	07/17/2011	07/19/2011	07/21/2011	07/26/2011
				3541	SO	07/17/2011	07/19/2011	07/21/2011	07/26/2011
	E11-147-S1	31101889038		3541	SO	07/16/2011	07/19/2011	07/23/2011	07/27/2011
				3541	SO	07/16/2011	07/19/2011	07/23/2011	07/27/2011
	E11-147-S2	31101889039		3541	SO	07/16/2011	07/19/2011	07/23/2011	07/27/2011
	E11-148-S1	31101889020		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/26/2011
				3541	SO	07/17/2011	07/19/2011	07/21/2011	07/26/2011
	E11-148-S2	31101889021	DL	3541	SO	07/17/2011	07/19/2011	07/21/2011	07/26/2011
				3541	SO	07/17/2011	07/19/2011	07/21/2011	07/27/2011
	E11-148-S3	31101889024	RES	3541	SO	07/17/2011	07/19/2011	07/21/2011	07/26/2011
				3541	SO	07/17/2011	07/19/2011	07/21/2011	07/26/2011
	E11-151-S1	31101889025		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/26/2011
				3541	SO	07/17/2011	07/19/2011	07/21/2011	07/26/2011
	E11-151-S2	31101889026		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/26/2011
				3541	SO	07/17/2011	07/19/2011	07/21/2011	07/26/2011
	E11-151-S3	31101889027		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/26/2011
				3541	SO	07/17/2011	07/19/2011	07/21/2011	07/26/2011
	E11-151-S4	31101889028		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/26/2011
				3541	SO	07/17/2011	07/19/2011	07/21/2011	07/26/2011
8151									
	E11-107-S1	31101889004	RES	3541	SO	07/16/2011	07/19/2011	07/21/2011	07/26/2011
	E11-108-S1	31101889040		3541	SO	07/16/2011	07/19/2011	07/24/2011	07/28/2011
				3541	SO	07/16/2011	07/19/2011	07/24/2011	07/28/2011
	E11-128-S1	31101889002		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/26/2011
				3541	SO	07/16/2011	07/19/2011	07/21/2011	07/26/2011
	E11-128-S2	31101889003		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/26/2011
	E11-134-S1	31101889033		3541	SO	07/16/2011	07/19/2011	07/24/2011	07/28/2011
	E11-134-S2	31101889034		3541	SO	07/16/2011	07/19/2011	07/24/2011	07/28/2011
				3541	SO	07/16/2011	07/19/2011	07/24/2011	07/28/2011

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

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EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 31101889

Laboratory : SGSW

Lab Report Date : 08/22/2011

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
E11-135-S1		31101889005	RES	3541	SO	07/16/2011	07/19/2011	07/21/2011	07/28/2011
E11-135-S2		31101889006		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/26/2011
E11-135-S3		31101889009		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/28/2011
E11-135-S4		31101889010		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/28/2011
E11-137-S1		31101889011		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/28/2011
E11-137-S2		31101889012		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/28/2011
E11-137-S3		31101889013		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/28/2011
E11-137-S4		31101889014		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/28/2011
E11-141-S1		31101889015		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/28/2011
E11-141-S2		31101889016		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/28/2011
E11-141-S3		31101889017		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/28/2011
E11-141-S4		31101889018		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/28/2011
E11-142-S1		31101889035		3541	SO	07/16/2011	07/19/2011	07/24/2011	07/28/2011
E11-142-S2		31101889037		3541	SO	07/16/2011	07/19/2011	07/24/2011	07/28/2011
E11-142-S3		31101889036		3541	SO	07/16/2011	07/19/2011	07/24/2011	07/28/2011
E11-143-S1		31101889041		3541	SO	07/16/2011	07/19/2011	07/24/2011	07/28/2011
E11-143-S2		31101889042		3541	SO	07/16/2011	07/19/2011	07/24/2011	07/28/2011
E11-145-S1		31101889029		3541	SO	07/17/2011	07/19/2011	07/24/2011	07/28/2011
E11-145-S2		31101889030		3541	SO	07/17/2011	07/19/2011	07/24/2011	07/28/2011
E11-145-S3		31101889031		3541	SO	07/17/2011	07/19/2011	07/24/2011	07/28/2011
E11-147-S1		31101889038		3541	SO	07/16/2011	07/19/2011	07/24/2011	07/28/2011

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

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EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 31101889

