

Data Qualifier Summary

Lab Reporting Batch ID: DX093

Laboratory: LL

EDD Filename: DX093_v1

eQAPP Name: CDM_SSFL_110509

Q	Matrix Spike Upper Rejection
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 12:08:39 PM

ADR version 1.4.0.111

Page 15 of 15

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX093

Method Blank Outlier Report

Lab Reporting Batch ID: DX093

Laboratory: LL

EDD Filename: DX093_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1540B370528	6/7/2011 5:28:00 AM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD 2,3,7,8-TCDF OCDD OCDF	3.82 pg/L 2.66 pg/L 1.23 pg/L 0.888 pg/L 1.05 pg/L 0.712 pg/L 1.06 pg/L 1.50 pg/L 1.01 pg/L 1.18 pg/L 0.895 pg/L 1.18 pg/L 0.981 pg/L 0.343 pg/L 0.368 pg/L 9.88 pg/L 3.74 pg/L	EB11-SA8N-SB-052611
BLK1710B371926	8/23/2011 7:26:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF OCDD OCDF	6.67 pg/L 1.14 pg/L 0.982 pg/L 0.509 pg/L 0.363 pg/L 0.434 pg/L 0.765 pg/L 0.608 pg/L 0.249 pg/L 0.310 pg/L 0.530 pg/L 0.557 pg/L 13.7 pg/L 1.25 pg/L	EB09-SA5DN-SS-052611

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
EB09-SA5DN-SS-052611(RES)	1,2,3,4,6,7,8-HPCDD	5.91 pg/L	5.91U pg/L
EB09-SA5DN-SS-052611(RES)	1,2,3,4,6,7,8-HPCDF	0.601 pg/L	0.601U pg/L
EB09-SA5DN-SS-052611(RES)	1,2,3,4,7,8,9-HPCDF	0.365 pg/L	0.365U pg/L
EB09-SA5DN-SS-052611(RES)	1,2,3,4,7,8-HxCDF	0.256 pg/L	0.256U pg/L
EB09-SA5DN-SS-052611(RES)	1,2,3,6,7,8-HxCDD	0.287 pg/L	0.287U pg/L
EB09-SA5DN-SS-052611(RES)	1,2,3,6,7,8-HxCDF	0.345 pg/L	0.345U pg/L
EB09-SA5DN-SS-052611(RES)	1,2,3,7,8,9-HxCDD	0.429 pg/L	0.429U pg/L
EB09-SA5DN-SS-052611(RES)	1,2,3,7,8,9-HxCDF	0.183 pg/L	0.183U pg/L
EB09-SA5DN-SS-052611(RES)	1,2,3,7,8-PECDD	0.349 pg/L	0.349U pg/L
EB09-SA5DN-SS-052611(RES)	2,3,4,6,7,8-HxCDF	0.169 pg/L	0.169U pg/L
EB09-SA5DN-SS-052611(RES)	2,3,4,7,8-PECDF	0.426 pg/L	0.426U pg/L
EB09-SA5DN-SS-052611(RES)	OCDD	14.2 pg/L	14.2U pg/L
EB09-SA5DN-SS-052611(RES)	OCDF	1.12 pg/L	1.12U pg/L
EB11-SA8N-SB-052611(RES)	1,2,3,4,6,7,8-HPCDD	2.70 pg/L	2.70U pg/L
EB11-SA8N-SB-052611(RES)	1,2,3,4,6,7,8-HPCDF	1.71 pg/L	1.71U pg/L
EB11-SA8N-SB-052611(RES)	1,2,3,4,7,8,9-HPCDF	0.593 pg/L	0.593U pg/L
EB11-SA8N-SB-052611(RES)	1,2,3,4,7,8-HxCDD	0.457 pg/L	0.457U pg/L
EB11-SA8N-SB-052611(RES)	1,2,3,4,7,8-HxCDF	0.439 pg/L	0.439U pg/L
EB11-SA8N-SB-052611(RES)	1,2,3,6,7,8-HxCDD	0.323 pg/L	0.323U pg/L
EB11-SA8N-SB-052611(RES)	1,2,3,7,8,9-HxCDD	0.483 pg/L	0.483U pg/L

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 12:07:23 PM

ADR version 1.4.0.111

Page 1 of 6

Method Blank Outlier Report

Lab Reporting Batch ID: DX093

Laboratory: LL

EDD Filename: DX093_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
EB11-SA8N-SB-052611(RES)	1,2,3,7,8,9-HXCDF	0.579 pg/L	0.579U pg/L
EB11-SA8N-SB-052611(RES)	1,2,3,7,8-PECDD	0.411 pg/L	0.411U pg/L
EB11-SA8N-SB-052611(RES)	1,2,3,7,8-PECDF	0.247 pg/L	0.247U pg/L
EB11-SA8N-SB-052611(RES)	2,3,4,6,7,8-HXCDF	0.882 pg/L	0.882U pg/L
EB11-SA8N-SB-052611(RES)	2,3,4,7,8-PECDF	0.695 pg/L	0.695U pg/L
EB11-SA8N-SB-052611(RES)	2,3,7,8-TCDD	0.301 pg/L	0.301U pg/L
EB11-SA8N-SB-052611(RES)	OCDD	6.60 pg/L	6.60U pg/L
EB11-SA8N-SB-052611(RES)	OCDF	2.18 pg/L	2.18U pg/L

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1600B371929	6/10/2011 7:29:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HXCDF 1,2,3,6,7,8-HXCDD 1,2,3,6,7,8-HXCDF 1,2,3,7,8,9-HXCDD 1,2,3,7,8,9-HXCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HXCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD OCDD OCDF	0.165 ng/Kg 0.0916 ng/Kg 0.0865 ng/Kg 0.0405 ng/Kg 0.0410 ng/Kg 0.0321 ng/Kg 0.0212 ng/Kg 0.0266 ng/Kg 0.0765 ng/Kg 0.0422 ng/Kg 0.0406 ng/Kg 0.0475 ng/Kg 0.0851 ng/Kg 0.0262 ng/Kg 0.358 ng/Kg 0.272 ng/Kg	DUP09-SA8N-QC-052611 SL-002-SA8N-SB-9.0-10.0 SL-170-SA5DN-SS-0.0-0.5 SL-171-SA5DN-SS-0.0-0.5 SL-172-SA5DN-SS-0.0-0.5 SL-173-SA5DN-SS-0.0-0.5 SL-175-SA5DN-SS-0.0-0.5 SL-179-SA5DN-SS-0.0-0.5 SL-180-SA5DN-SS-0.0-0.5 SL-181-SA5DN-SS-0.0-0.5 SL-182-SA5DN-SS-0.0-0.5 SL-183-SA5DN-SS-0.0-0.5 SL-184-SA5DN-SS-0.0-0.5
BLK1640B370048	6/19/2011 12:48:00 AM	2,3,7,8-TCDF	0.0331 ng/Kg	SL-002-SA8N-SB-4.0-5.0 SL-008-SA8N-SB-4.0-5.0 SL-008-SA8N-SB-9.0-10.0 SL-164-SA5DN-SS-0.0-0.5 SL-165-SA5DN-SS-0.0-0.5 SL-174-SA5DN-SS-0.0-0.5 SL-176-SA5DN-SS-0.0-0.5
BLK1640B371219	6/15/2011 12:19:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HXCDF 1,2,3,6,7,8-HXCDD 1,2,3,6,7,8-HXCDF 1,2,3,7,8,9-HXCDD 1,2,3,7,8,9-HXCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HXCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD OCDD OCDF	0.441 ng/Kg 0.125 ng/Kg 0.129 ng/Kg 0.0282 ng/Kg 0.0646 ng/Kg 0.0834 ng/Kg 0.0428 ng/Kg 0.0880 ng/Kg 0.103 ng/Kg 0.0678 ng/Kg 0.0398 ng/Kg 0.0484 ng/Kg 0.0741 ng/Kg 0.0312 ng/Kg 1.24 ng/Kg 0.518 ng/Kg	SL-002-SA8N-SB-4.0-5.0 SL-008-SA8N-SB-4.0-5.0 SL-008-SA8N-SB-9.0-10.0 SL-164-SA5DN-SS-0.0-0.5 SL-165-SA5DN-SS-0.0-0.5 SL-174-SA5DN-SS-0.0-0.5 SL-176-SA5DN-SS-0.0-0.5

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 12:07:23 PM

ADR version 1.4.0.111

Page 2 of 6

Method Blank Outlier Report

Lab Reporting Batch ID: DX093

Laboratory: LL

EDD Filename: DX093_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP09-SA8N-QC-052611(RES)	1,2,3,4,6,7,8-HPCDD	0.193 ng/Kg	0.193U ng/Kg
DUP09-SA8N-QC-052611(RES)	1,2,3,4,6,7,8-HPCDF	0.128 ng/Kg	0.128U ng/Kg
DUP09-SA8N-QC-052611(RES)	1,2,3,4,7,8,9-HPCDF	0.0500 ng/Kg	0.0500U ng/Kg
DUP09-SA8N-QC-052611(RES)	1,2,3,4,7,8-HXCDF	0.0210 ng/Kg	0.0210U ng/Kg
DUP09-SA8N-QC-052611(RES)	1,2,3,6,7,8-HXCDD	0.0196 ng/Kg	0.0196U ng/Kg
DUP09-SA8N-QC-052611(RES)	1,2,3,6,7,8-HXCDF	0.0253 ng/Kg	0.0253U ng/Kg
DUP09-SA8N-QC-052611(RES)	1,2,3,7,8,9-HXCDD	0.0217 ng/Kg	0.0217U ng/Kg
DUP09-SA8N-QC-052611(RES)	1,2,3,7,8,9-HXCDF	0.0377 ng/Kg	0.0377U ng/Kg
DUP09-SA8N-QC-052611(RES)	1,2,3,7,8-PECDD	0.0255 ng/Kg	0.0255U ng/Kg
DUP09-SA8N-QC-052611(RES)	1,2,3,7,8-PECDF	0.0318 ng/Kg	0.0318U ng/Kg
DUP09-SA8N-QC-052611(RES)	2,3,4,6,7,8-HXCDF	0.0688 ng/Kg	0.0688U ng/Kg
DUP09-SA8N-QC-052611(RES)	2,3,4,7,8-PECDF	0.0611 ng/Kg	0.0611U ng/Kg
DUP09-SA8N-QC-052611(RES)	OCDD	0.568 ng/Kg	0.568U ng/Kg
DUP09-SA8N-QC-052611(RES)	OCDF	0.173 ng/Kg	0.173U ng/Kg
SL-002-SA8N-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.519 ng/Kg	0.519U ng/Kg
SL-002-SA8N-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0465 ng/Kg	0.0465U ng/Kg
SL-002-SA8N-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0386 ng/Kg	0.0386U ng/Kg
SL-002-SA8N-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0232 ng/Kg	0.0232U ng/Kg
SL-002-SA8N-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0223 ng/Kg	0.0223U ng/Kg
SL-002-SA8N-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0295 ng/Kg	0.0295U ng/Kg
SL-002-SA8N-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0257 ng/Kg	0.0257U ng/Kg
SL-002-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0642 ng/Kg	0.0642U ng/Kg
SL-002-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0345 ng/Kg	0.0345U ng/Kg
SL-002-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0398 ng/Kg	0.0398U ng/Kg
SL-002-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0511 ng/Kg	0.0511U ng/Kg
SL-002-SA8N-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0277 ng/Kg	0.0277U ng/Kg
SL-002-SA8N-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0831 ng/Kg	0.0831U ng/Kg
SL-002-SA8N-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0342 ng/Kg	0.0342U ng/Kg
SL-002-SA8N-SB-4.0-5.0(RES)	OCDD	1.49 ng/Kg	1.49U ng/Kg
SL-002-SA8N-SB-4.0-5.0(RES)	OCDF	0.131 ng/Kg	0.131U ng/Kg
SL-002-SA8N-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.520 ng/Kg	0.520U ng/Kg
SL-002-SA8N-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.232 ng/Kg	0.232U ng/Kg
SL-002-SA8N-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.257 ng/Kg	0.257U ng/Kg
SL-002-SA8N-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.122 ng/Kg	0.122U ng/Kg
SL-002-SA8N-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.102 ng/Kg	0.102U ng/Kg
SL-002-SA8N-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.204 ng/Kg	0.204U ng/Kg
SL-002-SA8N-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0895 ng/Kg	0.0895U ng/Kg
SL-002-SA8N-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0849 ng/Kg	0.0849U ng/Kg
SL-002-SA8N-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.182 ng/Kg	0.182U ng/Kg
SL-002-SA8N-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.111 ng/Kg	0.111U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 12:07:23 PM

ADR version 1.4.0.111

Page 3 of 6

Method Blank Outlier Report

Lab Reporting Batch ID: DX093

Laboratory: LL

EDD Filename: DX093_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-002-SA8N-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0355 ng/Kg	0.0355U ng/Kg
SL-002-SA8N-SB-9.0-10.0(RES)	OCDF	0.578 ng/Kg	0.578U ng/Kg
SL-008-SA8N-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.07 ng/Kg	1.07U ng/Kg
SL-008-SA8N-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.438 ng/Kg	0.438U ng/Kg
SL-008-SA8N-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.265 ng/Kg	0.265U ng/Kg
SL-008-SA8N-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.313 ng/Kg	0.313U ng/Kg
SL-008-SA8N-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.252 ng/Kg	0.252U ng/Kg
SL-008-SA8N-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.214 ng/Kg	0.214U ng/Kg
SL-008-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.355 ng/Kg	0.355U ng/Kg
SL-008-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.321 ng/Kg	0.321U ng/Kg
SL-008-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.188 ng/Kg	0.188U ng/Kg
SL-008-SA8N-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.241 ng/Kg	0.241U ng/Kg
SL-008-SA8N-SB-4.0-5.0(RES)	OCDD	3.93 ng/Kg	3.93U ng/Kg
SL-008-SA8N-SB-4.0-5.0(RES)	OCDF	1.04 ng/Kg	1.04U ng/Kg
SL-008-SA8N-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.600 ng/Kg	0.600U ng/Kg
SL-008-SA8N-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0907 ng/Kg	0.0907U ng/Kg
SL-008-SA8N-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0363 ng/Kg	0.0363U ng/Kg
SL-008-SA8N-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0339 ng/Kg	0.0339U ng/Kg
SL-008-SA8N-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0378 ng/Kg	0.0378U ng/Kg
SL-008-SA8N-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0596 ng/Kg	0.0596U ng/Kg
SL-008-SA8N-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0489 ng/Kg	0.0489U ng/Kg
SL-008-SA8N-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0750 ng/Kg	0.0750U ng/Kg
SL-008-SA8N-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0456 ng/Kg	0.0456U ng/Kg
SL-008-SA8N-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0572 ng/Kg	0.0572U ng/Kg
SL-008-SA8N-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0487 ng/Kg	0.0487U ng/Kg
SL-008-SA8N-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0399 ng/Kg	0.0399U ng/Kg
SL-008-SA8N-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0862 ng/Kg	0.0862U ng/Kg
SL-008-SA8N-SB-9.0-10.0(RES)	OCDD	2.65 ng/Kg	2.65U ng/Kg
SL-008-SA8N-SB-9.0-10.0(RES)	OCDF	0.302 ng/Kg	0.302U ng/Kg
SL-164-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.215 ng/Kg	0.215U ng/Kg
SL-164-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.197 ng/Kg	0.197U ng/Kg
SL-164-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0544 ng/Kg	0.0544U ng/Kg
SL-165-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.322 ng/Kg	0.322U ng/Kg
SL-165-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0640 ng/Kg	0.0640U ng/Kg
SL-170-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.105 ng/Kg	0.105U ng/Kg
SL-170-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.140 ng/Kg	0.140U ng/Kg
SL-170-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.204 ng/Kg	0.204U ng/Kg
SL-170-SA5DN-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.214 ng/Kg	0.214U ng/Kg
SL-170-SA5DN-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.336 ng/Kg	0.336U ng/Kg
SL-170-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0480 ng/Kg	0.0480U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 12:07:23 PM

ADR version 1.4.0.111

Page 4 of 6

Method Blank Outlier Report

Lab Reporting Batch ID: DX093

Laboratory: LL

EDD Filename: DX093_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-171-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.421 ng/Kg	0.421U ng/Kg
SL-172-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.136 ng/Kg	0.136U ng/Kg
SL-172-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.119 ng/Kg	0.119U ng/Kg
SL-172-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.0679 ng/Kg	0.0679U ng/Kg
SL-172-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.203 ng/Kg	0.203U ng/Kg
SL-172-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.172 ng/Kg	0.172U ng/Kg
SL-172-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0626 ng/Kg	0.0626U ng/Kg
SL-172-SA5DN-SS-0.0-0.5(RES)	2,3,4,6,7,8-HxCDF	0.141 ng/Kg	0.141U ng/Kg
SL-172-SA5DN-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.196 ng/Kg	0.196U ng/Kg
SL-172-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0650 ng/Kg	0.0650U ng/Kg
SL-173-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.403 ng/Kg	0.403U ng/Kg
SL-173-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.223 ng/Kg	0.223U ng/Kg
SL-173-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.177 ng/Kg	0.177U ng/Kg
SL-173-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0375 ng/Kg	0.0375U ng/Kg
SL-174-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.396 ng/Kg	0.396U ng/Kg
SL-174-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.203 ng/Kg	0.203U ng/Kg
SL-174-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.291 ng/Kg	0.291U ng/Kg
SL-174-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.124 ng/Kg	0.124U ng/Kg
SL-175-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0863 ng/Kg	0.0863U ng/Kg
SL-176-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.343 ng/Kg	0.343U ng/Kg
SL-176-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.366 ng/Kg	0.366U ng/Kg
SL-176-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.327 ng/Kg	0.327U ng/Kg
SL-176-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0980 ng/Kg	0.0980U ng/Kg
SL-179-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.146 ng/Kg	0.146U ng/Kg
SL-179-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.189 ng/Kg	0.189U ng/Kg
SL-179-SA5DN-SS-0.0-0.5(RES)	2,3,4,6,7,8-HxCDF	0.231 ng/Kg	0.231U ng/Kg
SL-179-SA5DN-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.389 ng/Kg	0.389U ng/Kg
SL-179-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0659 ng/Kg	0.0659U ng/Kg
SL-180-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.126 ng/Kg	0.126U ng/Kg
SL-180-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.161 ng/Kg	0.161U ng/Kg
SL-180-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.195 ng/Kg	0.195U ng/Kg
SL-180-SA5DN-SS-0.0-0.5(RES)	2,3,4,6,7,8-HxCDF	0.168 ng/Kg	0.168U ng/Kg
SL-180-SA5DN-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.305 ng/Kg	0.305U ng/Kg
SL-180-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0482 ng/Kg	0.0482U ng/Kg
SL-181-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.399 ng/Kg	0.399U ng/Kg
SL-181-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0453 ng/Kg	0.0453U ng/Kg
SL-182-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.178 ng/Kg	0.178U ng/Kg
SL-182-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.152 ng/Kg	0.152U ng/Kg
SL-182-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.135 ng/Kg	0.135U ng/Kg
SL-182-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.125 ng/Kg	0.125U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 12:07:23 PM