Laboratory : SGSW

Lab Report Date : 08/22/2011

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
	E11-147-S2	31101889039	RES	3541	SO	07/16/2011	07/19/2011	07/24/2011	07/28/2011
				3541	SO	07/16/2011	07/19/2011	07/24/2011	07/28/2011
	E11-148-S1	31101889020		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/28/2011
	E11-148-S2	31101889021		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/28/2011
	E11-148-S3	31101889024		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/28/2011
	E11-151-S1	31101889025		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/28/2011
	E11-151-S2	31101889026		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/28/2011
	E11-151-S3	31101889027		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/28/2011
	E11-151-S4	31101889028		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/28/2011
8260B									
	E11-107-S1	31101889004	RES	5035	SO	07/16/2011	07/19/2011	07/22/2011	07/22/2011
	E11-108-S1	31101889040		5035	SO	07/16/2011	07/19/2011	07/26/2011	07/26/2011
	E11-128-S1	31101889002		5035	SO	07/16/2011	07/19/2011	07/22/2011	07/22/2011
	E11-128-S2	31101889003		5035	SO	07/16/2011	07/19/2011	07/22/2011	07/22/2011
	E11-134-S1	31101889033		5035	SO	07/16/2011	07/19/2011	07/25/2011	07/25/2011
	E11-134-S2	31101889034		5035	SO	07/16/2011	07/19/2011	07/25/2011	07/25/2011
	E11-135-S1	31101889005		5035	SO	07/16/2011	07/19/2011	07/22/2011	07/22/2011
	E11-135-S2	31101889006		5035	SO	07/16/2011	07/19/2011	07/26/2011	07/26/2011
	E11-135-S3	31101889009		5035	SO	07/16/2011	07/19/2011	07/22/2011	07/22/2011
	E11-135-S4	31101889010		5035	SO	07/16/2011	07/19/2011	07/22/2011	07/22/2011
	E11-137-S1	31101889011		5035	SO	07/16/2011	07/19/2011	07/22/2011	07/22/2011
	E11-137-S2	31101889012		5035	SO	07/16/2011	07/19/2011	07/22/2011	07/22/2011
	E11-137-S3	31101889013		5035	SO	07/16/2011	07/19/2011	07/22/2011	07/22/2011
	E11-137-S4	31101889014		5035	SO	07/16/2011	07/19/2011	07/22/2011	07/22/2011
	E11-141-S1	31101889015		5035	SO	07/16/2011	07/19/2011	07/22/2011	07/22/2011
	E11-141-S2	31101889016		5035	SO	07/16/2011	07/19/2011	07/22/2011	07/22/2011
	E11-141-S3	31101889017		5035	SO	07/16/2011	07/19/2011	07/22/2011	07/22/2011
	E11-141-S4	31101889018		5035	SO	07/16/2011	07/19/2011	07/22/2011	07/22/2011
	E11-142-S1	31101889035		5035	SO	07/16/2011	07/19/2011	07/25/2011	07/25/2011
	E11-142-S2	31101889037		5035	SO	07/16/2011	07/19/2011	07/26/2011	07/26/2011

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

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EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 31101889

Laboratory : SGSW

Lab Report Date : 08/22/2011

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
	E11-142-S3	31101889036	RES	5035	SO	07/16/2011	07/19/2011	07/25/2011	07/25/2011
	E11-143-S1	31101889041		5035	SO	07/16/2011	07/19/2011	07/26/2011	07/26/2011
	E11-143-S2	31101889042		5035	SO	07/16/2011	07/19/2011	07/26/2011	07/26/2011
	E11-145-S1	31101889029		5035	SO	07/17/2011	07/19/2011	07/26/2011	07/26/2011
	E11-145-S2	31101889030		5035	SO	07/17/2011	07/19/2011	07/26/2011	07/26/2011
	E11-145-S3	31101889031		5035	SO	07/17/2011	07/19/2011	07/27/2011	07/27/2011
	E11-147-S1	31101889038		5035	SO	07/16/2011	07/19/2011	07/26/2011	07/26/2011
	F11-147-S2	31101889039		5035	SO	07/16/2011	07/19/2011	07/26/2011	07/26/2011
	E11-148-S1	31101889020		5035	SO	07/17/2011	07/19/2011	07/26/2011	07/26/2011
	E11-148-S2	31101889021		5035	SO	07/17/2011	07/19/2011	07/27/2011	07/27/2011
	E11-148-S3	31101889024		5035	SO	07/17/2011	07/19/2011	07/26/2011	07/26/2011
	E11-151-S1	31101889025		5035	SO	07/17/2011	07/19/2011	07/26/2011	07/26/2011
	E11-151-S2	31101889026		5035	SO	07/17/2011	07/19/2011	07/26/2011	07/26/2011
	E11-151-S3	31101889027		5035	SO	07/17/2011	07/19/2011	07/26/2011	07/26/2011
	E11-151-S4	31101889028		5035	SO	07/17/2011	07/19/2011	07/26/2011	07/26/2011
	Trip Blank (1)	31101889001		5035	SO	07/16/2011	07/19/2011	07/22/2011	07/22/2011
	Trip Blank (2)	31101889019		5035	SO	07/17/2011	07/19/2011	07/26/2011	07/26/2011
	Trip Blank (3)	31101889032		5035	SO	07/16/2011	07/19/2011	07/25/2011	07/25/2011
8270D									
	E11-107-S1	31101889004	RES	3541	SO	07/16/2011	07/19/2011	07/21/2011	07/24/2011
	E11-108-S1	31101889040		3541	SO	07/16/2011	07/19/2011	07/22/2011	07/25/2011
	E11-128-S1	31101889002		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/22/2011
	E11-128-S2	31101889003		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/24/2011
	E11-134-S1	31101889033		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/25/2011
	E11-134-S2	31101889034		3541	SO	07/16/2011	07/19/2011	07/22/2011	07/25/2011
	E11-135-S1	31101889005		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/24/2011
	E11-135-S2	31101889006		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/24/2011
	E11-135-S3	31101889009		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/24/2011
	E11-135-S4	31101889010		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/24/2011
	E11-137-S1	31101889011		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/24/2011

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

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EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 31101889

Laboratory : SGSW

Lab Report Date : 08/22/2011

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
E11-137-S2		31101889012	RES	3541	SO	07/16/2011	07/19/2011	07/21/2011	07/24/2011
E11-137-S3		31101889013		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/24/2011
E11-137-S4		31101889014		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/24/2011
E11-141-S1		31101889015		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/24/2011
E11-141-S2		31101889016		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/24/2011
E11-141-S3		31101889017		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/24/2011
E11-141-S4		31101889018		3541	SO	07/16/2011	07/19/2011	07/21/2011	07/24/2011
F11-142-S1		31101889035		3541	SO	07/16/2011	07/19/2011	07/22/2011	07/25/2011
E11-142-S2		31101889037		3541	SO	07/16/2011	07/19/2011	07/22/2011	07/25/2011
E11-142-S3		31101889036		3541	SO	07/16/2011	07/19/2011	07/22/2011	07/25/2011
E11-143-S1		31101889041		3541	SO	07/16/2011	07/19/2011	07/22/2011	07/25/2011
E11-143-S2		31101889042		3541	SO	07/16/2011	07/19/2011	07/22/2011	07/25/2011
E11-145-S1		31101889029		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/25/2011
E11-145-S2		31101889030		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/25/2011
E11-145-S3		31101889031		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/25/2011
E11-147-S1		31101889038		3541	SO	07/16/2011	07/19/2011	07/22/2011	07/25/2011
E11-147-S2		31101889039		3541	SO	07/16/2011	07/19/2011	07/22/2011	07/25/2011
E11 148 S1		31101889020		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/24/2011
E11-148-S2		31101889021		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/24/2011
E11-148-S3		31101889024		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/24/2011
E11-151-S1		31101889025		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/24/2011
E11-151-S2		31101889026		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/24/2011
E11-151-S3		31101889027		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/24/2011
E11-151-S4		31101889028		3541	SO	07/17/2011	07/19/2011	07/21/2011	07/25/2011

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

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

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Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : VXX1817 **Analysis Method :** 8260B **Analysis Date :** 07/22/2011
Preparation Batch : VXX1817 **Preparation Type :** 5035 **Preparation Date :** 07/22/2011
Lab Reporting Batch : 31101889 **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
32140	SO	2-Butanone	133		10.00	75.00	125.00	20.00
		2-Hexanone	127		10.00	75.00	125.00	20.00
		Acetone	132		10.00	75.00	125.00	20.00
32141		1,1-Dichloroethane	80	25	10.00	75.00	125.00	20.00
		1,1-Dichloroethene	82	23	10.00	75.00	125.00	20.00
		Acetone	105	23	10.00	75.00	125.00	20.00
		Carbon disulfide	82	21	10.00	75.00	125.00	20.00
		Methylene chloride	78	30	10.00	75.00	125.00	20.00
		tert-Butyl methyl ether (MTBE)	84	29	10.00	75.00	125.00	20.00
		trans-1,2-Dichloroethene	76	29	10.00	75.00	125.00	20.00

Associated Samples	
Client Sample ID	Lab Sample ID
E11-107-S1	31101889004
E11-107-S1	31101889004
E11-128-S1	31101889002
E11-128-S1	31101889002
E11-128-S2	31101889003
E11-128-S2	31101889003
E11-135-S1	31101889005
E11-135-S1	31101889005
E11-135-S3	31101889009
E11-135-S3	31101889009
E11-135-S4	31101889010
E11-135-S4	31101889010
E11-137-S1	31101889011
E11-137-S1	31101889011
E11-137-S2	31101889012
E11-137-S2	31101889012
E11-137-S3	31101889013
E11-137-S3	31101889013
E11-137-S4	31101889014
E11-137-S4	31101889014
E11-141-S1	31101889015
E11-141-S1	31101889015
E11-141-S2	31101889016
E11-141-S2	31101889016
E11-141-S3	31101889017
E11-141-S3	31101889017
E11-141 S4	31101889018