ADR version 1.4.0.111

Page 5 of 6

Method Blank Outlier Report

Lab Reporting Batch ID: DX093

Laboratory: LL

EDD Filename: DX093_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-182-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0698 ng/Kg	0.0698U ng/Kg
SL-182-SA5DN-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.174 ng/Kg	0.174U ng/Kg
SL-182-SA5DN-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.259 ng/Kg	0.259U ng/Kg
SL-182-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0212 ng/Kg	0.0212U ng/Kg
SL-183-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.195 ng/Kg	0.195U ng/Kg
SL-183-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.199 ng/Kg	0.199U ng/Kg
SL-183-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.138 ng/Kg	0.138U ng/Kg
SL-183-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0596 ng/Kg	0.0596U ng/Kg
SL-183-SA5DN-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.282 ng/Kg	0.282U ng/Kg
SL-184-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.104 ng/Kg	0.104U ng/Kg
SL-184-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0870 ng/Kg	0.0870U ng/Kg
SL-184-SA5DN-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0939 ng/Kg	0.0939U ng/Kg
SL-184-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.107 ng/Kg	0.107U ng/Kg
SL-184-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.106 ng/Kg	0.106U ng/Kg
SL-184-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0636 ng/Kg	0.0636U ng/Kg
SL-184-SA5DN-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.118 ng/Kg	0.118U ng/Kg
SL-184-SA5DN-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.242 ng/Kg	0.242U ng/Kg
SL-184-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0441 ng/Kg	0.0441U ng/Kg

Field Duplicate RPD Report

Lab Reporting Batch ID: DX093

Laboratory: LL

EDD Filename: DX093_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-002-SA8N-SB-4.0-5.0	DUP09-SA8N-QC-052611			
MOISTURE	16.3	15.3	6		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-002-SA8N-SB-4.0-5.0	DUP09-SA8N-QC-052611			
1,2,3,4,7,8,9-HPCDF	0.0386	0.0500	26	50.00	No Qualifiers Applied
1,2,3,4,7,8-HXCDF	0.0223	0.0210	6	50.00	
1,2,3,6,7,8-HXCDD	0.0295	0.0196	40	50.00	
1,2,3,6,7,8-HXCDF	0.0257	0.0253	2	50.00	
1,2,3,7,8,9-HXCDF	0.0345	0.0377	9	50.00	
1,2,3,7,8-PECDD	0.0398	0.0255	44	50.00	
1,2,3,7,8-PECDF	0.0511	0.0318	47	50.00	
2,3,4,7,8-PECDF	0.0831	0.0611	31	50.00	
OCDF	0.131	0.173	28	50.00	
1,2,3,4,6,7,8-HPCDD	0.519	0.193	92	50.00	J(all detects) UJ(all non-detects)
1,2,3,4,6,7,8-HPCDF	0.0465	0.128	93	50.00	
1,2,3,4,7,8-HxCDD	0.0232	5.86 U	200	50.00	
1,2,3,7,8,9-HXCDD	0.0642	0.0217	99	50.00	
2,3,4,6,7,8-HXCDF	0.0277	0.0688	85	50.00	
2,3,7,8-TCDD	0.0342	1.17 U	200	50.00	
2,3,7,8-TCDF	0.0368	1.17 U	200	50.00	
OCDD	1.49	0.568	90	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX093

Laboratory: LL

EDD Filename: DX093_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB09-SA5DN-SS-052611	1,2,3,4,6,7,8-HPCDD	JBQ	5.91	10.8	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.601	10.8	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.365	10.8	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JB	0.256	10.8	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JBQ	0.287	10.8	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JB	0.345	10.8	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JBQ	0.429	10.8	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JBQ	0.183	10.8	PQL	pg/L	
	1,2,3,7,8-PECDD	JBQ	0.349	10.8	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.169	10.8	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.426	10.8	PQL	pg/L	
	OCDD	JB	14.2	21.5	PQL	pg/L	
	OCDF	JBQ	1.12	21.5	PQL	pg/L	
EB11-SA8N-SB-052611	1,2,3,4,6,7,8-HPCDD	JB	2.70	10.1	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.71	10.1	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.593	10.1	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JBQ	0.457	10.1	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.439	10.1	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JBQ	0.323	10.1	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JB	0.483	10.1	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JBQ	0.579	10.1	PQL	pg/L	
	1,2,3,7,8-PECDD	JBQ	0.411	10.1	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.247	10.1	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.882	10.1	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.695	10.1	PQL	pg/L	
	2,3,7,8-TCDD	JBQ	0.301	2.02	PQL	pg/L	
	OCDD	JB	6.60	20.2	PQL	pg/L	
	OCDF	JB	2.18	20.2	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP09-SA8N-QC-052611	1,2,3,4,6,7,8-HPCDD	JBQ	0.193	5.86	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.128	5.86	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0500	5.86	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0210	5.86	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0196	5.86	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0253	5.86	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0217	5.86	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0377	5.86	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0255	5.86	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0318	5.86	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0688	5.86	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0611	5.86	PQL	ng/Kg	
	OCDD	JBQ	0.568	11.7	PQL	ng/Kg	
	OCDF	JBQ	0.173	11.7	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX093

Laboratory: LL

EDD Filename: DX093_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-002-SA8N-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.519	5.87	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0465	5.87	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0386	5.87	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0232	5.87	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0223	5.87	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0295	5.87	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0257	5.87	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0642	5.87	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0345	5.87	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0398	5.87	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0511	5.87	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0277	5.87	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0831	5.87	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0342	1.17	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0368	1.17	PQL	ng/Kg	
	OCDD	JB	1.49	11.7	PQL	ng/Kg	
	OCDF	JB	0.131	11.7	PQL	ng/Kg	
SL-002-SA8N-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.520	5.84	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.232	5.84	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.257	5.84	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.122	5.84	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.233	5.84	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.102	5.84	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.172	5.84	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.154	5.84	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.204	5.84	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0895	5.84	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0849	5.84	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.182	5.84	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.111	5.84	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0355	1.17	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0223	1.17	PQL	ng/Kg	
	OCDD	JBQ	2.00	11.7	PQL	ng/Kg	
	OCDF	JB	0.578	11.7	PQL	ng/Kg	
SL-008-SA8N-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.07	5.85	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.438	5.85	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.265	5.85	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.237	5.85	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.313	5.85	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.252	5.85	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.214	5.85	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.355	5.85	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.321	5.85	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.188	5.85	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.225	5.85	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.278	5.85	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.241	5.85	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0719	1.17	PQL	ng/Kg	
	OCDD	JB	3.93	11.7	PQL	ng/Kg	
	OCDF	JB	1.04	11.7	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX093

Laboratory: LL

EDD Filename: DX093_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-008-SA8N-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.600	5.69	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0907	5.69	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0363	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0339	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0378	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0596	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0489	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0750	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0456	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0572	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0487	5.69	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0399	5.69	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0862	5.69	PQL	ng/Kg	
	OCDD	JB	2.65	11.4	PQL	ng/Kg	
	OCDF	JB	0.302	11.4	PQL	ng/Kg	
SL-164-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.94	5.42	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.215	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.191	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.494	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.881	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.261	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.854	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.605	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.197	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.531	5.42	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.419	5.42	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.804	5.42	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0544	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.386	1.08	PQL	ng/Kg	
	OCDF	JB	5.29	10.8	PQL	ng/Kg	
SL-165-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.04	5.33	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.622	5.33	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.617	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.35	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.631	5.33	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.06	5.33	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.322	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.345	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.86	5.33	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.753	5.33	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.749	5.33	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0640	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.524	1.07	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX093

Laboratory: LL

EDD Filename: DX093_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-170-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	4.31	5.00	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.625	5.00	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.105	5.00	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.140	5.00	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.314	5.00	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.286	5.00	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.229	5.00	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.206	5.00	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.204	5.00	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.273	5.00	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.287	5.00	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.214	5.00	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.336	5.00	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0480	1.00	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0809	1.00	PQL	ng/Kg	
	OCDF	JB	2.27	10.0	PQL	ng/Kg	
SL-171-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.421	5.24	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.74	5.24	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.783	5.24	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.729	5.24	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.49	5.24	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.88	5.24	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.324	5.24	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.975	5.24	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.07	5.24	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.220	1.05	PQL	ng/Kg	
SL-172-SA5DN-SS-0.0-0.5	2,3,7,8-TCDF	JQ	0.225	1.05	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.20	5.31	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.136	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.119	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0679	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.430	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.110	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.376	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.203	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.172	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0626	5.31	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.141	5.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.196	5.31	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0650	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0468	1.06	PQL	ng/Kg	
	OCDF	JB	2.65	10.6	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX093

Laboratory: LL

EDD Filename: DX093_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-173-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.403	5.26	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.460	5.26	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.480	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.80	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.676	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.08	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.223	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.230	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.177	5.26	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.665	5.26	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.898	5.26	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0375	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.380	1.05	PQL	ng/Kg	
SL-174-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.48	5.10	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.396	5.10	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.288	5.10	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.408	5.10	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.09	5.10	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.311	5.10	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.646	5.10	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.203	5.10	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.291	5.10	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.465	5.10	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.376	5.10	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.407	5.10	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.124	1.02	PQL	ng/Kg	
SL-175-SA5DN-SS-0.0-0.5	2,3,7,8-TCDF	J	0.181	1.02	PQL	ng/Kg	J (all detects)
	OCDF	JB	8.25	10.2	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	1.80	5.21	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	1.53	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	1.65	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	4.34	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.464	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.06	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.307	5.21	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	2.76	5.21	PQL	ng/Kg	
SL-176-SA5DN-SS-0.0-0.5	2,3,4,7,8-PECDF	JB	0.528	5.21	PQL	ng/Kg	J (all detects)
	2,3,7,8-TCDD	JBQ	0.0863	1.04	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.146	1.04	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	2.13	5.14	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.343	5.14	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.261	5.14	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	1.51	5.14	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.24	5.14	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.984	5.14	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.933	5.14	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.366	5.14	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.327	5.14	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.483	5.14	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.473	5.14	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.566	5.14	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0980	1.03	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.364	1.03	PQL	ng/Kg	
	OCDF	JB	4.22	10.3	PQL	ng/Kg	

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 12:08:18 PM

ADR version 1.4.0.111

Page 5 of 7

Reporting Limit Outliers

Lab Reporting Batch ID: DX093

Laboratory: LL

EDD Filename: DX093_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-179-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.37	5.23	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.146	5.23	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.208	5.23	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.207	5.23	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.526	5.23	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.220	5.23	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.378	5.23	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.189	5.23	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.277	5.23	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.260	5.23	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.231	5.23	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.389	5.23	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0659	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.323	1.05	PQL	ng/Kg	
	OCDF	JB	3.18	10.5	PQL	ng/Kg	
SL-180-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.06	5.12	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.126	5.12	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.161	5.12	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.316	5.12	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.371	5.12	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.179	5.12	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.276	5.12	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.195	5.12	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.284	5.12	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.243	5.12	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.168	5.12	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.305	5.12	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0482	1.02	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.115	1.02	PQL	ng/Kg	
	OCDF	JB	3.19	10.2	PQL	ng/Kg	
SL-181-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.399	5.18	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	0.576	5.18	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.20	5.18	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.22	5.18	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.490	5.18	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.26	5.18	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.469	5.18	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.382	5.18	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.301	5.18	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.521	5.18	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.759	5.18	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0453	1.04	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.526	1.04	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX093

Laboratory: LL

EDD Filename: DX093_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-182-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.95	5.23	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.178	5.23	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.152	5.23	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.472	5.23	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.566	5.23	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.132	5.23	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.407	5.23	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.135	5.23	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.125	5.23	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0698	5.23	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.174	5.23	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.259	5.23	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0212	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.167	1.05	PQL	ng/Kg	
	OCDF	JB	5.36	10.5	PQL	ng/Kg	
SL-183-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.53	5.10	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.195	5.10	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.402	5.10	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.199	5.10	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.19	5.10	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.254	5.10	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.835	5.10	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.138	5.10	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.357	5.10	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0596	5.10	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.270	5.10	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.282	5.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.104	1.02	PQL	ng/Kg	
	OCDF	JB	5.25	10.2	PQL	ng/Kg	
SL-184-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	0.898	5.17	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.104	5.17	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0870	5.17	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.374	5.17	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.318	5.17	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0939	5.17	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.264	5.17	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.107	5.17	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.106	5.17	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0636	5.17	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.118	5.17	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.242	5.17	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0441	1.03	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.161	1.03	PQL	ng/Kg	
	OCDF	JB	2.26	10.3	PQL	ng/Kg	

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

All available information pertaining to the data were reviewed using professional judgement to compliment the determination of the overall quality of the data.

Was the overall quality and usability of the data acceptable?	Y/N	N/A
---	-----	-----

[illegible]

Comments:

SAMPLE DELIVERY GROUP

DX094

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
27-May-2011	DUP09-SA5DN-QC-052711	6301508	FD	METHOD	1613B	III
27-May-2011	SL-091-SA5DN-SS-0.0-0.5	6301498	N	METHOD	1613B	III
27-May-2011	SL-092-SA5DN-SS-0.0-0.5	6301499	N	METHOD	1613B	III
27-May-2011	SL-093-SA5DN-SS-0.0-0.5	6301500	N	METHOD	1613B	III
27-May-2011	SL-117-SA5DN-SS-0.0-0.5	6301501	N	METHOD	1613B	III
27-May-2011	SL-117-SA5DN-SS-0.0-0.5MS	6301502	MS	METHOD	1613B	III
27-May-2011	SL-117-SA5DN-SS-0.0-0.5MSD	6301503	MSD	METHOD	1613B	III
27-May-2011	SL-118-SA5DN-SS-0.0-0.5	6301504	N	METHOD	1613B	III
27-May-2011	SL-119-SA5DN-SS-0.0-0.5	6301505	N	METHOD	1613B	III
27-May-2011	SL-071-SA5DN-SS-0.0-0.5	6301497	N	METHOD	1613B	III
27-May-2011	SL-122-SA5DN-SS-0.0-0.5	6301507	N	METHOD	1613B	III
27-May-2011	SL-003-SA8N-SB-4.0-5.0	6301509	N	METHOD	1613B	III
27-May-2011	SL-003-SA8N-SB-9.0-10.0	6301510	N	METHOD	1613B	III
27-May-2011	SL-120-SA5DN-SS-0.0-0.5	6301506	N	METHOD	1613B	III
31-May-2011	SL-013-SA5DN-SB-9.0-10.0	6302810	N	METHOD	1613B	III
31-May-2011	SL-008-SA5DN-SB-4.0-5.0	6302804	N	METHOD	1613B	III
31-May-2011	SL-008-SA5DN-SB-9.0-10.0	6302805	N	METHOD	1613B	III
31-May-2011	SL-010-SA5DN-SB-4.0-5.0	6302806	N	METHOD	1613B	III
31-May-2011	SL-010-SA5DN-SB-9.0-10.0	6302807	N	METHOD	1613B	III
31-May-2011	DUP-10-SA5DN-QC-053111	6302808	FD	METHOD	1613B	III
31-May-2011	SL-013-SA5DN-SB-4.0-5.0	6302809	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP09-SA5DN-QC-052711

Collected: 5/27/2011 10:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	95.1	B	0.119	MDL	5.50	PQL	ng/Kg	J	FD
1,2,3,4,6,7,8-HPCDF	7.10	B	0.0331	MDL	5.50	PQL	ng/Kg	J	FD
1,2,3,4,7,8,9-HPCDF	0.544	JB	0.0397	MDL	5.50	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HxCDD	0.817	J	0.0501	MDL	5.50	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HxCDF	0.633	JB	0.0383	MDL	5.50	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HxCDD	3.25	JB	0.0519	MDL	5.50	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HxCDF	0.454	JB	0.0367	MDL	5.50	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HxCDD	2.34	JB	0.0492	MDL	5.50	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HxCDF	1.25	JB	0.0398	MDL	5.50	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDD	0.526	JB	0.0444	MDL	5.50	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDF	0.560	JB	0.0328	MDL	5.50	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.727	JB	0.0365	MDL	5.50	PQL	ng/Kg	J	Z, FD
2,3,4,7,8-PECDF	1.07	JB	0.0295	MDL	5.50	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDD	0.0789	JB	0.0149	MDL	1.10	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDF	0.255	JB	0.0562	MDL	1.10	PQL	ng/Kg	J	Z
OCDD	1510	B	0.0859	MDL	11.0	PQL	ng/Kg	J	FD
OCDF	25.7	B	0.0310	MDL	11.0	PQL	ng/Kg	J	FD

Sample ID: DUP-10-SA5DN-QC-053111

Collected: 5/31/2011 11:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.594	JBQ	0.0264	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.198	JB	0.0121	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8,9-HPCDF	0.0355	JBQ	0.0218	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.0136	U	0.0136	MDL	5.51	PQL	ng/Kg	UJ	FD
1,2,3,4,7,8-HxCDF	0.0545	JB	0.00962	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HxCDD	0.0227	JBQ	0.0143	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HxCDF	0.0269	JBQ	0.00848	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDD	0.0490	JBQ	0.0136	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDF	0.0233	JBQ	0.0103	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.0199	JB	0.0154	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.0304	JBQ	0.00792	MDL	5.51	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HxCDF	0.0658	JBQ	0.00882	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0641	JB	0.00826	MDL	5.51	PQL	ng/Kg	UJ	B, FD