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

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

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Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

E11-141-S4	31101889018
Trip Blank (1)	31101889001
Trip Blank (1)	31101889001

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

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

5082

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : VXX1829 **Analysis Method :** 8260B **Analysis Date :** 07/26/2011
Preparation Batch : VXX1829 **Preparation Type :** 5035 **Preparation Date :** 07/26/2011
Lab Reporting Batch : 31101889 **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
32458	SO	Carbon disulfide	88	21	10.00	75.00	125.00	20.00
		Methyl iodide	89	24	10.00	75.00	125.00	20.00

Associated Samples	
Client Sample ID	Lab Sample ID
E11-108-S1	31101889040
E11-108-S1	31101889040
E11-135-S2	31101889006
E11-135-S2	31101889006
E11-142-S2	31101889037
E11-142-S2	31101889037
E11-143-S1	31101889041
E11-143-S1	31101889041
E11-143-S2	31101889042
E11-143-S2	31101889042
E11-145-S1	31101889029
E11-145-S1	31101889029
E11-145-S2	31101889030
E11-145-S2	31101889030
E11-147-S1	31101889038
E11-147-S1	31101889038
E11-147-S2	31101889039
E11-147-S2	31101889039
E11-148-S1	31101889020
E11-148-S1	31101889020
E11-148-S3	31101889024
E11-148-S3	31101889024
E11-151-S1	31101889025
E11-151-S1	31101889025
E11-151-S2	31101889026
E11-151-S2	31101889026
E11-151-S3	31101889027
E11-151-S3	31101889027
E11-151-S4	31101889028
E11-151-S4	31101889028
Trip Blank (2)	31101889019
Trip Blank (2)	31101889019

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

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

5083

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : VXX1838 **Analysis Method :** 8260B **Analysis Date :** 07/27/2011
Preparation Batch : VXX1838 **Preparation Type :** 5035 **Preparation Date :** 07/27/2011
Lab Reporting Batch : 31101889 **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
32581	SO	Bromomethane	134	13	10.00	75.00	125.00	20.00
		trans-1,2-Dichloroethene	107	22	10.00	75.00	125.00	20.00

Associated Samples	
Client Sample ID	Lab Sample ID
E11-145-S3	31101889031
E11-145-S3	31101889031
E11-148-S2	31101889021
E11-148-S2	31101889021

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

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

5084

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : XXX1560 **Analysis Method :** 8270D **Analysis Date :** 07/22/2011
Preparation Batch : XXX1560 **Preparation Type :** 3541 **Preparation Date :** 07/21/2011
Lab Reporting Batch : 31101889 **Lab ID:** SGSW

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

Associated Samples	
Client Sample ID	Lab Sample ID
E11-107-S1	31101889004
E11-107-S1	31101889004
E11-128-S1	31101889002
E11-128-S1	31101889002
E11-128-S2	31101889003
E11-128-S2	31101889003
E11-135-S1	31101889005
E11-135-S1	31101889005
E11-135-S2	31101889006
E11-135-S2	31101889006
E11-135-S3	31101889009
E11-135-S3	31101889009
E11-135-S4	31101889010
E11-135-S4	31101889010
E11-137-S1	31101889011
E11-137-S1	31101889011

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

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

5085

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : XXX1561	Analysis Method : 8270D	Analysis Date : 07/22/2011
Preparation Batch : XXX1561	Preparation Type : 3541	Preparation Date : 07/21/2011
Lab Reporting Batch : 31101889	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
32033	SO	Hexachlorocyclopentadiene	2305		10.00	55.00	250.00	60.00
		Pentachlorophenol	67		10.00	75.00	120.00	60.00

Associated Samples	
Client Sample ID	Lab Sample ID
E11-134-S1	31101889033
E11-134-S1	31101889033
E11-137-S2	31101889012
E11-137-S2	31101889012
E11-137-S3	31101889013
E11-137-S3	31101889013
E11-137-S4	31101889014
E11-137-S4	31101889014
E11-141-S1	31101889015
E11-141-S1	31101889015
E11-141-S2	31101889016
E11-141-S2	31101889016
E11-141-S3	31101889017
E11-141-S3	31101889017
E11-141-S4	31101889018
E11-141-S4	31101889018
E11-145-S1	31101889029
E11-145-S1	31101889029
E11-145-S2	31101889030
E11-145-S2	31101889030
E11-145-S3	31101889031
E11-145-S3	31101889031
E11-148-S1	31101889020
E11-148-S1	31101889020
E11-148-S2	31101889021
E11-148-S2	31101889021
E11-148-S3	31101889024
F11-148-S3	31101889024
E11-151-S1	31101889025
E11-151-S1	31101889025
E11-151-S2	31101889026
E11-151-S2	31101889026
E11-151-S3	31101889027
E11-151-S3	31101889027
E11-151-S4	31101889028
E11-151-S4	31101889028

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

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

5086

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : XXX1570 **Analysis Method :** 8270D **Analysis Date :** 07/25/2011
Preparation Batch : XXX1570 **Preparation Type :** 3541 **Preparation Date :** 07/22/2011
Lab Reporting Batch : 31101889 **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
32260	SO	Hexachlorocyclopentadiene	2158		10.00	55.00	250.00	60.00
		Pentachlorophenol	70		10.00	75.00	120.00	60.00

Associated Samples	
Client Sample ID	Lab Sample ID
E11-108-S1	31101889040
E11-108-S1	31101889040
E11-134-S2	31101889034
E11-134-S2	31101889034
E11-142-S1	31101889035
E11-142-S1	31101889035
E11-142-S2	31101889037
E11-142-S2	31101889037
E11-142-S3	31101889036
E11-142-S3	31101889036
E11-143-S1	31101889041
E11-143-S1	31101889041
E11-143-S2	31101889042
E11-143-S2	31101889042
E11-147-S1	31101889038
E11-147-S1	31101889038
E11-147-S2	31101889039
E11-147-S2	31101889039

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

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

5087

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

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : MXX1378 **Analysis Method :** 6010C **Analysis Date :** 07/25/2011
Preparation Batch : MXX1378 **Preparation Type :** 3050B **Preparation Date :** 07/21/2011
Lab Reporting Batch : 31101889 **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
31101889006MSD	31101889008	SO	Arsenic	281	90	30.00	75.00	125.00	25.00
			Lead	27		30.00	75.00	125.00	25.00

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

* 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 - 11-032E Carroll Agent Orange

5089

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : VXX1829 **Analysis Method :** 8260B **Analysis Date :** 07/26/2011
Preparation Batch : VXX1829 **Preparation Type :** 5035 **Preparation Date :** 07/26/2011
Lab Reporting Batch : 31101889 **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			
31101889006MS	31101889007	SO	1,2,3-Trichlorobenzene	56		10.00	70.00	130.00	20.00			
			1,2,3-Trichloropropane	133		10.00	70.00	130.00	20.00			
			1,2,4-Trichlorobenzene	52		10.00	70.00	130.00	20.00			
			1,2-Dibromo-3-chloropropane	168		10.00	70.00	130.00	20.00			
			2-Butanone	170		10.00	70.00	130.00	20.00			
			2-Hexanone	170		10.00	70.00	130.00	20.00			
			4-Methyl-2-pentanone	183		10.00	70.00	130.00	20.00			
			Acetone	140		10.00	70.00	130.00	20.00			
			Hexachlorobutadiene	59		10.00	70.00	130.00	20.00			
			n-Butylbenzene	69		10.00	70.00	130.00	20.00			
			31101889006MSD	31101889008		1,1,1,2-Tetrachloroethane		61	10.00	70.00	130.00	20.00
						1,1,1-Trichloroethane		60	10.00	70.00	130.00	20.00
						1,1,2,2-Tetrachloroethane	139	58	10.00	70.00	130.00	20.00
1,1,2-Trichloroethane		57				10.00	70.00	130.00	20.00			
1,1-Dichloroethane		59				10.00	70.00	130.00	20.00			
1,1-Dichloroethene		57				10.00	70.00	130.00	20.00			
1,1-Dichloropropene		55				10.00	70.00	130.00	20.00			
1,2,3-Trichlorobenzene	64	63				10.00	70.00	130.00	20.00			
1,2,3-Trichloropropane	145	59				10.00	70.00	130.00	20.00			
1,2,4-Trichlorobenzene	59	62				10.00	70.00	130.00	20.00			
1,2,4-Trimethylbenzene		49				10.00	70.00	130.00	20.00			
1,2-Dibromo-3-chloropropane	184	60				10.00	70.00	130.00	20.00			
1,2-Dibromoethane		54				10.00	70.00	130.00	20.00			
1,2-Dichlorobenzene		53				10.00	70.00	130.00	20.00			
1,2-Dichloroethane		55				10.00	70.00	130.00	20.00			
1,2-Dichloropropane		57				10.00	70.00	130.00	20.00			
1,3,5-Trimethylbenzene		50				10.00	70.00	130.00	20.00			
1,3-Dichlorobenzene		47				10.00	70.00	130.00	20.00			
1,3-Dichloropropane		57				10.00	70.00	130.00	20.00			
1,4-Dichlorobenzene		52				10.00	70.00	130.00	20.00			
2,2-Dichloropropane		56				10.00	70.00	130.00	20.00			
2-Butanone	171	53				10.00	70.00	130.00	20.00			
2-Chlorotoluene		52				10.00	70.00	130.00	20.00			
2-Hexanone	178	56				10.00	70.00	130.00	20.00			
4-Chlorotoluene		52				10.00	70.00	130.00	20.00			
4-Isopropyltoluene	69	45				10.00	70.00	130.00	20.00			
4-Methyl-2-pentanone	186	53				10.00	70.00	130.00	20.00			
Acetone	150	46				10.00	70.00	130.00	20.00			
Benzene		56				10.00	70.00	130.00	20.00			
Bromobenzene		57				10.00	70.00	130.00	20.00			