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 1:50:47 PM

ADR version 1.4.0.111

Page 1 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP-10-SA5DN-QC-053111

Collected: 5/31/2011 11:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDD	0.0230	JBQ	0.0160	MDL	1.10	PQL	ng/Kg	U	B
OCDD	2.38	JB	0.0264	MDL	11.0	PQL	ng/Kg	UJ	B, FD
OCDF	0.214	JBQ	0.0284	MDL	11.0	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-003-SA8N-SB-4.0-5.0

Collected: 5/27/2011 9:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.535	JB	0.0296	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0675	JBQ	0.0145	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0243	JB	0.0191	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0134	JBQ	0.00912	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0208	JBQ	0.0166	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0137	JBQ	0.00818	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0386	JBQ	0.0152	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0312	JBQ	0.00889	MDL	5.82	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0106	JBQ	0.00818	MDL	5.82	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0418	JBQ	0.00770	MDL	5.82	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0226	JBQ	0.0179	MDL	1.16	PQL	ng/Kg	U	B
OCDD	3.17	JB	0.0255	MDL	11.6	PQL	ng/Kg	U	B
OCDF	0.174	JBQ	0.0329	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-003-SA8N-SB-9.0-10.0

Collected: 5/27/2011 9:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.582	JBQ	0.0489	MDL	6.14	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.129	JBQ	0.0195	MDL	6.14	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0876	JBQ	0.0263	MDL	6.14	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0515	JQ	0.0333	MDL	6.14	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0595	JB	0.0155	MDL	6.14	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0656	JBQ	0.0340	MDL	6.14	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0321	JB	0.0138	MDL	6.14	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0711	JBQ	0.0320	MDL	6.14	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0693	JBQ	0.0150	MDL	6.14	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0314	JBQ	0.0192	MDL	6.14	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0296	JB	0.0115	MDL	6.14	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 1:50:47 PM

ADR version 1.4.0.111

Page 2 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-003-SA8N-SB-9.0-10.0

Collected: 5/27/2011 9:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,6,7,8-HXCDF	0.0411	JBQ	0.0138	MDL	6.14	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0732	JB	0.0103	MDL	6.14	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0435	JBQ	0.0183	MDL	1.23	PQL	ng/Kg	U	B
OCDD	1.59	JB	0.0396	MDL	12.3	PQL	ng/Kg	U	B
OCDF	0.273	JB	0.0399	MDL	12.3	PQL	ng/Kg	U	B

Sample ID: SL-008-SA5DN-SB-4.0-5.0

Collected: 5/31/2011 3:44:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.428	JBQ	0.0329	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0757	JBQ	0.0125	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0382	JBQ	0.0152	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0243	J	0.0180	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0296	JBQ	0.0129	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0220	JB	0.0194	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0225	JB	0.0116	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0536	JBQ	0.0181	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0474	JBQ	0.0115	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0213	JBQ	0.00997	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0277	JB	0.0108	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0463	JB	0.00892	MDL	5.77	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0273	JBQ	0.0187	MDL	1.15	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0191	JBQ	0.0151	MDL	1.15	PQL	ng/Kg	U	B
OCDD	1.19	JB	0.0342	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.163	JB	0.0294	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-008-SA5DN-SB-9.0-10.0

Collected: 5/31/2011 3:49:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.425	JB	0.0238	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0823	JB	0.00957	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0332	JBQ	0.0128	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0411	J	0.0151	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0748	JB	0.00990	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0645	JBQ	0.0156	MDL	5.52	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 1:50:47 PM

ADR version 1.4.0.111

Page 3 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-008-SA5DN-SB-9.0-10.0

Collected: 5/31/2011 3:49:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDF	0.0645	JB	0.00957	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0762	JBQ	0.0148	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0544	JB	0.0109	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0779	JBQ	0.0145	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.112	JB	0.00768	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0584	JB	0.00979	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.121	JB	0.00712	MDL	5.52	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0141	JB	0.0133	MDL	1.10	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0153	JBQ	0.0127	MDL	1.10	PQL	ng/Kg	U	B
OCDD	1.29	JB	0.0263	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.127	JB	0.0216	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-010-SA5DN-SB-4.0-5.0

Collected: 5/31/2011 2:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.481	JB	0.0237	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.260	JB	0.0101	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0480	JB	0.0139	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0762	JQ	0.0157	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.164	JB	0.0156	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0882	JB	0.0162	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.134	JBQ	0.0143	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0865	JBQ	0.0149	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.110	JB	0.0164	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.133	JB	0.0162	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.215	JB	0.00826	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.153	JBQ	0.0147	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.208	JB	0.00803	MDL	5.56	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0448	JBQ	0.0138	MDL	1.11	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0252	JBQ	0.0108	MDL	1.11	PQL	ng/Kg	U	B
OCDD	1.31	JB	0.0266	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.228	JB	0.0216	MDL	11.1	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 1:50:47 PM

ADR version 1.4.0.111

Page 4 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-010-SA5DN-SB-9.0-10.0

Collected: 5/31/2011 2:31:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.445	JB	0.0219	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.207	JB	0.00882	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0541	JBQ	0.0123	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0458	JQ	0.0131	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.0610	JB	0.0116	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0725	JBQ	0.0139	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0668	JB	0.0109	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0733	JBQ	0.0128	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0670	JB	0.0121	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0527	JBQ	0.0135	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0594	JB	0.00813	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0817	JB	0.0110	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.102	JB	0.00756	MDL	5.62	PQL	ng/Kg	U	B
OCDD	1.13	JB	0.0242	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.201	JBQ	0.0220	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-013-SA5DN-SB-4.0-5.0

Collected: 5/31/2011 10:11:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.422	JB	0.0195	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.217	JB	0.00844	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0278	JB	0.0138	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0299	JBQ	0.0131	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.131	JBQ	0.0158	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0427	JB	0.0113	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.237	JB	0.0153	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.268	JB	0.0127	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0197	JBQ	0.0145	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0362	JBQ	0.00763	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0577	JBQ	0.0121	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0825	JBQ	0.00751	MDL	5.66	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0203	JBQ	0.0132	MDL	1.13	PQL	ng/Kg	U	B
OCDD	1.32	JB	0.0276	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.207	JB	0.0239	MDL	11.3	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 1:50:47 PM

ADR version 1.4.0.111

Page 5 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-013-SA5DN-SB-9.0-10.0

Collected: 5/31/2011 10:19:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.445	JB	0.0218	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.208	JBQ	0.00788	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0233	JBQ	0.0130	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0438	JBQ	0.0107	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0277	JBQ	0.0116	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0250	JBQ	0.00982	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0238	JBQ	0.0112	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0135	JB	0.00788	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0716	JBQ	0.00970	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0384	JBQ	0.00742	MDL	5.53	PQL	ng/Kg	U	B
OCDD	0.990	JBQ	0.0299	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.184	JB	0.0209	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-071-SA5DN-SS-0.0-0.5

Collected: 5/27/2011 8:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.502	JB	0.0842	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	1.06	J	0.130	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.720	JB	0.0731	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.24	JB	0.137	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.550	JB	0.0720	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.74	JB	0.129	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.478	JB	0.0827	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.561	JB	0.0522	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	2.11	JB	0.0622	MDL	5.40	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.517	JB	0.0691	MDL	5.40	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.743	JB	0.0576	MDL	5.40	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0837	JB	0.0233	MDL	1.08	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.397	JB	0.134	MDL	1.08	PQL	ng/Kg	J	Z

Sample ID: SL-091-SA5DN-SS-0.0-0.5

Collected: 5/27/2011 9:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.655	JB	0.0772	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.985	J	0.0975	MDL	5.38	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 1:50:47 PM

ADR version 1.4.0.111

Page 6 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-091-SA5DN-SS-0.0-0.5

Collected: 5/27/2011 9:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.773	JB	0.0728	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	3.37	JB	0.102	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.447	JBQ	0.0686	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	2.52	JB	0.0985	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.00	JBQ	0.0899	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.951	JBQ	0.0534	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.747	JB	0.0459	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.657	JB	0.0696	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.714	JB	0.0463	MDL	5.38	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0818	JB	0.0225	MDL	1.08	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.302	JB	0.101	MDL	1.08	PQL	ng/Kg	J	Z

Sample ID: SL-092-SA5DN-SS-0.0-0.5

Collected: 5/27/2011 9:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.39	JB	0.0383	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.334	JB	0.0503	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.503	J	0.0698	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.746	JB	0.0540	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.95	JB	0.0725	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.358	JB	0.0526	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.64	JB	0.0706	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.958	JB	0.0589	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.315	JB	0.0438	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.679	JB	0.0483	MDL	5.36	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.492	JB	0.0523	MDL	5.36	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.790	JB	0.0465	MDL	5.36	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0317	JBQ	0.0223	MDL	1.07	PQL	ng/Kg	U	B

Sample ID: SL-093-SA5DN-SS-0.0-0.5

Collected: 5/27/2011 10:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.53	JB	0.0412	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.360	JB	0.0539	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.583	JQ	0.102	MDL	5.43	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 1:50:47 PM

ADR version 1.4.0.111

Page 7 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-093-SA5DN-SS-0.0-0.5

Collected: 5/27/2011 10:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.582	JB	0.0639	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.23	JB	0.111	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.340	JBQ	0.0616	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.78	JB	0.105	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.13	JB	0.0713	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.400	JB	0.0511	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.606	JB	0.0511	MDL	5.43	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.537	JB	0.0609	MDL	5.43	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.936	JB	0.0477	MDL	5.43	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0487	JB	0.0245	MDL	1.09	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.310	JB	0.0854	MDL	1.09	PQL	ng/Kg	J	Z

Sample ID: SL-117-SA5DN-SS-0.0-0.5

Collected: 5/27/2011 10:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	15.6	B	0.0886	MDL	5.50	PQL	ng/Kg	J	Q, FD
1,2,3,4,6,7,8-HPCDF	2.47	JB	0.101	MDL	5.50	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8,9-HPCDF	0.165	JB	0.146	MDL	5.50	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.180	J	0.0755	MDL	5.50	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HXCDF	0.137	JBQ	0.0593	MDL	5.50	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HXCDD	0.855	JB	0.0802	MDL	5.50	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HXCDF	0.215	JB	0.0572	MDL	5.50	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDD	0.693	JB	0.0779	MDL	5.50	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HXCDF	0.642	JB	0.0696	MDL	5.50	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDD	0.127	JBQ	0.0413	MDL	5.50	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.757	JB	0.0441	MDL	5.50	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.206	JB	0.0572	MDL	5.50	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.300	JBQ	0.0425	MDL	5.50	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0217	U	0.0217	MDL	1.10	PQL	ng/Kg	UJ	FD
2,3,7,8-TCDF	0.219	JB	0.0981	MDL	1.10	PQL	ng/Kg	J	Z
OCDD	180	B	0.101	MDL	11.0	PQL	ng/Kg	J	Q, Q, FD
OCDF	7.02	JB	0.0602	MDL	11.0	PQL	ng/Kg	J	Z, FD

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 1:50:47 PM

ADR version 1.4.0.111

Page 8 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-118-SA5DN-SS-0.0-0.5

Collected: 5/27/2011 11:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	3.07	JB	0.0305	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.348	JBQ	0.0432	MDL	5.26	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.327	J	0.0727	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.485	JB	0.0559	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.83	JB	0.0766	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.373	JB	0.0540	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.43	JB	0.0758	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.38	JB	0.0613	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.407	JB	0.0431	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.454	JB	0.0206	MDL	5.26	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.363	JB	0.0546	MDL	5.26	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.417	JB	0.0200	MDL	5.26	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0941	JB	0.0195	MDL	1.05	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.150	JBQ	0.0352	MDL	1.05	PQL	ng/Kg	U	B

Sample ID: SL-119-SA5DN-SS-0.0-0.5

Collected: 5/27/2011 11:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.98	JB	0.103	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	3.41	J	0.132	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.88	JB	0.0711	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.70	JB	0.0698	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.55	JB	0.0711	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.97	JB	0.0814	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.31	JB	0.0563	MDL	5.49	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	2.12	JB	0.0684	MDL	5.49	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.45	JB	0.0530	MDL	5.49	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.226	JB	0.0203	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.722	JB	0.117	MDL	1.10	PQL	ng/Kg	J	Z
OCDD	17900	EB	0.371	MDL	11.0	PQL	ng/Kg	J	*XI

Sample ID: SL-120-SA5DN-SS-0.0-0.5

Collected: 5/27/2011 11:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.28	JB	0.0755	MDL	5.27	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 1:50:47 PM

ADR version 1.4.0.111

Page 9 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-120-SA5DN-SS-0.0-0.5

Collected: 5/27/2011 11:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HxCDD	2.29	J	0.0932	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	1.46	JB	0.0687	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.941	JB	0.0645	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	1.40	JB	0.0648	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.20	JB	0.0756	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.07	JB	0.0545	MDL	5.27	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	1.12	JB	0.0610	MDL	5.27	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.27	JB	0.0516	MDL	5.27	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.161	JB	0.0237	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.532	JB	0.116	MDL	1.05	PQL	ng/Kg	J	Z
OCDD	5320	EB	0.195	MDL	10.5	PQL	ng/Kg	J	*XI

Sample ID: SL-122-SA5DN-SS-0.0-0.5

Collected: 5/27/2011 9:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	5.69	JB	0.0439	MDL	5.78	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.401	JBQ	0.0472	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	1.15	J	0.0844	MDL	5.78	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.494	JB	0.0569	MDL	5.78	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	3.24	JB	0.0885	MDL	5.78	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.345	JBQ	0.0547	MDL	5.78	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.05	JB	0.0840	MDL	5.78	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	1.27	JB	0.0527	MDL	5.78	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.98	JB	0.0604	MDL	5.78	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.416	JB	0.0404	MDL	5.78	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.484	JB	0.0495	MDL	5.78	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.270	JB	0.0368	MDL	5.78	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.155	JBQ	0.0225	MDL	1.16	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.389	JB	0.0987	MDL	1.16	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 1:50:47 PM

ADR version 1.4.0.111

Page 10 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*XI	Compound Quantitation and Reported CRQLs
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Laboratory Triplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 1:50:48 PM

ADR version 1.4.0.111

Page 11 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Laboratory Triplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 1:50:48 PM

ADR version 1.4.0.111

Page 12 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Q	Matrix Spike Upper Rejection
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 1:50:48 PM

ADR version 1.4.0.111

Page 13 of 13

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX094

Method Blank Outlier Report

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1610B371343	6/14/2011 1:43:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HXCDF 1,2,3,6,7,8-HXCDD 1,2,3,6,7,8-HXCDF 1,2,3,7,8,9-HXCDD 1,2,3,7,8,9-HXCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HXCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD 2,3,7,8-TCDF OCDD OCDF	0.392 ng/Kg 0.236 ng/Kg 0.107 ng/Kg 0.0820 ng/Kg 0.0749 ng/Kg 0.0553 ng/Kg 0.0576 ng/Kg 0.0995 ng/Kg 0.0393 ng/Kg 0.0495 ng/Kg 0.0978 ng/Kg 0.0792 ng/Kg 0.0293 ng/Kg 0.0325 ng/Kg 0.908 ng/Kg 0.347 ng/Kg	DUP09-SA5DN-QC-052711 DUP-10-SA5DN-QC-053111 SL-003-SA8N-SB-4.0-5.0 SL-003-SA8N-SB-9.0-10.0 SL-008-SA5DN-SB-4.0-5.0 SL-008-SA5DN-SB-9.0-10.0 SL-010-SA5DN-SB-4.0-5.0 SL-010-SA5DN-SB-9.0-10.0 SL-013-SA5DN-SB-4.0-5.0 SL-013-SA5DN-SB-9.0-10.0 SL-071-SA5DN-SS-0.0-0.5 SL-091-SA5DN-SS-0.0-0.5 SL-092-SA5DN-SS-0.0-0.5 SL-093-SA5DN-SS-0.0-0.5 SL-117-SA5DN-SS-0.0-0.5 SL-118-SA5DN-SS-0.0-0.5 SL-119-SA5DN-SS-0.0-0.5 SL-120-SA5DN-SS-0.0-0.5 SL-122-SA5DN-SS-0.0-0.5

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP09-SA5DN-QC-052711(RES)	2,3,7,8-TCDD	0.0789 ng/Kg	0.0789U ng/Kg
DUP-10-SA5DN-QC-053111(RES)	1,2,3,4,6,7,8-HPCDD	0.594 ng/Kg	0.594U ng/Kg
DUP-10-SA5DN-QC-053111(RES)	1,2,3,4,6,7,8-HPCDF	0.198 ng/Kg	0.198U ng/Kg
DUP-10-SA5DN-QC-053111(RES)	1,2,3,4,7,8,9-HPCDF	0.0355 ng/Kg	0.0355U ng/Kg
DUP-10-SA5DN-QC-053111(RES)	1,2,3,4,7,8-HXCDF	0.0545 ng/Kg	0.0545U ng/Kg
DUP-10-SA5DN-QC-053111(RES)	1,2,3,6,7,8-HXCDD	0.0227 ng/Kg	0.0227U ng/Kg
DUP-10-SA5DN-QC-053111(RES)	1,2,3,6,7,8-HXCDF	0.0269 ng/Kg	0.0269U ng/Kg
DUP-10-SA5DN-QC-053111(RES)	1,2,3,7,8,9-HXCDD	0.0490 ng/Kg	0.0490U ng/Kg
DUP-10-SA5DN-QC-053111(RES)	1,2,3,7,8,9-HXCDF	0.0233 ng/Kg	0.0233U ng/Kg
DUP-10-SA5DN-QC-053111(RES)	1,2,3,7,8-PECDD	0.0199 ng/Kg	0.0199U ng/Kg
DUP-10-SA5DN-QC-053111(RES)	1,2,3,7,8-PECDF	0.0304 ng/Kg	0.0304U ng/Kg
DUP-10-SA5DN-QC-053111(RES)	2,3,4,6,7,8-HXCDF	0.0658 ng/Kg	0.0658U ng/Kg
DUP-10-SA5DN-QC-053111(RES)	2,3,4,7,8-PECDF	0.0641 ng/Kg	0.0641U ng/Kg
DUP-10-SA5DN-QC-053111(RES)	2,3,7,8-TCDD	0.0230 ng/Kg	0.0230U ng/Kg
DUP-10-SA5DN-QC-053111(RES)	OCDD	2.38 ng/Kg	2.38U ng/Kg
DUP-10-SA5DN-QC-053111(RES)	OCDF	0.214 ng/Kg	0.214U ng/Kg
SL-003-SA8N-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.535 ng/Kg	0.535U ng/Kg
SL-003-SA8N-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0675 ng/Kg	0.0675U ng/Kg
SL-003-SA8N-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0243 ng/Kg	0.0243U ng/Kg
SL-003-SA8N-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0134 ng/Kg	0.0134U ng/Kg
SL-003-SA8N-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0208 ng/Kg	0.0208U ng/Kg
SL-003-SA8N-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0137 ng/Kg	0.0137U ng/Kg
SL-003-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0386 ng/Kg	0.0386U ng/Kg
SL-003-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0312 ng/Kg	0.0312U ng/Kg
SL-003-SA8N-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0106 ng/Kg	0.0106U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 1:50:17 PM