* 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 - 11-032E Carroll Agent Orange

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Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

31101889006MSD	31101889008	SO						
			Bromochloromethane	52	10.00	70.00	130.00	20.00
			Bromodichloromethane	58	10.00	70.00	130.00	20.00
			Bromoform	61	10.00	70.00	130.00	20.00
			Bromomethane	78	10.00	70.00	130.00	20.00
			Carbon disulfide	56	10.00	70.00	130.00	20.00
			Carbon tetrachloride	58	10.00	70.00	130.00	20.00
			Chlorobenzene	57	10.00	70.00	130.00	20.00
			Chloroethane	62	10.00	70.00	130.00	20.00
			Chloroform	56	10.00	70.00	130.00	20.00
			Chloromethane	57	10.00	70.00	130.00	20.00
			cis-1,2-Dichloroethene	54	10.00	70.00	130.00	20.00
			cis-1,3-Dichloropropene	57	10.00	70.00	130.00	20.00
			Dibromochloromethane	60	10.00	70.00	130.00	20.00
			Dibromomethane	51	10.00	70.00	130.00	20.00
			Dichlorodifluoromethane	53	10.00	70.00	130.00	20.00
			Ethyl Benzene	49	10.00	70.00	130.00	20.00
		46	Hexachlorobutadiene	27	10.00	70.00	130.00	20.00
			Isopropylbenzene (Cumene)	51	10.00	70.00	130.00	20.00
			Methyl iodide	67	10.00	70.00	130.00	20.00
			Methylene chloride	56	10.00	70.00	130.00	20.00
			Naphthalene	70	10.00	70.00	130.00	20.00
		65	n-Butylbenzene	46	10.00	70.00	130.00	20.00
			n-Propylbenzene	49	10.00	70.00	130.00	20.00
			o-Xylene	52	10.00	70.00	130.00	20.00
			sec-Butylbenzene	47	10.00	70.00	130.00	20.00
			Styrene	56	10.00	70.00	130.00	20.00
			tert-Butyl methyl ether (MTBE)	56	10.00	70.00	130.00	20.00
			tert-Butylbenzene	50	10.00	70.00	130.00	20.00
			Tetrachloroethene	56	10.00	70.00	130.00	20.00
			Toluene	57	10.00	70.00	130.00	20.00
			trans-1,2-Dichloroethene	54	10.00	70.00	130.00	20.00
			trans-1,3-Dichloropropene	54	10.00	70.00	130.00	20.00
			Trichloroethene	57	10.00	70.00	130.00	20.00
			Trichlorofluoromethane	53	10.00	70.00	130.00	20.00
			Vinyl chloride	56	10.00	70.00	130.00	20.00

Associated Samples: All samples in Method Batch	
Client Sample ID	Lab Sample ID
E11-108-S1	31101889040
E11-108-S1	31101889040
E11-135-S2	31101889006
E11-135-S2	31101889006
E11-142-S2	31101889037
E11-142-S2	31101889037
E11-143-S1	31101889041
F11-143-S1	31101889041
E11-143-S2	31101889042
E11-143-S2	31101889042

* 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 - 11-032E Carroll Agent Orange

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Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

E11-145-S1	31101889029
E11-145-S1	31101889029
E11-145-S2	31101889030
E11-145-S2	31101889030
E11-147-S1	31101889038
E11-147-S1	31101889038
E11-147-S2	31101889039
E11-147-S2	31101889039
E11-148-S1	31101889020
E11-148-S1	31101889020
E11-148-S3	31101889024
E11-148-S3	31101889024
E11-151-S1	31101889025
E11-151-S1	31101889025
E11-151-S2	31101889026
E11-151-S2	31101889026
E11-151-S3	31101889027
E11-151-S3	31101889027
E11-151-S4	31101889028
E11-151-S4	31101889028
Trip Blank (2)	31101889019
Trip Blank (2)	31101889019

* 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 - 11-032E Carroll Agent Orange

5092

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : VXX1838 **Analysis Method :** 8260B **Analysis Date :** 07/27/2011
Preparation Batch : VXX1838 **Preparation Type :** 5035 **Preparation Date :** 07/27/2011
Lab Reporting Batch : 31101889 **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
31101889021MS	31101889022	SO	1,2-Dibromo-3-chloropropane	150		10.00	70.00	130.00	20.00
			2-Butanone	178		10.00	70.00	130.00	20.00
			2-Hexanone	150		10.00	70.00	130.00	20.00
			4-Methyl-2-pentanone	181		10.00	70.00	130.00	20.00
			Acetone	31		10.00	70.00	130.00	20.00
			Chloroethane	49		10.00	70.00	130.00	20.00
			Hexachlorobutadiene	61		10.00	70.00	130.00	20.00
31101889021MSD	31101889023	SO	1,1,2,2-Tetrachloroethane		29	10.00	70.00	130.00	20.00
			1,2,3-Trichloropropane	137		10.00	70.00	130.00	20.00
			1,2-Dibromo-3-chloropropane	173		10.00	70.00	130.00	20.00
			2-Butanone	170		10.00	70.00	130.00	20.00
			2-Hexanone	169		10.00	70.00	130.00	20.00
			4-Methyl-2-pentanone	183		10.00	70.00	130.00	20.00
			Acetone	7.9		10.00	70.00	130.00	20.00
			Bromoform		28	10.00	70.00	130.00	20.00
			Chloroethane		59	10.00	70.00	130.00	20.00
			Hexachlorobutadiene	66		10.00	70.00	130.00	20.00

Associated Samples: All samples in Method Batch	
Client Sample ID	Lab Sample ID
E11-145-S3	31101889031
E11-145-S3	31101889031
E11-148-S2	31101889021
E11-148-S2	31101889021

* 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 - 11-032E Carroll Agent Orange

5093

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : XXX1560 **Analysis Method :** 8270D **Analysis Date :** 07/24/2011
Preparation Batch : XXX1560 **Preparation Type :** 3541 **Preparation Date :** 07/21/2011
Lab Reporting Batch : 31101889 **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
31101889006MS	31101889007	SO	Hexachlorocyclopentadiene	1974		10.00	45.00	135.00	60.00
31101889006MSD	31101889008		Hexachlorocyclopentadiene	2158		10.00	45.00	135.00	60.00

Associated Samples: All samples in Method Batch	
Client Sample ID	Lab Sample ID
E11-107-S1	31101889004
E11-107-S1	31101889004
E11-128-S1	31101889002
E11-128-S1	31101889002
E11-128-S2	31101889003
E11-128-S2	31101889003
E11-135-S1	31101889005
E11-135-S1	31101889005
E11-135-S2	31101889006
E11-135-S2	31101889006
E11-135-S3	31101889009
E11-135-S3	31101889009
E11-135-S4	31101889010
E11-135-S4	31101889010
E11-137-S1	31101889011
E11-137-S1	31101889011

* 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 - 11-032E Carroll Agent Orange

5094

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : XXX1561 **Analysis Method :** 8270D **Analysis Date :** 07/24/2011
Preparation Batch : XXX1561 **Preparation Type :** 3541 **Preparation Date :** 07/21/2011
Lab Reporting Batch : 31101889 **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
31101889021MS	31101889022	SO	Hexachlorocyclopentadiene	1946		10.00	45.00	135.00	60.00
31101889021MSD	31101889023		Hexachlorocyclopentadiene	1917		10.00	45.00	135.00	60.00

Associated Samples: All samples in Method Batch	
Client Sample ID	Lab Sample ID
E11-134-S1	31101889033
E11-134-S1	31101889033
E11-137-S2	31101889012
E11-137-S2	31101889012
E11-137-S3	31101889013
E11-137-S3	31101889013
E11-137-S4	31101889014
E11-137-S4	31101889014
E11-141-S1	31101889015
E11-141-S1	31101889015
E11-141-S2	31101889016
E11-141-S2	31101889016
E11-141-S3	31101889017
E11-141-S3	31101889017
E11-141-S4	31101889018
E11-141-S4	31101889018
E11-145-S1	31101889029
E11-145-S1	31101889029
E11-145-S2	31101889030
E11-145-S2	31101889030
E11-145-S3	31101889031
E11-145-S3	31101889031
E11-148-S1	31101889020
E11-148-S1	31101889020
E11-148-S2	31101889021
E11-148-S2	31101889021
E11-148-S3	31101889024
E11-148-S3	31101889024
E11-151-S1	31101889025
E11-151-S1	31101889025
E11-151-S2	31101889026
E11-151-S2	31101889026
E11-151-S3	31101889027
E11-151-S3	31101889027
E11-151-S4	31101889028
E11-151-S4	31101889028