ADR version 1.4.0.111

Page 1 of 5

Method Blank Outlier Report

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-003-SA8N-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0418 ng/Kg	0.0418U ng/Kg
SL-003-SA8N-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0226 ng/Kg	0.0226U ng/Kg
SL-003-SA8N-SB-4.0-5.0(RES)	OCDD	3.17 ng/Kg	3.17U ng/Kg
SL-003-SA8N-SB-4.0-5.0(RES)	OCDF	0.174 ng/Kg	0.174U ng/Kg
SL-003-SA8N-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.582 ng/Kg	0.582U ng/Kg
SL-003-SA8N-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.129 ng/Kg	0.129U ng/Kg
SL-003-SA8N-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0876 ng/Kg	0.0876U ng/Kg
SL-003-SA8N-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0595 ng/Kg	0.0595U ng/Kg
SL-003-SA8N-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0656 ng/Kg	0.0656U ng/Kg
SL-003-SA8N-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0321 ng/Kg	0.0321U ng/Kg
SL-003-SA8N-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0711 ng/Kg	0.0711U ng/Kg
SL-003-SA8N-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0693 ng/Kg	0.0693U ng/Kg
SL-003-SA8N-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0314 ng/Kg	0.0314U ng/Kg
SL-003-SA8N-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0296 ng/Kg	0.0296U ng/Kg
SL-003-SA8N-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0411 ng/Kg	0.0411U ng/Kg
SL-003-SA8N-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0732 ng/Kg	0.0732U ng/Kg
SL-003-SA8N-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0435 ng/Kg	0.0435U ng/Kg
SL-003-SA8N-SB-9.0-10.0(RES)	OCDD	1.59 ng/Kg	1.59U ng/Kg
SL-003-SA8N-SB-9.0-10.0(RES)	OCDF	0.273 ng/Kg	0.273U ng/Kg
SL-008-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.428 ng/Kg	0.428U ng/Kg
SL-008-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0757 ng/Kg	0.0757U ng/Kg
SL-008-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0382 ng/Kg	0.0382U ng/Kg
SL-008-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0296 ng/Kg	0.0296U ng/Kg
SL-008-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0220 ng/Kg	0.0220U ng/Kg
SL-008-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0225 ng/Kg	0.0225U ng/Kg
SL-008-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0536 ng/Kg	0.0536U ng/Kg
SL-008-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0474 ng/Kg	0.0474U ng/Kg
SL-008-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0213 ng/Kg	0.0213U ng/Kg
SL-008-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0277 ng/Kg	0.0277U ng/Kg
SL-008-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0463 ng/Kg	0.0463U ng/Kg
SL-008-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0273 ng/Kg	0.0273U ng/Kg
SL-008-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0191 ng/Kg	0.0191U ng/Kg
SL-008-SA5DN-SB-4.0-5.0(RES)	OCDD	1.19 ng/Kg	1.19U ng/Kg
SL-008-SA5DN-SB-4.0-5.0(RES)	OCDF	0.163 ng/Kg	0.163U ng/Kg
SL-008-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.425 ng/Kg	0.425U ng/Kg
SL-008-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0823 ng/Kg	0.0823U ng/Kg
SL-008-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0332 ng/Kg	0.0332U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 1:50:17 PM

ADR version 1.4.0.111

Page 2 of 5

Method Blank Outlier Report

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-008-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0748 ng/Kg	0.0748U ng/Kg
SL-008-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0645 ng/Kg	0.0645U ng/Kg
SL-008-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0645 ng/Kg	0.0645U ng/Kg
SL-008-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0762 ng/Kg	0.0762U ng/Kg
SL-008-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0544 ng/Kg	0.0544U ng/Kg
SL-008-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0779 ng/Kg	0.0779U ng/Kg
SL-008-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.112 ng/Kg	0.112U ng/Kg
SL-008-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0584 ng/Kg	0.0584U ng/Kg
SL-008-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.121 ng/Kg	0.121U ng/Kg
SL-008-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0141 ng/Kg	0.0141U ng/Kg
SL-008-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0153 ng/Kg	0.0153U ng/Kg
SL-008-SA5DN-SB-9.0-10.0(RES)	OCDD	1.29 ng/Kg	1.29U ng/Kg
SL-008-SA5DN-SB-9.0-10.0(RES)	OCDF	0.127 ng/Kg	0.127U ng/Kg
SL-010-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.481 ng/Kg	0.481U ng/Kg
SL-010-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.260 ng/Kg	0.260U ng/Kg
SL-010-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0480 ng/Kg	0.0480U ng/Kg
SL-010-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.164 ng/Kg	0.164U ng/Kg
SL-010-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0882 ng/Kg	0.0882U ng/Kg
SL-010-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.134 ng/Kg	0.134U ng/Kg
SL-010-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0865 ng/Kg	0.0865U ng/Kg
SL-010-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.110 ng/Kg	0.110U ng/Kg
SL-010-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.133 ng/Kg	0.133U ng/Kg
SL-010-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.215 ng/Kg	0.215U ng/Kg
SL-010-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.153 ng/Kg	0.153U ng/Kg
SL-010-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.208 ng/Kg	0.208U ng/Kg
SL-010-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0448 ng/Kg	0.0448U ng/Kg
SL-010-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0252 ng/Kg	0.0252U ng/Kg
SL-010-SA5DN-SB-4.0-5.0(RES)	OCDD	1.31 ng/Kg	1.31U ng/Kg
SL-010-SA5DN-SB-4.0-5.0(RES)	OCDF	0.228 ng/Kg	0.228U ng/Kg
SL-010-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.445 ng/Kg	0.445U ng/Kg
SL-010-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.207 ng/Kg	0.207U ng/Kg
SL-010-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0541 ng/Kg	0.0541U ng/Kg
SL-010-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0610 ng/Kg	0.0610U ng/Kg
SL-010-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0725 ng/Kg	0.0725U ng/Kg
SL-010-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0668 ng/Kg	0.0668U ng/Kg
SL-010-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0733 ng/Kg	0.0733U ng/Kg
SL-010-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0670 ng/Kg	0.0670U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 1:50:17 PM

ADR version 1.4.0.111

Page 3 of 5

Method Blank Outlier Report

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-010-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0527 ng/Kg	0.0527U ng/Kg
SL-010-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0594 ng/Kg	0.0594U ng/Kg
SL-010-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0817 ng/Kg	0.0817U ng/Kg
SL-010-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.102 ng/Kg	0.102U ng/Kg
SL-010-SA5DN-SB-9.0-10.0(RES)	OCDD	1.13 ng/Kg	1.13U ng/Kg
SL-010-SA5DN-SB-9.0-10.0(RES)	OCDF	0.201 ng/Kg	0.201U ng/Kg
SL-013-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.422 ng/Kg	0.422U ng/Kg
SL-013-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.217 ng/Kg	0.217U ng/Kg
SL-013-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0278 ng/Kg	0.0278U ng/Kg
SL-013-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0299 ng/Kg	0.0299U ng/Kg
SL-013-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.131 ng/Kg	0.131U ng/Kg
SL-013-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0427 ng/Kg	0.0427U ng/Kg
SL-013-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.237 ng/Kg	0.237U ng/Kg
SL-013-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.268 ng/Kg	0.268U ng/Kg
SL-013-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0197 ng/Kg	0.0197U ng/Kg
SL-013-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0362 ng/Kg	0.0362U ng/Kg
SL-013-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0577 ng/Kg	0.0577U ng/Kg
SL-013-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0825 ng/Kg	0.0825U ng/Kg
SL-013-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0203 ng/Kg	0.0203U ng/Kg
SL-013-SA5DN-SB-4.0-5.0(RES)	OCDD	1.32 ng/Kg	1.32U ng/Kg
SL-013-SA5DN-SB-4.0-5.0(RES)	OCDF	0.207 ng/Kg	0.207U ng/Kg
SL-013-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.445 ng/Kg	0.445U ng/Kg
SL-013-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.208 ng/Kg	0.208U ng/Kg
SL-013-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0233 ng/Kg	0.0233U ng/Kg
SL-013-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0438 ng/Kg	0.0438U ng/Kg
SL-013-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0277 ng/Kg	0.0277U ng/Kg
SL-013-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0250 ng/Kg	0.0250U ng/Kg
SL-013-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0238 ng/Kg	0.0238U ng/Kg
SL-013-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0135 ng/Kg	0.0135U ng/Kg
SL-013-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0716 ng/Kg	0.0716U ng/Kg
SL-013-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0384 ng/Kg	0.0384U ng/Kg
SL-013-SA5DN-SB-9.0-10.0(RES)	OCDD	0.990 ng/Kg	0.990U ng/Kg
SL-013-SA5DN-SB-9.0-10.0(RES)	OCDF	0.184 ng/Kg	0.184U ng/Kg
SL-071-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.502 ng/Kg	0.502U ng/Kg
SL-071-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.478 ng/Kg	0.478U ng/Kg
SL-071-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0837 ng/Kg	0.0837U ng/Kg
SL-091-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0818 ng/Kg	0.0818U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 1:50:17 PM

ADR version 1.4.0.111

Page 4 of 5

Method Blank Outlier Report

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-092-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.334 ng/Kg	0.334U ng/Kg
SL-092-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0317 ng/Kg	0.0317U ng/Kg
SL-093-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.360 ng/Kg	0.360U ng/Kg
SL-093-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0487 ng/Kg	0.0487U ng/Kg
SL-117-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.165 ng/Kg	0.165U ng/Kg
SL-117-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.137 ng/Kg	0.137U ng/Kg
SL-117-SA5DN-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.215 ng/Kg	0.215U ng/Kg
SL-117-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.127 ng/Kg	0.127U ng/Kg
SL-117-SA5DN-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.206 ng/Kg	0.206U ng/Kg
SL-117-SA5DN-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.300 ng/Kg	0.300U ng/Kg
SL-118-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.348 ng/Kg	0.348U ng/Kg
SL-118-SA5DN-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.363 ng/Kg	0.363U ng/Kg
SL-118-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0941 ng/Kg	0.0941U ng/Kg
SL-118-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.150 ng/Kg	0.150U ng/Kg
SL-122-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.401 ng/Kg	0.401U ng/Kg
SL-122-SA5DN-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.484 ng/Kg	0.484U ng/Kg
SL-122-SA5DN-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.270 ng/Kg	0.270U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 1:50:17 PM

ADR version 1.4.0.111

Page 5 of 5

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-117-SA5DN-SS-0.0-0.5MS SL-117-SA5DN-SS-0.0-0.5MSD (SL-117-SA5DN-SS-0.0-0.5)	1,2,3,4,6,7,8-HPCDD OCDD	172 781	197 986	40.00-135.00 40.00-135.00	- 23 (20.00)	1,2,3,4,6,7,8-HPCDD OCDD	J (all detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M
Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-117-SA5DN-SS-0.0-0.5	DUP09-SA5DN-QC-052711			
MOISTURE	9.5	9.5	0		No Qualifiers Applied

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-014-SA5DN-SB-4.0-5.0	DUP-10-SA5DN-QC-053111			
MOISTURE	12.300000000	11.6	6		No Qualifiers Applied

Method: 1613B
Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-117-SA5DN-SS-0.0-0.5	DUP09-SA5DN-QC-052711			
1,2,3,7,8-PECDF	0.757	0.560	30	50.00	No Qualifiers Applied
2,3,7,8-TCDF	0.219	0.255	15	50.00	
1,2,3,4,6,7,8-HPCDD	15.6	95.1	144	50.00	J(all detects) UJ(all non-detects)
1,2,3,4,6,7,8-HPCDF	2.47	7.10	97	50.00	
1,2,3,4,7,8,9-HPCDF	0.165	0.544	107	50.00	
1,2,3,4,7,8-HxCDD	0.180	0.817	128	50.00	
1,2,3,4,7,8-HXCDF	0.137	0.633	129	50.00	
1,2,3,6,7,8-HXCDD	0.855	3.25	117	50.00	
1,2,3,6,7,8-HXCDF	0.215	0.454	71	50.00	
1,2,3,7,8,9-HXCDD	0.693	2.34	109	50.00	
1,2,3,7,8,9-HXCDF	0.642	1.25	64	50.00	
1,2,3,7,8-PECDD	0.127	0.526	122	50.00	
2,3,4,6,7,8-HXCDF	0.206	0.727	112	50.00	
2,3,4,7,8-PECDF	0.300	1.07	112	50.00	
2,3,7,8-TCDD	1.10 U	0.0789	200	50.00	
OCDD	180	1510	157	50.00	
OCDF	7.02	25.7	114	50.00	

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-014-SA5DN-SB-4.0-5.0	DUP-10-SA5DN-QC-053111			
1,2,3,4,6,7,8-HPCDD	0.723	0.594	20	50.00	J (all detects) UJ (all non-detects) 1,2,3,4,6,7,8-HPCDD, 2,3,4,6,7,8-HXCDF, 2,3,7,8-TCDD No Qual Within Limits
1,2,3,4,6,7,8-HPCDF	0.118	0.198	51	50.00	
1,2,3,4,7,8,9-HPCDF	0.132	0.0355	115	50.00	
1,2,3,4,7,8-HxCDD	0.0832	5.51 U	200	50.00	
1,2,3,4,7,8-HXCDF	5.58 U	0.0545	200	50.00	
1,2,3,6,7,8-HXCDD	0.102	0.0227	127	50.00	
1,2,3,6,7,8-HXCDF	0.0759	0.0269	95	50.00	
1,2,3,7,8,9-HXCDD	0.0975	0.0490	66	50.00	
1,2,3,7,8,9-HXCDF	0.106	0.0233	128	50.00	
1,2,3,7,8-PECDD	0.0696	0.0199	111	50.00	
1,2,3,7,8-PECDF	0.0708	0.0304	80	50.00	
2,3,4,6,7,8-HXCDF	0.0768	0.0658	15	50.00	
2,3,4,7,8-PECDF	0.117	0.0641	58	50.00	
2,3,7,8-TCDD	0.0223	0.0230	3	50.00	
OCDD	5.37	2.38	77	50.00	
OCDF	0.385	0.214	57	50.00	

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 1:25:31 PM

ADR version 1.4.0.111

Page 1 of 1

Reporting Limit Outliers

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP09-SA5DN-QC-052711	1,2,3,4,7,8,9-HPCDF	JB	0.544	5.50	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.817	5.50	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.633	5.50	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	3.25	5.50	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.454	5.50	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.34	5.50	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	1.25	5.50	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.526	5.50	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.560	5.50	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.727	5.50	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.07	5.50	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0789	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.255	1.10	PQL	ng/Kg	
DUP-10-SA5DN-QC-053111	1,2,3,4,6,7,8-HPCDD	JBQ	0.594	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.198	5.51	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0355	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0545	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0227	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0269	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0490	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0233	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0199	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0304	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0658	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0641	5.51	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0230	1.10	PQL	ng/Kg	
	OCDD	JB	2.38	11.0	PQL	ng/Kg	
	OCDF	JBQ	0.214	11.0	PQL	ng/Kg	
SL-003-SA8N-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.535	5.82	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0675	5.82	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0243	5.82	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0134	5.82	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0208	5.82	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0137	5.82	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0386	5.82	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0312	5.82	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0106	5.82	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0418	5.82	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0226	1.16	PQL	ng/Kg	
	OCDD	JB	3.17	11.6	PQL	ng/Kg	
	OCDF	JBQ	0.174	11.6	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-003-SA8N-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.582	6.14	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.129	6.14	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0876	6.14	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0515	6.14	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0595	6.14	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0656	6.14	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0321	6.14	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0711	6.14	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0693	6.14	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0314	6.14	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0296	6.14	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0411	6.14	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0732	6.14	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0435	1.23	PQL	ng/Kg	
	OCDD	JB	1.59	12.3	PQL	ng/Kg	
	OCDF	JB	0.273	12.3	PQL	ng/Kg	
SL-008-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.428	5.77	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0757	5.77	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0382	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0243	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0296	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0220	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0225	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0536	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0474	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0213	5.77	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0277	5.77	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0463	5.77	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0273	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0191	1.15	PQL	ng/Kg	
	OCDD	JB	1.19	11.5	PQL	ng/Kg	
	OCDF	JB	0.163	11.5	PQL	ng/Kg	
SL-008-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.425	5.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0823	5.52	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0332	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0411	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0748	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0645	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0645	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0762	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0544	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0779	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.112	5.52	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0584	5.52	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.121	5.52	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0141	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0153	1.10	PQL	ng/Kg	
	OCDD	JB	1.29	11.0	PQL	ng/Kg	
	OCDF	JB	0.127	11.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-010-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.481	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.260	5.56	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0480	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0762	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.164	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0882	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.134	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0865	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.110	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.133	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.215	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.153	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.208	5.56	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0448	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0252	1.11	PQL	ng/Kg	
	OCDD	JB	1.31	11.1	PQL	ng/Kg	
	OCDF	JB	0.228	11.1	PQL	ng/Kg	
SL-010-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.445	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.207	5.62	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0541	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0458	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0610	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0725	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0668	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0733	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0670	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0527	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0594	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0817	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.102	5.62	PQL	ng/Kg	
	OCDD	JB	1.13	11.2	PQL	ng/Kg	
	OCDF	JBQ	0.201	11.2	PQL	ng/Kg	
SL-013-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.422	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.217	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0278	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0299	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.131	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0427	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.237	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.268	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0197	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0362	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0577	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0825	5.66	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0203	1.13	PQL	ng/Kg	
	OCDD	JB	1.32	11.3	PQL	ng/Kg	
	OCDF	JB	0.207	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-013-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.445	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.208	5.53	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0233	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0438	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0277	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0250	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0238	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0135	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0716	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0384	5.53	PQL	ng/Kg	
	OCDD	JBQ	0.990	11.1	PQL	ng/Kg	
	OCDF	JB	0.184	11.1	PQL	ng/Kg	
SL-071-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.502	5.40	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	1.06	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.720	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.24	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.550	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.74	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.478	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.561	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	2.11	5.40	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.517	5.40	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.743	5.40	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0837	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.397	1.08	PQL	ng/Kg	
SL-091-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.655	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.985	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.773	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	3.37	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.447	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	2.52	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	1.00	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.951	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.747	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.657	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.714	5.38	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0818	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.302	1.08	PQL	ng/Kg	
SL-092-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	4.39	5.36	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.334	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.503	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.746	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.95	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.358	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.64	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.958	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.315	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.679	5.36	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.492	5.36	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.790	5.36	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0317	1.07	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-093-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	4.53	5.43	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.360	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.583	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.582	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.23	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.340	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.78	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.13	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.400	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.606	5.43	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.537	5.43	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.936	5.43	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0487	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.310	1.09	PQL	ng/Kg	
SL-117-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.47	5.50	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.165	5.50	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.180	5.50	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.137	5.50	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.855	5.50	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.215	5.50	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.693	5.50	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.642	5.50	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.127	5.50	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.757	5.50	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.206	5.50	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.300	5.50	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.219	1.10	PQL	ng/Kg	
	OCDF	JB	7.02	11.0	PQL	ng/Kg	
SL-118-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.07	5.26	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.348	5.26	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.327	5.26	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.485	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.83	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.373	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.43	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.38	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.407	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.454	5.26	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.363	5.26	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.417	5.26	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0941	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.150	1.05	PQL	ng/Kg	
SL-119-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.98	5.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	3.41	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.88	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.70	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.55	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.97	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.31	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	2.12	5.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.45	5.49	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.226	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.722	1.10	PQL	ng/Kg	