* 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 - 11-032E Carroll Agent Orange

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Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : XXX1565 **Analysis Method :** 8081 **Analysis Date :** 07/27/2011
Preparation Batch : XXX1565 **Preparation Type :** 3541 **Preparation Date :** 07/21/2011
Lab Reporting Batch : 31101889 **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
31101889021MS	31101889022	SO	4,4'-DDT	-93		10.00	40.00	140.00	50.00
			4,4'-DDT	-93		10.00	40.00	140.00	50.00
31101889021MSD	31101889023		4,4'-DDT	24		10.00	40.00	140.00	50.00
			4,4'-DDT	24		10.00	40.00	140.00	50.00

Associated Samples: All samples in Method Batch	
Client Sample ID	Lab Sample ID
E11-134-S1	31101889033
E11-134-S1	31101889033
E11-137-S2	31101889012
E11-137-S2	31101889012
E11-137-S3	31101889013
E11-137-S3	31101889013
E11-137-S4	31101889014
E11-137-S4	31101889014
E11-141-S1	31101889015
E11-141-S1	31101889015
E11-141-S2	31101889016
E11-141-S2	31101889016
E11-141-S3	31101889017
E11-141-S3	31101889017
E11-141-S4	31101889018
E11-141-S4	31101889018
E11-145-S1	31101889029
E11-145-S1	31101889029
E11-145-S2	31101889030
E11-145-S2	31101889030
E11-145-S3	31101889031
E11-145-S3	31101889031
E11-148-S1	31101889020
E11-148-S1	31101889020
E11-148-S2	31101889021
E11 148-S2	31101889021
E11-148-S3	31101889024
E11-148-S3	31101889024
E11-151-S1	31101889025
E11-151-S1	31101889025
E11-151-S2	31101889026
E11-151-S2	31101889026
E11-151-S3	31101889027
E11-151-S3	31101889027
E11-151-S4	31101889028

* 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 - 11-032E Carroll Agent Orange

5096

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

E11-151-S4

31101889028

* 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 - 11-032E Carroll Agent Orange

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Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : XXX1566 **Analysis Method :** 8151 **Analysis Date :** 07/28/2011
Preparation Batch : XXX1566 **Preparation Type :** 3541 **Preparation Date :** 07/21/2011
Lab Reporting Batch : 31101889 **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
31101889006MSD	31101889008	SO	Dicamba	34		5.00	25.00	115.00	25.00
			Dicamba	34		5.00	25.00	115.00	25.00

Associated Samples: All samples in Method Batch	
Client Sample ID	Lab Sample ID
E11-107-S1	31101889004
E11-107-S1	31101889004
E11-128-S1	31101889002
E11-128-S1	31101889002
E11-128-S2	31101889003
E11-128-S2	31101889003
E11-135-S2	31101889006
E11-135-S2	31101889006

* 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 - 11-032E Carroll Agent Orange

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Surrogate Recovery Outlier Report*

*Excludes samples diluted more than 20x

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Surrogate Recovery Outlier Report

Lab Report Batch: 31101889

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	
31101889021MSD	31101889023	8081	10	SO	Tetrachloro-m-xylene	69	70.0	130.0	10.0	All Target
E11-134-S1	31101889033	8260B	1	SO	1,2-Dichloroethane-d4	121	80.0	120.0	10.0	All Target
					4-Bromofluorobenzene	77	80.0	120.0	10.0	All Target
E11-135-S2	31101889006	8260B	1	SO	1,2-Dichloroethane-d4	121	80.0	120.0	10.0	All Target
E11-135-S3	31101889009	8081	1	SO	Tetrachloro-m-xylene	69	70.0	130.0	10.0	All Target
E11-143-S1	31101889041	8081	1	SO	Tetrachloro-m-xylene	62	70.0	130.0	10.0	All Target
E11-143-S2	31101889042	8081	1	SO	Tetrachloro-m-xylene	68	70.0	130.0	10.0	All Target
E11-147-S1	31101889038	8260B	1	SO	1,2-Dichloroethane-d4	129	80.0	120.0	10.0	All Target
E11-148-S2	31101889021	8081	10	SO	Tetrachloro-m-xylene	64	70.0	130.0	10.0	All Target
E11-151-S2	31101889026	8260B	1	SO	1,2-Dichloroethane-d4	121	80.0	120.0	10.0	All Target
E11-151-S3	31101889027	8260B	1	SO	1,2-Dichloroethane-d4	121	80.0	120.0	10.0	All Target

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

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