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 1:50:33 PM

ADR version 1.4.0.111

Page 5 of 6

Reporting Limit Outliers

Lab Reporting Batch ID: DX094

Laboratory: LL

EDD Filename: DX094_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-120-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.28	5.27	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	2.29	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.46	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.941	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.40	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.20	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.07	5.27	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.12	5.27	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.27	5.27	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.161	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.532	1.05	PQL	ng/Kg	
SL-122-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	5.69	5.78	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.401	5.78	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	1.15	5.78	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.494	5.78	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	3.24	5.78	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.345	5.78	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.05	5.78	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.27	5.78	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.98	5.78	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.416	5.78	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.484	5.78	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.270	5.78	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.155	1.16	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.389	1.16	PQL	ng/Kg	

LDC #: 26258D

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and Reported CRQLs

Page: 1 of 1
Reviewer: OE
2nd Reviewer: W

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were the correct internal standard (IS), quantitation ions and relative response factors (RRF) used to quantitate the compound?
Y N N/A Compound quantitation and CRQLs were adjusted to reflect all sample dilutions and dry weight factors (if necessary).

#	Date	Sample ID	Finding	Associated Samples	Qualifications
		SL-119-SA5DN-SS-0.0-0.5	OCD 7 Cal range		J/P
		SL-120-SA5DN-SS-0.0-0.5			

SAMPLE DELIVERY GROUP

DX095

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
31-May-2011	SL-102-SA5DN-SS-0.0-0.5	6302786	N	METHOD	1613B	III
31-May-2011	SL-014-SA5DN-SB-4.0-5.0MS	6302776	MS	METHOD	1613B	III
31-May-2011	SL-014-SA5DN-SB-4.0-5.0MSD	6302777	MSD	METHOD	1613B	III
31-May-2011	SL-014-SA5DN-SB-9.0-10.0	6302778	N	METHOD	1613B	III
31-May-2011	EB11-SA5DN-SB-053111	6302779	EB	METHOD	1613B	III
31-May-2011	SL-094-SA5DN-SS-0.0-0.5	6302780	N	METHOD	1613B	III
31-May-2011	SL-095-SA5DN-SS-0.0-0.5	6302781	N	METHOD	1613B	III
31-May-2011	SL-097-SA5DN-SS-0.0-0.5	6302782	N	METHOD	1613B	III
31-May-2011	SL-098-SA5DN-SS-0.0-0.5	6302783	N	METHOD	1613B	III
31-May-2011	SL-014-SA5DN-SB-4.0-5.0	6302775	N	METHOD	1613B	III
31-May-2011	SL-101-SA5DN-SS-0.0-0.5	6302785	N	METHOD	1613B	III
31-May-2011	EB10-SA5DN-SS-053111	6302796	EB	METHOD	1613B	III
31-May-2011	SL-103-SA5DN-SS-0.0-0.5	6302787	N	METHOD	1613B	III
31-May-2011	SL-104-SA5DN-SS-0.0-0.5	6302788	N	METHOD	1613B	III
31-May-2011	SL-110-SA5DN-SS-0.0-0.5	6302789	N	METHOD	1613B	III
31-May-2011	SL-111-SA5DN-SS-0.0-0.5	6302790	N	METHOD	1613B	III
31-May-2011	SL-112-SA5DN-SS-0.0-0.5	6302791	N	METHOD	1613B	III
31-May-2011	SL-113-SA5DN-SS-0.0-0.5	6302792	N	METHOD	1613B	III
31-May-2011	SL-114-SA5DN-SS-0.0-0.5	6302793	N	METHOD	1613B	III
31-May-2011	SL-121-SA5DN-SS-0.0-0.5	6302794	N	METHOD	1613B	III
31-May-2011	SL-125-SA5DN-SS-0.0-0.5	6302795	N	METHOD	1613B	III
31-May-2011	SL-099-SA5DN-SS-0.0-0.5	6302784	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: AQ

Sample ID: EB10-SA5DN-SS-053111

Collected: 5/31/2011 12:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.37	JBQ	0.539	MDL	10.8	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	2.34	JB	0.264	MDL	10.8	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.949	JB	0.261	MDL	10.8	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	1.14	JBQ	0.418	MDL	10.8	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.974	JB	0.389	MDL	10.8	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.729	JBQ	0.344	MDL	10.8	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.707	JBQ	0.297	MDL	10.8	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	1.07	JB	0.273	MDL	10.8	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.704	JB	0.259	MDL	10.8	PQL	pg/L	U	B
OCDD	8.31	JB	0.526	MDL	21.7	PQL	pg/L	U	B
OCDF	3.04	JB	0.731	MDL	21.7	PQL	pg/L	U	B

Sample ID: EB11-SA5DN-SB-053111

Collected: 5/31/2011 12:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.31	JBQ	0.317	MDL	10.3	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	1.67	JBQ	0.144	MDL	10.3	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.454	JB	0.156	MDL	10.3	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.347	JBQ	0.202	MDL	10.3	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.656	JB	0.197	MDL	10.3	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDD	0.346	JBQ	0.221	MDL	10.3	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.656	JBQ	0.189	MDL	10.3	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDD	0.448	JBQ	0.205	MDL	10.3	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.833	JB	0.164	MDL	10.3	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.315	JB	0.257	MDL	10.3	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.368	JB	0.164	MDL	10.3	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.601	JB	0.150	MDL	10.3	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.841	JBQ	0.153	MDL	10.3	PQL	pg/L	U	B
OCDD	6.43	JB	0.326	MDL	20.7	PQL	pg/L	U	B
OCDF	2.24	JB	0.441	MDL	20.7	PQL	pg/L	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:02:36 PM

ADR version 1.4.0.111

Page 1 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-014-SA5DN-SB-4.0-5.0

Collected: 5/31/2011 11:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.723	JB	0.0241	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.118	JB	0.0119	MDL	5.58	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8,9-HPCDF	0.132	JB	0.0185	MDL	5.58	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.0832	JBQ	0.0180	MDL	5.58	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HXCDF	0.0121	U	0.0121	MDL	5.58	PQL	ng/Kg	UJ	FD
1,2,3,6,7,8-HxCDD	0.102	JBQ	0.0179	MDL	5.58	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HXCDF	0.0759	JBQ	0.0107	MDL	5.58	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDD	0.0975	JB	0.0180	MDL	5.58	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDF	0.106	JB	0.0139	MDL	5.58	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.0696	JB	0.0225	MDL	5.58	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.0708	JBQ	0.0117	MDL	5.58	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HXCDF	0.0768	JBQ	0.0116	MDL	5.58	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.117	JBQ	0.0120	MDL	5.58	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0223	JB	0.0201	MDL	1.12	PQL	ng/Kg	U	B
OCDD	5.37	JB	0.0252	MDL	11.2	PQL	ng/Kg	UJ	B, FD
OCDF	0.385	JB	0.0271	MDL	11.2	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-014-SA5DN-SB-9.0-10.0

Collected: 5/31/2011 11:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.57	JB	0.438	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.80	JBQ	0.192	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	2.83	JB	0.383	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.88	JB	0.315	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.60	JBQ	0.264	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.84	JB	0.326	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.73	JBQ	0.224	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.86	JB	0.351	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	2.26	JBQ	0.356	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.82	JB	0.368	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.42	JB	0.172	MDL	5.75	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.45	JBQ	0.237	MDL	5.75	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.58	JB	0.183	MDL	5.75	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.449	JB	0.322	MDL	1.15	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:02:36 PM

ADR version 1.4.0.111

Page 2 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-014-SA5DN-SB-9.0-10.0

Collected: 5/31/2011 11:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDF	0.343	JBQ	0.337	MDL	1.15	PQL	ng/Kg	J	Z
OCDD	5.43	JB	0.589	MDL	11.5	PQL	ng/Kg	U	B
OCDF	5.90	JB	0.774	MDL	11.5	PQL	ng/Kg	J	Z

Sample ID: SL-094-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 8:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.64	JB	0.0210	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.376	JB	0.0269	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.469	JBQ	0.0345	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.661	JB	0.0285	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.25	JB	0.0357	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.422	JBQ	0.0253	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.60	JB	0.0346	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.01	JB	0.0245	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.411	JB	0.0386	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.830	JB	0.0323	MDL	5.42	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.601	JB	0.0252	MDL	5.42	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.891	JB	0.0297	MDL	5.42	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0369	JB	0.0203	MDL	1.08	PQL	ng/Kg	U	B

Sample ID: SL-095-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 9:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.635	JB	0.0446	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.556	JB	0.0459	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.599	JB	0.0358	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.15	JB	0.0488	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.463	JB	0.0350	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.64	JB	0.0467	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.768	JB	0.0326	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.417	JB	0.0497	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.499	JBQ	0.0447	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.551	JB	0.0348	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.860	JB	0.0412	MDL	5.31	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:02:36 PM

ADR version 1.4.0.111

Page 3 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-095-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 9:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDD	0.0720	JBQ	0.0289	MDL	1.06	PQL	ng/Kg	U	B

Sample ID: SL-097-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 9:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.753	JB	0.0531	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.782	JB	0.0614	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.05	JB	0.0557	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	3.77	JB	0.0623	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.538	JB	0.0549	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.20	JB	0.0622	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.12	JB	0.0597	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.398	JBQ	0.0634	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.862	JB	0.0539	MDL	5.59	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.597	JB	0.0519	MDL	5.59	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.882	JB	0.0515	MDL	5.59	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0808	JBQ	0.0315	MDL	1.12	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.339	JBQ	0.103	MDL	1.12	PQL	ng/Kg	J	Z

Sample ID: SL-098-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 9:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	5.40	JB	0.0960	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	4.03	JB	0.0678	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	3.71	JB	0.0591	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	2.00	JB	0.0570	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.75	JB	0.0600	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	2.45	JB	0.0548	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.48	JB	0.0469	MDL	5.55	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	2.59	JB	0.0583	MDL	5.55	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.09	JB	0.0454	MDL	5.55	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.266	JBQ	0.0244	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.527	JB	0.0915	MDL	1.11	PQL	ng/Kg	J	Z
OCDD	12600	EB	0.189	MDL	11.1	PQL	ng/Kg	J	*XI

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:02:36 PM

ADR version 1.4.0.111

Page 4 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-099-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 2:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.26	JB	0.0669	MDL	5.11	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	3.05	JB	0.0673	MDL	5.11	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	2.55	JB	0.0481	MDL	5.11	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.37	JB	0.0466	MDL	5.11	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.31	JB	0.0515	MDL	5.11	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	2.04	JB	0.0627	MDL	5.11	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.59	JB	0.0507	MDL	5.11	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.49	JB	0.0466	MDL	5.11	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.42	JB	0.0478	MDL	5.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.256	JBQ	0.0274	MDL	1.02	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.580	JB	0.110	MDL	1.02	PQL	ng/Kg	J	Z
OCDD	8970	EB	0.196	MDL	10.2	PQL	ng/Kg	J	*XI

Sample ID: SL-101-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 3:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.642	JB	0.0387	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.01	JBQ	0.0473	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.30	JB	0.0407	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.96	JB	0.0506	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.18	JB	0.0400	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.37	JB	0.0483	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.06	JB	0.0394	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.03	JB	0.0566	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.56	JB	0.0516	MDL	5.29	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.941	JB	0.0364	MDL	5.29	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.53	JB	0.0478	MDL	5.29	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.208	JBQ	0.0309	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.815	JB	0.103	MDL	1.06	PQL	ng/Kg	J	Z

Sample ID: SL-102-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 1:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.41	JB	0.0808	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	3.21	JB	0.0709	MDL	5.48	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:02:36 PM

ADR version 1.4.0.111

Page 5 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-102-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 1:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	2.43	JB	0.0508	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.22	JB	0.0481	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.09	JB	0.0552	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	2.04	JB	0.0543	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.523	JB	0.0395	MDL	5.48	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.37	JB	0.0473	MDL	5.48	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.991	JB	0.0377	MDL	5.48	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.209	JB	0.0295	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.373	JB	0.0685	MDL	1.10	PQL	ng/Kg	J	Z
OCDD	8510	EB	0.195	MDL	11.0	PQL	ng/Kg	J	*XI

Sample ID: SL-103-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 11:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.21	JB	0.0658	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.03	JB	0.0653	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	2.32	JB	0.0530	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.24	JB	0.0514	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	4.89	JB	0.0641	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.24	JB	0.0589	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.43	JB	0.0566	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.480	JB	0.0443	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.37	JB	0.0521	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.04	JB	0.0421	MDL	5.28	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.130	JB	0.0267	MDL	1.06	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.464	JBQ	0.0904	MDL	1.06	PQL	ng/Kg	J	Z
OCDD	6190	EB	0.194	MDL	10.6	PQL	ng/Kg	J	*XI

Sample ID: SL-104-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 11:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.04	JB	0.0632	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.725	JB	0.0701	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.867	JB	0.0486	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	4.88	JB	0.0702	MDL	5.28	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:02:36 PM

ADR version 1.4.0.111

Page 6 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-104-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 11:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDF	0.570	JB	0.0491	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	2.46	JB	0.0679	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.839	JB	0.0543	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.429	JB	0.0533	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.690	JB	0.0467	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.702	JB	0.0467	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.712	JB	0.0448	MDL	5.28	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0383	JB	0.0270	MDL	1.06	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.414	JB	0.115	MDL	1.06	PQL	ng/Kg	J	Z

Sample ID: SL-110-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 3:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.600	JB	0.0681	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.702	JB	0.0717	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.643	JB	0.0465	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	3.22	JB	0.0734	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.426	JB	0.0455	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	2.14	JB	0.0728	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.14	JB	0.0484	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.560	JB	0.0599	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.355	JB	0.0429	MDL	5.44	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.606	JB	0.0428	MDL	5.44	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.812	JB	0.0419	MDL	5.44	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0819	JB	0.0314	MDL	1.09	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.264	JB	0.0901	MDL	1.09	PQL	ng/Kg	J	Z

Sample ID: SL-111-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 1:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.02	JB	0.0621	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.929	JB	0.0626	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.06	JB	0.0448	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.575	JB	0.0417	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	2.86	JB	0.0625	MDL	5.53	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:02:36 PM

ADR version 1.4.0.111

Page 7 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-111-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 1:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	1.25	JB	0.0467	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.443	JB	0.0465	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.337	JB	0.0339	MDL	5.53	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.658	JB	0.0456	MDL	5.53	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.523	JB	0.0316	MDL	5.53	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0543	JB	0.0228	MDL	1.11	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.213	JB	0.0679	MDL	1.11	PQL	ng/Kg	J	Z

Sample ID: SL-112-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 2:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.776	JB	0.0568	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.867	JB	0.0667	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.853	JB	0.0408	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	4.29	JB	0.0697	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.595	JB	0.0377	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.30	JB	0.0730	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.922	JB	0.0415	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.523	JB	0.0442	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.697	JB	0.0414	MDL	5.41	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.680	JB	0.0400	MDL	5.41	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.788	JB	0.0378	MDL	5.41	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.101	JBQ	0.0240	MDL	1.08	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.300	JBQ	0.0871	MDL	1.08	PQL	ng/Kg	J	Z

Sample ID: SL-113-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 2:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	3.41	JB	0.0706	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.92	JB	0.0979	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	4.78	JB	0.0600	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.98	JB	0.0598	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	2.08	JB	0.0559	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.37	JB	0.0719	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.55	JB	0.0510	MDL	5.47	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:02:36 PM

ADR version 1.4.0.111

Page 8 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-113-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 2:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,6,7,8-HXCDF	2.18	JB	0.0565	MDL	5.47	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.30	JB	0.0489	MDL	5.47	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.213	JB	0.0248	MDL	1.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.558	JB	0.0971	MDL	1.09	PQL	ng/Kg	J	Z
OCDD	9240	EB	0.178	MDL	10.9	PQL	ng/Kg	J	*XI

Sample ID: SL-114-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 3:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	3.43	JB	0.0334	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.368	JB	0.0420	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.414	JB	0.0624	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.558	JB	0.0364	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.53	JB	0.0632	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.393	JB	0.0369	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.26	JB	0.0617	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.760	JB	0.0365	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.393	JB	0.0429	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.479	JB	0.0464	MDL	5.22	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.346	JB	0.0347	MDL	5.22	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.594	JB	0.0400	MDL	5.22	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.103	JBQ	0.0294	MDL	1.04	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.320	JB	0.0783	MDL	1.04	PQL	ng/Kg	J	Z

Sample ID: SL-121-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 10:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.08	JB	0.0600	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.95	JB	0.0866	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.96	JB	0.0498	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.55	JB	0.0496	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.12	JB	0.0505	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.63	JB	0.0764	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	2.39	JB	0.0651	MDL	5.32	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.87	JB	0.0468	MDL	5.32	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:02:36 PM

ADR version 1.4.0.111

Page 9 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-121-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 10:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,7,8-PECDF	2.76	JB	0.0634	MDL	5.32	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.255	JB	0.0315	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	1.03	JB	0.140	MDL	1.06	PQL	ng/Kg	J	Z
OCDD	6220	EB	0.151	MDL	10.6	PQL	ng/Kg	J	*XI

Sample ID: SL-125-SA5DN-SS-0.0-0.5

Collected: 5/31/2011 10:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.13	JB	0.0615	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.54	JB	0.0546	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	1.07	JB	0.0462	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.736	JB	0.0433	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.86	JB	0.0544	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	1.28	JB	0.0483	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.773	JB	0.0572	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.868	JB	0.0431	MDL	5.40	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.876	JB	0.0465	MDL	5.40	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.995	JB	0.0388	MDL	5.40	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.105	JB	0.0286	MDL	1.08	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.403	JB	0.0815	MDL	1.08	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:02:37 PM

ADR version 1.4.0.111

Page 10 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*XI	Compound Quantitation and CRQLs
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Laboratory Triplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:02:37 PM

ADR version 1.4.0.111

Page 11 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Laboratory Triplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:02:37 PM

ADR version 1.4.0.111

Page 12 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Q	Matrix Spike Upper Rejection
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:02:37 PM

ADR version 1.4.0.111

Page 13 of 13

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX095

Method Blank Outlier Report

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1540B370528	6/7/2011 5:28:00 AM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD 2,3,7,8-TCDF OCDD OCDF	3.82 pg/L 2.66 pg/L 1.23 pg/L 0.888 pg/L 1.05 pg/L 0.712 pg/L 1.06 pg/L 1.50 pg/L 1.01 pg/L 1.18 pg/L 0.895 pg/L 1.18 pg/L 0.981 pg/L 0.343 pg/L 0.368 pg/L 9.88 pg/L 3.74 pg/L	EB10-SA5DN-SS-053111 EB11-SA5DN-SB-053111

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
EB10-SA5DN-SS-053111(RES)	1,2,3,4,6,7,8-HPCDD	3.37 pg/L	3.37U pg/L
EB10-SA5DN-SS-053111(RES)	1,2,3,4,6,7,8-HPCDF	2.34 pg/L	2.34U pg/L
EB10-SA5DN-SS-053111(RES)	1,2,3,4,7,8,9-HPCDF	0.949 pg/L	0.949U pg/L
EB10-SA5DN-SS-053111(RES)	1,2,3,4,7,8-HxCDF	1.14 pg/L	1.14U pg/L
EB10-SA5DN-SS-053111(RES)	1,2,3,6,7,8-HxCDF	0.974 pg/L	0.974U pg/L
EB10-SA5DN-SS-053111(RES)	1,2,3,7,8,9-HxCDD	0.729 pg/L	0.729U pg/L
EB10-SA5DN-SS-053111(RES)	1,2,3,7,8-PECDF	0.707 pg/L	0.707U pg/L
EB10-SA5DN-SS-053111(RES)	2,3,4,6,7,8-HxCDF	1.07 pg/L	1.07U pg/L
EB10-SA5DN-SS-053111(RES)	2,3,4,7,8-PECDF	0.704 pg/L	0.704U pg/L
EB10-SA5DN-SS-053111(RES)	OCDD	8.31 pg/L	8.31U pg/L
EB10-SA5DN-SS-053111(RES)	OCDF	3.04 pg/L	3.04U pg/L
EB11-SA5DN-SB-053111(RES)	1,2,3,4,6,7,8-HPCDD	2.31 pg/L	2.31U pg/L
EB11-SA5DN-SB-053111(RES)	1,2,3,4,6,7,8-HPCDF	1.67 pg/L	1.67U pg/L
EB11-SA5DN-SB-053111(RES)	1,2,3,4,7,8,9-HPCDF	0.454 pg/L	0.454U pg/L
EB11-SA5DN-SB-053111(RES)	1,2,3,4,7,8-HxCDD	0.347 pg/L	0.347U pg/L
EB11-SA5DN-SB-053111(RES)	1,2,3,4,7,8-HxCDF	0.656 pg/L	0.656U pg/L
EB11-SA5DN-SB-053111(RES)	1,2,3,6,7,8-HxCDD	0.346 pg/L	0.346U pg/L
EB11-SA5DN-SB-053111(RES)	1,2,3,6,7,8-HxCDF	0.656 pg/L	0.656U pg/L
EB11-SA5DN-SB-053111(RES)	1,2,3,7,8,9-HxCDD	0.448 pg/L	0.448U pg/L
EB11-SA5DN-SB-053111(RES)	1,2,3,7,8,9-HxCDF	0.833 pg/L	0.833U pg/L
EB11-SA5DN-SB-053111(RES)	1,2,3,7,8-PECDD	0.315 pg/L	0.315U pg/L
EB11-SA5DN-SB-053111(RES)	1,2,3,7,8-PECDF	0.368 pg/L	0.368U pg/L
EB11-SA5DN-SB-053111(RES)	2,3,4,6,7,8-HxCDF	0.601 pg/L	0.601U pg/L
EB11-SA5DN-SB-053111(RES)	2,3,4,7,8-PECDF	0.841 pg/L	0.841U pg/L
EB11-SA5DN-SB-053111(RES)	OCDD	6.43 pg/L	6.43U pg/L
EB11-SA5DN-SB-053111(RES)	OCDF	2.24 pg/L	2.24U pg/L

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:02:01 PM

ADR version 1.4.0.111

Page 1 of 3

Method Blank Outlier Report

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1640B370705	6/17/2011 7:05:00 AM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD 2,3,7,8-TCDF OCDD OCDF	0.463 ng/Kg 0.111 ng/Kg 0.122 ng/Kg 0.0874 ng/Kg 0.0717 ng/Kg 0.0862 ng/Kg 0.0613 ng/Kg 0.127 ng/Kg 0.115 ng/Kg 0.0563 ng/Kg 0.0601 ng/Kg 0.0686 ng/Kg 0.0796 ng/Kg 0.0351 ng/Kg 0.0163 ng/Kg 1.18 ng/Kg 0.393 ng/Kg	SL-014-SA5DN-SB-4.0-5.0 SL-014-SA5DN-SB-9.0-10.0 SL-094-SA5DN-SS-0.0-0.5 SL-095-SA5DN-SS-0.0-0.5 SL-097-SA5DN-SS-0.0-0.5 SL-098-SA5DN-SS-0.0-0.5 SL-099-SA5DN-SS-0.0-0.5 SL-101-SA5DN-SS-0.0-0.5 SL-102-SA5DN-SS-0.0-0.5 SL-103-SA5DN-SS-0.0-0.5 SL-104-SA5DN-SS-0.0-0.5 SL-110-SA5DN-SS-0.0-0.5 SL-111-SA5DN-SS-0.0-0.5 SL-112-SA5DN-SS-0.0-0.5 SL-113-SA5DN-SS-0.0-0.5 SL-114-SA5DN-SS-0.0-0.5 SL-121-SA5DN-SS-0.0-0.5 SL-125-SA5DN-SS-0.0-0.5

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-014-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.723 ng/Kg	0.723U ng/Kg
SL-014-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.118 ng/Kg	0.118U ng/Kg
SL-014-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.132 ng/Kg	0.132U ng/Kg
SL-014-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0832 ng/Kg	0.0832U ng/Kg
SL-014-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.102 ng/Kg	0.102U ng/Kg
SL-014-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0759 ng/Kg	0.0759U ng/Kg
SL-014-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0975 ng/Kg	0.0975U ng/Kg
SL-014-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.106 ng/Kg	0.106U ng/Kg
SL-014-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0696 ng/Kg	0.0696U ng/Kg
SL-014-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0708 ng/Kg	0.0708U ng/Kg
SL-014-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0768 ng/Kg	0.0768U ng/Kg
SL-014-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.117 ng/Kg	0.117U ng/Kg
SL-014-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0223 ng/Kg	0.0223U ng/Kg
SL-014-SA5DN-SB-4.0-5.0(RES)	OCDD	5.37 ng/Kg	5.37U ng/Kg
SL-014-SA5DN-SB-4.0-5.0(RES)	OCDF	0.385 ng/Kg	0.385U ng/Kg
SL-014-SA5DN-SB-9.0-10.0(RES)	OCDD	5.43 ng/Kg	5.43U ng/Kg
SL-094-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.376 ng/Kg	0.376U ng/Kg
SL-094-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0369 ng/Kg	0.0369U ng/Kg
SL-095-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0720 ng/Kg	0.0720U ng/Kg
SL-097-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0808 ng/Kg	0.0808U ng/Kg
SL-103-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.130 ng/Kg	0.130U ng/Kg
SL-104-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0383 ng/Kg	0.0383U ng/Kg
SL-110-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.600 ng/Kg	0.600U ng/Kg
SL-110-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0819 ng/Kg	0.0819U ng/Kg
SL-111-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0543 ng/Kg	0.0543U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:02:01 PM

ADR version 1.4.0.111

Page 2 of 3

Method Blank Outlier Report

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
---------------------------	---------------	---------	--------	-----------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-112-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.101 ng/Kg	0.101U ng/Kg
SL-114-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.368 ng/Kg	0.368U ng/Kg
SL-114-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.414 ng/Kg	0.414U ng/Kg
SL-114-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.103 ng/Kg	0.103U ng/Kg
SL-125-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.105 ng/Kg	0.105U ng/Kg

Field Duplicate RPD Report

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-014-SA5DN-SB-4.0-5.0	DUP-10-SA5DN-QC-053111			
MOISTURE	12.3	11.600000000	6		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-014-SA5DN-SB-4.0-5.0	DUP-10-SA5DN-QC-053111			
1,2,3,4,6,7,8-HPCDD	0.723	0.594000000	20	50.00	No Qualifiers Applied
2,3,4,6,7,8-HXCDF	0.0768	0.065800000	15	50.00	
2,3,7,8-TCDD	0.0223	0.023000000	3	50.00	
1,2,3,4,6,7,8-HPCDF	0.118	0.198000000	51	50.00	J(all detects) UJ(all non-detects)
1,2,3,4,7,8,9-HPCDF	0.132	0.035500000	115	50.00	
1,2,3,4,7,8-HxCDD	0.0832	5.510000000 U	200	50.00	
1,2,3,4,7,8-HXCDF	5.58 U	0.054500000	200	50.00	
1,2,3,6,7,8-HXCDD	0.102	0.022700000	127	50.00	
1,2,3,6,7,8-HXCDF	0.0759	0.026900000	95	50.00	
1,2,3,7,8,9-HXCDD	0.0975	0.049000000	66	50.00	
1,2,3,7,8,9-HXCDF	0.106	0.023300000	128	50.00	
1,2,3,7,8-PECDD	0.0696	0.019900000	111	50.00	
1,2,3,7,8-PECDF	0.0708	0.030400000	80	50.00	
2,3,4,7,8-PECDF	0.117	0.064100000	58	50.00	
OCDD	5.37	2.380000000	77	50.00	
OCDF	0.385	0.214000000	57	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB10-SA5DN-SS-053111	1,2,3,4,6,7,8-HPCDD	JBQ	3.37	10.8	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	2.34	10.8	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	0.949	10.8	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	1.14	10.8	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JB	0.974	10.8	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JBQ	0.729	10.8	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.707	10.8	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JB	1.07	10.8	PQL	pg/L	
	2,3,4,7,8-PECDF	JB	0.704	10.8	PQL	pg/L	
	OCDD	JB	8.31	21.7	PQL	pg/L	
	OCDF	JB	3.04	21.7	PQL	pg/L	
EB11-SA5DN-SB-053111	1,2,3,4,6,7,8-HPCDD	JBQ	2.31	10.3	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	1.67	10.3	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	0.454	10.3	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JBQ	0.347	10.3	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JB	0.656	10.3	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JBQ	0.346	10.3	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.656	10.3	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JBQ	0.448	10.3	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JB	0.833	10.3	PQL	pg/L	
	1,2,3,7,8-PECDD	JB	0.315	10.3	PQL	pg/L	
	1,2,3,7,8-PECDF	JB	0.368	10.3	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JB	0.601	10.3	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.841	10.3	PQL	pg/L	
	OCDD	JB	6.43	20.7	PQL	pg/L	
	OCDF	JB	2.24	20.7	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-014-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.723	5.58	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.118	5.58	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.132	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0832	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.102	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0759	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0975	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.106	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0696	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0708	5.58	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0768	5.58	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.117	5.58	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0223	1.12	PQL	ng/Kg	
	OCDD	JB	5.37	11.2	PQL	ng/Kg	
	OCDF	JB	0.385	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-014-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	2.57	5.75	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	1.80	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HPCDF	JB	2.83	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	1.88	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	1.60	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.84	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	1.73	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.86	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	2.26	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.82	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.42	5.75	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	1.45	5.75	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.58	5.75	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.449	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.343	1.15	PQL	ng/Kg	
	OCDD	JB	5.43	11.5	PQL	ng/Kg	
	OCDF	JB	5.90	11.5	PQL	ng/Kg	
SL-094-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	4.64	5.42	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.376	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.469	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.661	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.25	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.422	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.60	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.01	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.411	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.830	5.42	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.601	5.42	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.891	5.42	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0369	1.08	PQL	ng/Kg	
SL-095-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.635	5.31	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.556	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.599	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.15	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.463	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.64	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.768	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.417	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.499	5.31	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.551	5.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.860	5.31	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0720	1.06	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-097-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.753	5.59	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.782	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	1.05	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	3.77	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.538	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.20	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	1.12	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.398	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.862	5.59	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.597	5.59	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.882	5.59	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0808	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.339	1.12	PQL	ng/Kg	
SL-098-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	5.40	5.55	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	4.03	5.55	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	3.71	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	2.00	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	1.75	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	2.45	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.48	5.55	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	2.59	5.55	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.09	5.55	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.266	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.527	1.11	PQL	ng/Kg	
SL-099-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.26	5.11	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	3.05	5.11	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	2.55	5.11	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	1.37	5.11	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	1.31	5.11	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	2.04	5.11	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.59	5.11	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	1.49	5.11	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.42	5.11	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.256	1.02	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.580	1.02	PQL	ng/Kg	
SL-101-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.642	5.29	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	1.01	5.29	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	1.30	5.29	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.96	5.29	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	1.18	5.29	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.37	5.29	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	1.06	5.29	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.03	5.29	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.56	5.29	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.941	5.29	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.53	5.29	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.208	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.815	1.06	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-102-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.41	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	3.21	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	2.43	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	1.22	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	1.09	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	2.04	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.523	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	1.37	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.991	5.48	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.209	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.373	1.10	PQL	ng/Kg	
SL-103-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.21	5.28	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	2.03	5.28	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	2.32	5.28	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	1.24	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	4.89	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	1.24	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.43	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.480	5.28	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	1.37	5.28	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.04	5.28	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.130	1.06	PQL	ng/Kg	
SL-104-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.04	5.28	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.725	5.28	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.867	5.28	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	4.88	5.28	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.570	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.46	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.839	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.429	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.690	5.28	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.702	5.28	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.712	5.28	PQL	ng/Kg	
SL-110-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.600	5.44	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.702	5.44	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.643	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	3.22	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.426	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.14	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	1.14	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.560	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.355	5.44	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.606	5.44	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.812	5.44	PQL	ng/Kg	
SL-110-SA5DN-SS-0.0-0.5	2,3,7,8-TCDD	JB	0.0819	1.09	PQL	ng/Kg	J (all detects)
	2,3,7,8-TCDF	JB	0.264	1.09	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-111-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.02	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.929	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.06	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.575	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	2.86	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.25	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.443	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.337	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.658	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.523	5.53	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0543	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.213	1.11	PQL	ng/Kg	
SL-112-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.776	5.41	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.867	5.41	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.853	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	4.29	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.595	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	2.30	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.922	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.523	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.697	5.41	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.680	5.41	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.788	5.41	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.101	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.300	1.08	PQL	ng/Kg	
SL-113-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	3.41	5.47	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	2.92	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	4.78	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.98	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	2.08	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.37	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.55	5.47	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	2.18	5.47	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.30	5.47	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.213	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.558	1.09	PQL	ng/Kg	
SL-114-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.43	5.22	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.368	5.22	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.414	5.22	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.558	5.22	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.53	5.22	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.393	5.22	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.26	5.22	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.760	5.22	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.393	5.22	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.479	5.22	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.346	5.22	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.594	5.22	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.103	1.04	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.320	1.04	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX095

Laboratory: LL

EDD Filename: DX095_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-121-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.08	5.32	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	2.95	5.32	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.96	5.32	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.55	5.32	PQL	ng/Kg	
	1,2,3,7,8-HXCDF	JB	1.12	5.32	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.63	5.32	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	2.39	5.32	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.87	5.32	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.76	5.32	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.255	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	1.03	1.06	PQL	ng/Kg	
SL-125-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.13	5.40	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.54	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.07	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.736	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.86	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.28	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.773	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.868	5.40	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.876	5.40	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.995	5.40	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.105	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.403	1.08	PQL	ng/Kg	

LDC #: 26288

VALIDATION FINDINGS WORKSHEET

Compound Quantitation and Reported CRQLs

Page: 1 of 1
Reviewer: OR
2nd Reviewer: La

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were the correct internal standard (IS), quantitation ions and relative response factors (RRF) used to quantitate the compound?
Y N N/A Compound quantitation and CRQLs were adjusted to reflect all sample dilutions and dry weight factors (if necessary).

#	Date	Sample ID	Finding	Associated Samples	Qualifications
		SL-098-SA5DN-SS0.0-0.5	QCDD >	cal range	J/P
		SL-099-SA5DN-SS0.0-0.5			
		SL-102-SA5DN-SS0.0-0.5			
		SL-103-SA5DN-SS0.0-0.5			
		SL-113-SA5DN-SS0.0-0.5			
		SL-121-SA5DN-SS0.0-0.5			

SAMPLE DELIVERY GROUP

DX096

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
1-June-2011	SL-128-SA5DN-SS-0.0-0.5	6304883	N	METHOD	1613B	III
1-June-2011	SL-105-SA5DN-SS-0.0-0.5	6304872	N	METHOD	1613B	III
1-June-2011	SL-106-SA5DN-SS-0.0-0.5	6304873	N	METHOD	1613B	III
1-June-2011	SL-107-SA5DN-SS-0.0-0.5	6304874	N	METHOD	1613B	III
1-June-2011	SL-108-SA5DN-SS-0.0-0.5	6304875	N	METHOD	1613B	III
1-June-2011	SL-108-SA5DN-SS-0.0-0.5MS	6304876	MS	METHOD	1613B	III
1-June-2011	SL-108-SA5DN-SS-0.0-0.5MSD	6304877	MSD	METHOD	1613B	III
1-June-2011	SL-109-SA5DN-SS-0.0-0.5	6304878	N	METHOD	1613B	III
1-June-2011	SL-123-SA5DN-SS-0.0-0.5	6304879	N	METHOD	1613B	III
1-June-2011	SL-124-SA5DN-SS-0.0-0.5	6304880	N	METHOD	1613B	III
1-June-2011	SL-100-SA5DN-SS-0.0-0.5	6304871	N	METHOD	1613B	III
1-June-2011	SL-127-SA5DN-SS-0.0-0.5	6304882	N	METHOD	1613B	III
1-June-2011	SL-018-SA5DN-SB-7.5-8.5	6304893	N	METHOD	1613B	III
1-June-2011	SL-129-SA5DN-SS-0.0-0.5	6304884	N	METHOD	1613B	III
1-June-2011	SL-130-SA5DN-SS-0.0-0.5	6304885	N	METHOD	1613B	III
1-June-2011	SL-148-SA5DN-SS-0.0-0.5	6304886	N	METHOD	1613B	III
1-June-2011	DUP-11-SA5DN-QC-060111	6304887	FD	METHOD	1613B	III
1-June-2011	SL-015-SA5DN-SB-4.0-5.0	6304888	N	METHOD	1613B	III
1-June-2011	SL-015-SA5DN-SB-12.0-13.0	6304889	N	METHOD	1613B	III
1-June-2011	SL-017-SA5DN-SB-4.0-5.0	6304890	N	METHOD	1613B	III
1-June-2011	SL-017-SA5DN-SB-7.0-8.0	6304891	N	METHOD	1613B	III
1-June-2011	SL-018-SA5DN-SB-4.0-5.0	6304892	N	METHOD	1613B	III
1-June-2011	SL-126-SA5DN-SS-0.0-0.5	6304881	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP-11-SA5DN-QC-060111

Collected: 6/1/2011 2:40:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.39	JB	0.0808	MDL	5.28	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HxCDD	0.859	JB	0.0894	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.872	JB	0.0731	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	4.09	JB	0.0954	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.564	JB	0.0699	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.11	JB	0.0887	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.773	JB	0.0731	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.457	JBQ	0.0641	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.989	JBQ	0.0769	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.665	JB	0.0708	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.478	JBQ	0.0711	MDL	5.28	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0744	JB	0.0323	MDL	1.06	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDF	0.344	JQ	0.172	MDL	1.06	PQL	ng/Kg	J	Z

Sample ID: SL-015-SA5DN-SB-12.0-13.0

Collected: 6/1/2011 3:54:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.449	JB	0.0410	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0745	JB	0.0212	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0485	JBQ	0.0435	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0233	JBQ	0.0201	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0308	JB	0.0180	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0607	JB	0.0209	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0175	JBQ	0.0136	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0791	JBQ	0.0204	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0570	JBQ	0.0175	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0372	JBQ	0.0250	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0406	JBQ	0.0148	MDL	5.43	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0243	JBQ	0.0135	MDL	5.43	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0825	JBQ	0.0166	MDL	5.43	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0224	JBQ	0.0179	MDL	1.09	PQL	ng/Kg	U	B
OCDD	3.71	JB	0.0525	MDL	10.9	PQL	ng/Kg	U	B
OCDF	0.198	JBQ	0.0640	MDL	10.9	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:38:07 PM

ADR version 1.4.0.111

Page 1 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-015-SA5DN-SB-4.0-5.0

Collected: 6/1/2011 3:45:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	5.39	JB	0.0477	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.284	JB	0.0214	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0700	JBQ	0.0437	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.103	JBQ	0.0366	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.182	JB	0.0282	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.297	JBQ	0.0374	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.116	JBQ	0.0218	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.340	JBQ	0.0367	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.377	JBQ	0.0292	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.179	JBQ	0.0229	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.187	JB	0.0151	MDL	5.56	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0799	JB	0.0233	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.219	JB	0.0164	MDL	5.56	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0363	JBQ	0.0159	MDL	1.11	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0689	JQ	0.0207	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	0.681	JB	0.0589	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-017-SA5DN-SB-4.0-5.0

Collected: 6/1/2011 12:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.481	JBQ	0.0427	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0449	JB	0.0103	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0314	JBQ	0.0240	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0520	JBQ	0.0150	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0407	JBQ	0.0230	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0360	JBQ	0.0178	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0284	JBQ	0.0109	MDL	5.63	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0225	JB	0.0128	MDL	5.63	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0802	JBQ	0.0118	MDL	5.63	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0227	JQ	0.0201	MDL	1.13	PQL	ng/Kg	J	Z
OCDD	1.64	JB	0.0501	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.189	JBQ	0.0694	MDL	11.3	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:38:07 PM

ADR version 1.4.0.111

Page 2 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-017-SA5DN-SB-7.0-8.0

Collected: 6/1/2011 12:39:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.569	JB	0.0370	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.109	JB	0.0109	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0967	JBQ	0.0214	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0850	JB	0.0249	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0673	JB	0.0131	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.101	JB	0.0254	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0802	JB	0.0113	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.165	JB	0.0242	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0932	JBQ	0.0149	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0754	JB	0.0164	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0604	JBQ	0.00569	MDL	5.60	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0806	JB	0.0121	MDL	5.60	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0865	JB	0.00614	MDL	5.60	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0333	JBQ	0.0125	MDL	1.12	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0113	JQ	0.00956	MDL	1.12	PQL	ng/Kg	J	Z
OCDD	1.38	JB	0.0306	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.302	JBQ	0.0410	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-018-SA5DN-SB-4.0-5.0

Collected: 6/1/2011 11:16:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.586	JB	0.0297	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.145	JBQ	0.00809	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.110	JB	0.0163	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.139	JB	0.0172	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.171	JB	0.0169	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.139	JBQ	0.0180	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.140	JB	0.0139	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.167	JB	0.0174	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.154	JB	0.0186	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.133	JBQ	0.0150	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.116	JB	0.00798	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.129	JB	0.0151	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.159	JB	0.00865	MDL	5.38	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:38:07 PM

ADR version 1.4.0.111

Page 3 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-018-SA5DN-SB-4.0-5.0

Collected: 6/1/2011 11:16:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDD	0.0282	JBQ	0.0153	MDL	1.08	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0366	JQ	0.0129	MDL	1.08	PQL	ng/Kg	J	Z
OCDD	4.78	JB	0.0355	MDL	10.8	PQL	ng/Kg	U	B
OCDF	0.310	JBQ	0.0314	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-018-SA5DN-SB-7.5-8.5

Collected: 6/1/2011 11:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.11	JB	0.0336	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.482	JB	0.0103	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.365	JBQ	0.0195	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.330	JBQ	0.0241	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.353	JB	0.0264	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.364	JBQ	0.0254	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.296	JBQ	0.0218	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.406	JB	0.0248	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.356	JB	0.0272	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.297	JB	0.0165	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.279	JB	0.0107	MDL	5.50	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.323	JB	0.0222	MDL	5.50	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.297	JB	0.0106	MDL	5.50	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0334	JBQ	0.0135	MDL	1.10	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0433	JQ	0.0143	MDL	1.10	PQL	ng/Kg	J	Z
OCDD	6.48	JB	0.0284	MDL	11.0	PQL	ng/Kg	J	Z
OCDF	1.11	JB	0.0384	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-100-SA5DN-SS-0.0-0.5

Collected: 6/1/2011 3:25:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.547	JB	0.0193	MDL	5.17	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.595	JB	0.0164	MDL	5.17	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.577	JB	0.0131	MDL	5.17	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.96	JB	0.0175	MDL	5.17	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.337	JB	0.0119	MDL	5.17	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.85	JB	0.0166	MDL	5.17	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:38:07 PM

ADR version 1.4.0.111

Page 4 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-100-SA5DN-SS-0.0-0.5

Collected: 6/1/2011 3:25:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	0.966	JB	0.0142	MDL	5.17	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.364	J	0.0153	MDL	5.17	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.405	JB	0.0138	MDL	5.17	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.492	JB	0.0133	MDL	5.17	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.512	JB	0.0135	MDL	5.17	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0569	J	0.00840	MDL	1.03	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.241	J	0.0261	MDL	1.03	PQL	ng/Kg	J	Z

Sample ID: SL-105-SA5DN-SS-0.0-0.5

Collected: 6/1/2011 1:35:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.75	JB	0.0888	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.46	JB	0.0752	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.92	JB	0.0674	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.845	JB	0.0644	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.34	JB	0.0745	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.983	JB	0.0667	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.781	JB	0.0585	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.06	JB	0.0635	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.21	JB	0.0662	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.01	JB	0.0606	MDL	5.31	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0756	JBQ	0.0211	MDL	1.06	PQL	ng/Kg	U	B

Sample ID: SL-106-SA5DN-SS-0.0-0.5

Collected: 6/1/2011 1:45:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.845	JB	0.0691	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.828	JBQ	0.0740	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.884	JB	0.0661	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.84	JB	0.0751	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.587	JB	0.0596	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.91	JB	0.0708	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.06	JB	0.0730	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.521	JB	0.0501	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.995	JB	0.0476	MDL	5.27	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:38:07 PM

ADR version 1.4.0.111

Page 5 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-106-SA5DN-SS-0.0-0.5

Collected: 6/1/2011 1:45:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,6,7,8-HXCDF	0.677	JB	0.0636	MDL	5.27	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.698	JB	0.0474	MDL	5.27	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.134	JB	0.0221	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.250	J	0.0936	MDL	1.05	PQL	ng/Kg	J	Z

Sample ID: SL-107-SA5DN-SS-0.0-0.5

Collected: 6/1/2011 2:10:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.836	JB	0.0559	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.902	JB	0.0565	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.807	JBQ	0.0498	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.52	JB	0.0592	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.649	JB	0.0444	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.79	JB	0.0561	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.854	JB	0.0498	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.612	JBQ	0.0387	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.802	JB	0.0349	MDL	5.16	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.704	JB	0.0462	MDL	5.16	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.767	JB	0.0346	MDL	5.16	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0355	JBQ	0.0159	MDL	1.03	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.237	JQ	0.0732	MDL	1.03	PQL	ng/Kg	J	Z

Sample ID: SL-108-SA5DN-SS-0.0-0.5

Collected: 6/1/2011 2:30:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.827	JB	0.0824	MDL	5.25	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HxCDD	0.761	JB	0.0842	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.802	JB	0.0668	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	3.62	JB	0.0869	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.475	JB	0.0633	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.11	JB	0.0837	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.646	JB	0.0681	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.390	JB	0.0576	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.05	JB	0.0648	MDL	5.25	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.586	JB	0.0662	MDL	5.25	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:38:08 PM

ADR version 1.4.0.111

Page 6 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-108-SA5DN-SS-0.0-0.5

Collected: 6/1/2011 2:30:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,7,8-PECDF	0.722	JB	0.0634	MDL	5.25	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0444	JBQ	0.0242	MDL	1.05	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDF	0.360	J	0.135	MDL	1.05	PQL	ng/Kg	J	Z

Sample ID: SL-109-SA5DN-SS-0.0-0.5

Collected: 6/1/2011 3:10:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.85	JB	0.0598	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.897	JB	0.0892	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.28	JB	0.0699	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	3.99	JB	0.0938	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.676	JB	0.0676	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.25	JB	0.0906	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.27	JB	0.0680	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.463	JB	0.0546	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.03	JB	0.0514	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.943	JB	0.0655	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.905	JB	0.0478	MDL	5.34	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0724	JB	0.0205	MDL	1.07	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.364	J	0.107	MDL	1.07	PQL	ng/Kg	J	Z

Sample ID: SL-123-SA5DN-SS-0.0-0.5

Collected: 6/1/2011 10:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.11	JB	0.0593	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.46	JB	0.0623	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.943	JB	0.0485	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	4.83	JB	0.0643	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.706	JB	0.0447	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.41	JB	0.0629	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.968	JB	0.0509	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.990	JB	0.0550	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.21	JB	0.0403	MDL	5.24	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.872	JB	0.0452	MDL	5.24	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.872	JB	0.0390	MDL	5.24	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:38:08 PM

ADR version 1.4.0.111

Page 7 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-123-SA5DN-SS-0.0-0.5

Collected: 6/1/2011 10:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDD	0.163	JBQ	0.0165	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.505	J	0.0865	MDL	1.05	PQL	ng/Kg	J	Z

Sample ID: SL-124-SA5DN-SS-0.0-0.5

Collected: 6/1/2011 10:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3360	EB	0.610	MDL	5.37	PQL	ng/Kg	J	*XI
1,2,3,7,8,9-HXCDF	2.85	JB	0.161	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.61	JB	0.0694	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	4.17	JB	0.0676	MDL	5.37	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.567	JBQ	0.0375	MDL	1.07	PQL	ng/Kg	J	Z
OCDD	37100	EB	0.514	MDL	10.7	PQL	ng/Kg	J	*XI

Sample ID: SL-126-SA5DN-SS-0.0-0.5

Collected: 6/1/2011 11:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	4.76	JB	0.131	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	2.53	JB	0.0857	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	2.14	JB	0.0784	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.13	JB	0.0856	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	2.25	JB	0.108	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.61	JB	0.0702	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	3.13	JB	0.0802	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.05	JB	0.0710	MDL	5.34	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.178	JB	0.0240	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.958	J	0.144	MDL	1.07	PQL	ng/Kg	J	Z
OCDD	11200	EB	0.281	MDL	10.7	PQL	ng/Kg	J	*XI

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:38:08 PM

ADR version 1.4.0.111

Page 8 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-127-SA5DN-SS-0.0-0.5

Collected: 6/1/2011 11:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.782	JB	0.0657	MDL	4.95	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	3.28	JB	0.101	MDL	4.95	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.09	JB	0.0561	MDL	4.95	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.611	JB	0.0551	MDL	4.95	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.444	JB	0.0601	MDL	4.95	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.85	JB	0.0701	MDL	4.95	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.921	JB	0.0721	MDL	4.95	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.777	JB	0.0533	MDL	4.95	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.01	JB	0.0678	MDL	4.95	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.152	JB	0.0232	MDL	0.991	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.651	J	0.118	MDL	0.991	PQL	ng/Kg	J	Z

Sample ID: SL-128-SA5DN-SS-0.0-0.5

Collected: 6/1/2011 9:20:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.65	JB	0.0356	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.219	JBQ	0.0419	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.226	JB	0.0520	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.475	JB	0.0401	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.945	JB	0.0542	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.263	JB	0.0393	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.717	JB	0.0518	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.301	JB	0.0428	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.168	JBQ	0.0246	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	1.24	JB	0.0361	MDL	5.54	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.159	JB	0.0382	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.597	JB	0.0334	MDL	5.54	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0259	JBQ	0.0155	MDL	1.11	PQL	ng/Kg	U	B
OCDF	8.03	JB	0.0441	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-129-SA5DN-SS-0.0-0.5

Collected: 6/1/2011 8:50:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	3.94	JB	0.106	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.59	JB	0.102	MDL	5.20	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:38:08 PM

ADR version 1.4.0.111

Page 9 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-129-SA5DN-SS-0.0-0.5

Collected: 6/1/2011 8:50:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	2.42	JB	0.100	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.35	JB	0.0853	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.571	JB	0.107	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.25	JB	0.120	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.61	JB	0.0683	MDL	5.20	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.83	JB	0.0921	MDL	5.20	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.23	JB	0.0718	MDL	5.20	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.133	JBQ	0.0321	MDL	1.04	PQL	ng/Kg	J	Z

Sample ID: SL-130-SA5DN-SS-0.0-0.5

Collected: 6/1/2011 8:30:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	5270	EB	0.850	MDL	5.13	PQL	ng/Kg	J	*XI
1,2,3,7,8,9-HXCDF	5.05	JB	0.124	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	3.23	JB	0.0589	MDL	5.13	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	3.57	JB	0.0578	MDL	5.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.809	J	0.0921	MDL	1.03	PQL	ng/Kg	J	Z
OCDD	180000	EB	1.32	MDL	10.3	PQL	ng/Kg	J	*XI

Sample ID: SL-148-SA5DN-SS-0.0-0.5

Collected: 6/1/2011 3:50:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.70	JB	0.0236	MDL	5.10	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.280	JB	0.0337	MDL	5.10	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.373	JB	0.0569	MDL	5.10	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.470	JB	0.0345	MDL	5.10	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.40	JB	0.0601	MDL	5.10	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.267	JBQ	0.0321	MDL	5.10	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.42	JB	0.0587	MDL	5.10	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.936	JB	0.0388	MDL	5.10	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.305	JB	0.0344	MDL	5.10	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.447	JB	0.0277	MDL	5.10	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.272	JBQ	0.0322	MDL	5.10	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.579	JB	0.0268	MDL	5.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0239	JB	0.0122	MDL	1.02	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:38:08 PM

ADR version 1.4.0.111

Page 10 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-148-SA5DN-SS-0.0-0.5

Collected: 6/1/2011 3:50:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDF	0.345	J	0.0557	MDL	1.02	PQL	ng/Kg	J	Z
OCDF	7.55	JB	0.0381	MDL	10.2	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:38:08 PM

ADR version 1.4.0.111

Page 11 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*XI	Compound Quantitation and Reported CRQLs
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Laboratory Triplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:38:08 PM

ADR version 1.4.0.111

Page 12 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Laboratory Triplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:38:08 PM

ADR version 1.4.0.111

Page 13 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Q	Matrix Spike Upper Rejection
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:38:08 PM

ADR version 1.4.0.111

Page 14 of 14

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX096

Method Blank Outlier Report

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1590B371300	6/10/2011 1:00:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF OCDD OCDF	0.182 ng/Kg 0.118 ng/Kg 0.0736 ng/Kg 0.0419 ng/Kg 0.0475 ng/Kg 0.0307 ng/Kg 0.0493 ng/Kg 0.0427 ng/Kg 0.0885 ng/Kg 0.0269 ng/Kg 0.0739 ng/Kg 0.0558 ng/Kg 0.425 ng/Kg 0.342 ng/Kg	SL-100-SA5DN-SS-0.0-0.5
BLK1650B370023	6/24/2011 12:23:00 AM	2,3,7,8-TCDF	0.0824 ng/Kg	DUP-11-SA5DN-QC-060111 SL-015-SA5DN-SB-12.0-13.0 SL-015-SA5DN-SB-4.0-5.0 SL-017-SA5DN-SB-4.0-5.0 SL-017-SA5DN-SB-7.0-8.0 SL-018-SA5DN-SB-4.0-5.0 SL-018-SA5DN-SB-7.5-8.5 SL-105-SA5DN-SS-0.0-0.5 SL-106-SA5DN-SS-0.0-0.5 SL-107-SA5DN-SS-0.0-0.5 SL-108-SA5DN-SS-0.0-0.5 SL-109-SA5DN-SS-0.0-0.5 SL-123-SA5DN-SS-0.0-0.5 SL-124-SA5DN-SS-0.0-0.5 SL-126-SA5DN-SS-0.0-0.5 SL-127-SA5DN-SS-0.0-0.5 SL-128-SA5DN-SS-0.0-0.5 SL-129-SA5DN-SS-0.0-0.5 SL-130-SA5DN-SS-0.0-0.5 SL-148-SA5DN-SS-0.0-0.5
BLK1650B371448	6/17/2011 2:48:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD OCDD OCDF	0.494 ng/Kg 0.0768 ng/Kg 0.0681 ng/Kg 0.0356 ng/Kg 0.0514 ng/Kg 0.0385 ng/Kg 0.0532 ng/Kg 0.0463 ng/Kg 0.0598 ng/Kg 0.0420 ng/Kg 0.0242 ng/Kg 0.0470 ng/Kg 0.0677 ng/Kg 0.0224 ng/Kg 1.06 ng/Kg 0.269 ng/Kg	DUP-11-SA5DN-QC-060111 SL-015-SA5DN-SB-12.0-13.0 SL-015-SA5DN-SB-4.0-5.0 SL-017-SA5DN-SB-4.0-5.0 SL-017-SA5DN-SB-7.0-8.0 SL-018-SA5DN-SB-4.0-5.0 SL-018-SA5DN-SB-7.5-8.5 SL-105-SA5DN-SS-0.0-0.5 SL-106-SA5DN-SS-0.0-0.5 SL-107-SA5DN-SS-0.0-0.5 SL-108-SA5DN-SS-0.0-0.5 SL-109-SA5DN-SS-0.0-0.5 SL-123-SA5DN-SS-0.0-0.5 SL-124-SA5DN-SS-0.0-0.5 SL-126-SA5DN-SS-0.0-0.5 SL-127-SA5DN-SS-0.0-0.5 SL-128-SA5DN-SS-0.0-0.5 SL-129-SA5DN-SS-0.0-0.5 SL-130-SA5DN-SS-0.0-0.5 SL-148-SA5DN-SS-0.0-0.5

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP-11-SA5DN-QC-060111(RES)	2,3,7,8-TCDD	0.0744 ng/Kg	0.0744U ng/Kg
SL-015-SA5DN-SB-12.0-13.0(RES)	1,2,3,4,6,7,8-HPCDD	0.449 ng/Kg	0.449U ng/Kg
SL-015-SA5DN-SB-12.0-13.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0745 ng/Kg	0.0745U ng/Kg
SL-015-SA5DN-SB-12.0-13.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0485 ng/Kg	0.0485U ng/Kg
SL-015-SA5DN-SB-12.0-13.0(RES)	1,2,3,4,7,8-HxCDD	0.0233 ng/Kg	0.0233U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:37:11 PM

ADR version 1.4.0.111

Page 1 of 3

Method Blank Outlier Report

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-015-SA5DN-SB-12.0-13.0(RES)	1,2,3,4,7,8-HXCDF	0.0308 ng/Kg	0.0308U ng/Kg
SL-015-SA5DN-SB-12.0-13.0(RES)	1,2,3,6,7,8-HXCDD	0.0607 ng/Kg	0.0607U ng/Kg
SL-015-SA5DN-SB-12.0-13.0(RES)	1,2,3,6,7,8-HXCDF	0.0175 ng/Kg	0.0175U ng/Kg
SL-015-SA5DN-SB-12.0-13.0(RES)	1,2,3,7,8,9-HXCDD	0.0791 ng/Kg	0.0791U ng/Kg
SL-015-SA5DN-SB-12.0-13.0(RES)	1,2,3,7,8,9-HXCDF	0.0570 ng/Kg	0.0570U ng/Kg
SL-015-SA5DN-SB-12.0-13.0(RES)	1,2,3,7,8-PECDD	0.0372 ng/Kg	0.0372U ng/Kg
SL-015-SA5DN-SB-12.0-13.0(RES)	1,2,3,7,8-PECDF	0.0406 ng/Kg	0.0406U ng/Kg
SL-015-SA5DN-SB-12.0-13.0(RES)	2,3,4,6,7,8-HXCDF	0.0243 ng/Kg	0.0243U ng/Kg
SL-015-SA5DN-SB-12.0-13.0(RES)	2,3,4,7,8-PECDF	0.0825 ng/Kg	0.0825U ng/Kg
SL-015-SA5DN-SB-12.0-13.0(RES)	2,3,7,8-TCDD	0.0224 ng/Kg	0.0224U ng/Kg
SL-015-SA5DN-SB-12.0-13.0(RES)	OCDD	3.71 ng/Kg	3.71U ng/Kg
SL-015-SA5DN-SB-12.0-13.0(RES)	OCDF	0.198 ng/Kg	0.198U ng/Kg
SL-015-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.284 ng/Kg	0.284U ng/Kg
SL-015-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0700 ng/Kg	0.0700U ng/Kg
SL-015-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.103 ng/Kg	0.103U ng/Kg
SL-015-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.182 ng/Kg	0.182U ng/Kg
SL-015-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.116 ng/Kg	0.116U ng/Kg
SL-015-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.179 ng/Kg	0.179U ng/Kg
SL-015-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0799 ng/Kg	0.0799U ng/Kg
SL-015-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.219 ng/Kg	0.219U ng/Kg
SL-015-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0363 ng/Kg	0.0363U ng/Kg
SL-015-SA5DN-SB-4.0-5.0(RES)	OCDF	0.681 ng/Kg	0.681U ng/Kg
SL-017-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.481 ng/Kg	0.481U ng/Kg
SL-017-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0449 ng/Kg	0.0449U ng/Kg
SL-017-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0314 ng/Kg	0.0314U ng/Kg
SL-017-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0520 ng/Kg	0.0520U ng/Kg
SL-017-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0407 ng/Kg	0.0407U ng/Kg
SL-017-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0360 ng/Kg	0.0360U ng/Kg
SL-017-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0284 ng/Kg	0.0284U ng/Kg
SL-017-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0225 ng/Kg	0.0225U ng/Kg
SL-017-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0802 ng/Kg	0.0802U ng/Kg
SL-017-SA5DN-SB-4.0-5.0(RES)	OCDD	1.64 ng/Kg	1.64U ng/Kg
SL-017-SA5DN-SB-4.0-5.0(RES)	OCDF	0.189 ng/Kg	0.189U ng/Kg
SL-017-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDD	0.569 ng/Kg	0.569U ng/Kg
SL-017-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDF	0.109 ng/Kg	0.109U ng/Kg
SL-017-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0967 ng/Kg	0.0967U ng/Kg
SL-017-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,7,8-HxCDD	0.0850 ng/Kg	0.0850U ng/Kg
SL-017-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,7,8-HXCDF	0.0673 ng/Kg	0.0673U ng/Kg
SL-017-SA5DN-SB-7.0-8.0(RES)	1,2,3,6,7,8-HXCDD	0.101 ng/Kg	0.101U ng/Kg
SL-017-SA5DN-SB-7.0-8.0(RES)	1,2,3,6,7,8-HXCDF	0.0802 ng/Kg	0.0802U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:37:11 PM

ADR version 1.4.0.111

Page 2 of 3

Method Blank Outlier Report

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-017-SA5DN-SB-7.0-8.0(RES)	1,2,3,7,8,9-HXCDD	0.165 ng/Kg	0.165U ng/Kg
SL-017-SA5DN-SB-7.0-8.0(RES)	1,2,3,7,8,9-HXCDF	0.0932 ng/Kg	0.0932U ng/Kg
SL-017-SA5DN-SB-7.0-8.0(RES)	1,2,3,7,8-PECDD	0.0754 ng/Kg	0.0754U ng/Kg
SL-017-SA5DN-SB-7.0-8.0(RES)	1,2,3,7,8-PECDF	0.0604 ng/Kg	0.0604U ng/Kg
SL-017-SA5DN-SB-7.0-8.0(RES)	2,3,4,6,7,8-HXCDF	0.0806 ng/Kg	0.0806U ng/Kg
SL-017-SA5DN-SB-7.0-8.0(RES)	2,3,4,7,8-PECDF	0.0865 ng/Kg	0.0865U ng/Kg
SL-017-SA5DN-SB-7.0-8.0(RES)	2,3,7,8-TCDD	0.0333 ng/Kg	0.0333U ng/Kg
SL-017-SA5DN-SB-7.0-8.0(RES)	OCDD	1.38 ng/Kg	1.38U ng/Kg
SL-017-SA5DN-SB-7.0-8.0(RES)	OCDF	0.302 ng/Kg	0.302U ng/Kg
SL-018-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.586 ng/Kg	0.586U ng/Kg
SL-018-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.145 ng/Kg	0.145U ng/Kg
SL-018-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.110 ng/Kg	0.110U ng/Kg
SL-018-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.139 ng/Kg	0.139U ng/Kg
SL-018-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.171 ng/Kg	0.171U ng/Kg
SL-018-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.139 ng/Kg	0.139U ng/Kg
SL-018-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.140 ng/Kg	0.140U ng/Kg
SL-018-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.167 ng/Kg	0.167U ng/Kg
SL-018-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.154 ng/Kg	0.154U ng/Kg
SL-018-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.133 ng/Kg	0.133U ng/Kg
SL-018-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.116 ng/Kg	0.116U ng/Kg
SL-018-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.129 ng/Kg	0.129U ng/Kg
SL-018-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.159 ng/Kg	0.159U ng/Kg
SL-018-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0282 ng/Kg	0.0282U ng/Kg
SL-018-SA5DN-SB-4.0-5.0(RES)	OCDD	4.78 ng/Kg	4.78U ng/Kg
SL-018-SA5DN-SB-4.0-5.0(RES)	OCDF	0.310 ng/Kg	0.310U ng/Kg
SL-018-SA5DN-SB-7.5-8.5(RES)	1,2,3,4,6,7,8-HPCDD	1.11 ng/Kg	1.11U ng/Kg
SL-018-SA5DN-SB-7.5-8.5(RES)	2,3,4,7,8-PECDF	0.297 ng/Kg	0.297U ng/Kg
SL-018-SA5DN-SB-7.5-8.5(RES)	2,3,7,8-TCDD	0.0334 ng/Kg	0.0334U ng/Kg
SL-018-SA5DN-SB-7.5-8.5(RES)	OCDF	1.11 ng/Kg	1.11U ng/Kg
SL-105-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0756 ng/Kg	0.0756U ng/Kg
SL-107-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0355 ng/Kg	0.0355U ng/Kg
SL-108-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0444 ng/Kg	0.0444U ng/Kg
SL-109-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0724 ng/Kg	0.0724U ng/Kg
SL-128-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.219 ng/Kg	0.219U ng/Kg
SL-128-SA5DN-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.263 ng/Kg	0.263U ng/Kg
SL-128-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.168 ng/Kg	0.168U ng/Kg
SL-128-SA5DN-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.159 ng/Kg	0.159U ng/Kg
SL-128-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0259 ng/Kg	0.0259U ng/Kg
SL-148-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.280 ng/Kg	0.280U ng/Kg
SL-148-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0239 ng/Kg	0.0239U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:37:11 PM

ADR version 1.4.0.111

Page 3 of 3

Field Duplicate RPD Report

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-108-SA5DN-SS-0.0-0.5	DUP-11-SA5DN-QC-060111			
MOISTURE	5.3	5.5	4		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-108-SA5DN-SS-0.0-0.5	DUP-11-SA5DN-QC-060111			
1,2,3,4,6,7,8-HPcDD	108	123	13	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPcDF	9.73	10.3	6	50.00	
1,2,3,4,7,8-HxCDD	0.761	0.859	12	50.00	
1,2,3,4,7,8-HxCDF	0.802	0.872	8	50.00	
1,2,3,6,7,8-HxCDD	3.62	4.09	12	50.00	
1,2,3,6,7,8-HxCDF	0.475	0.564	17	50.00	
1,2,3,7,8,9-HxCDD	2.11	2.11	0	50.00	
1,2,3,7,8,9-HxCDF	0.646	0.773	18	50.00	
1,2,3,7,8-PECDD	0.390	0.457	16	50.00	
1,2,3,7,8-PECDF	1.05	0.989	6	50.00	
2,3,4,6,7,8-HxCDF	0.586	0.665	13	50.00	
2,3,4,7,8-PECDF	0.722	0.478	41	50.00	
2,3,7,8-TCDF	0.360	0.344	5	50.00	
OCDD	1790	1950	9	50.00	
OCDF	35.0	37.0	6	50.00	
1,2,3,4,7,8,9-HPcDF	0.827	1.39	51	50.00	J(all detects)
2,3,7,8-TCDD	0.0444	0.0744	51	50.00	

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:34:08 PM

ADR version 1.4.0.111

Page 1 of 1

Reporting Limit Outliers

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-124-SA5DN-SS-0.0-0.5	2,3,7,8-TCDF	B	1.15	1.07	PQL	ng/Kg	
DUP-11-SA5DN-QC-060111	1,2,3,4,7,8,9-HPCDF	JB	1.39	5.28	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.859	5.28	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.872	5.28	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	4.09	5.28	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.564	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.11	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.773	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.457	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.989	5.28	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.665	5.28	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.478	5.28	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0744	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.344	1.06	PQL	ng/Kg	
SL-015-SA5DN-SB-12.0-13.0	1,2,3,4,6,7,8-HPCDD	JB	0.449	5.43	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0745	5.43	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0485	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0233	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0308	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0607	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0175	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0791	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0570	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0372	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0406	5.43	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0243	5.43	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0825	5.43	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0224	1.09	PQL	ng/Kg	
	OCDD	JB	3.71	10.9	PQL	ng/Kg	
	OCDF	JBQ	0.198	10.9	PQL	ng/Kg	
SL-015-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	5.39	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.284	5.56	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0700	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.103	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.182	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.297	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.116	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.340	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.377	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.179	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.187	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0799	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.219	5.56	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0363	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0689	1.11	PQL	ng/Kg	
	OCDF	JB	0.681	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-017-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.481	5.63	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0449	5.63	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0314	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0520	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0407	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0360	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0284	5.63	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0225	5.63	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0802	5.63	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0227	1.13	PQL	ng/Kg	
	OCDD	JB	1.64	11.3	PQL	ng/Kg	
	OCDF	JBQ	0.189	11.3	PQL	ng/Kg	
SL-017-SA5DN-SB-7.0-8.0	1,2,3,4,6,7,8-HPCDD	JB	0.569	5.60	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.109	5.60	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0967	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0850	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0673	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.101	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0802	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.165	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0932	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0754	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0604	5.60	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0806	5.60	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0865	5.60	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0333	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0113	1.12	PQL	ng/Kg	
	OCDD	JB	1.38	11.2	PQL	ng/Kg	
	OCDF	JBQ	0.302	11.2	PQL	ng/Kg	
SL-018-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.586	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.145	5.38	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.110	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.139	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.171	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.139	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.140	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.167	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.154	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.133	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.116	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.129	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.159	5.38	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0282	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0366	1.08	PQL	ng/Kg	
	OCDD	JB	4.78	10.8	PQL	ng/Kg	
	OCDF	JBQ	0.310	10.8	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-018-SA5DN-SB-7.5-8.5	1,2,3,4,6,7,8-HPCDD	JB	1.11	5.50	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.482	5.50	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.365	5.50	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.330	5.50	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.353	5.50	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.364	5.50	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.296	5.50	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.406	5.50	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.356	5.50	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.297	5.50	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.279	5.50	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.323	5.50	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.297	5.50	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0334	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0433	1.10	PQL	ng/Kg	
	OCDD	JB	6.48	11.0	PQL	ng/Kg	
	OCDF	JB	1.11	11.0	PQL	ng/Kg	
SL-100-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.547	5.17	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.595	5.17	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.577	5.17	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.96	5.17	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.337	5.17	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.85	5.17	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.966	5.17	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.364	5.17	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.405	5.17	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.492	5.17	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.512	5.17	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0569	1.03	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.241	1.03	PQL	ng/Kg	
SL-105-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.75	5.31	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.46	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	1.92	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.845	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.34	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.983	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.781	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.06	5.31	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	1.21	5.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.01	5.31	PQL	ng/Kg	
SL-106-SA5DN-SS-0.0-0.5	2,3,7,8-TCDD	JBQ	0.0756	1.06	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.845	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.828	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.884	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.84	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.587	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.91	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	1.06	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.521	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.995	5.27	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.677	5.27	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.698	5.27	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.134	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.250	1.05	PQL	ng/Kg	

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:37:52 PM

ADR version 1.4.0.111

Page 3 of 6

Reporting Limit Outliers

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-107-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.836	5.16	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.902	5.16	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.807	5.16	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.52	5.16	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.649	5.16	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.79	5.16	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.854	5.16	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.612	5.16	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.802	5.16	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.704	5.16	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.767	5.16	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0355	1.03	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.237	1.03	PQL	ng/Kg	
SL-108-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.827	5.25	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.761	5.25	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.802	5.25	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	3.62	5.25	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.475	5.25	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.11	5.25	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.646	5.25	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.390	5.25	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.05	5.25	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.586	5.25	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.722	5.25	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0444	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.360	1.05	PQL	ng/Kg	
SL-109-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.85	5.34	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.897	5.34	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.28	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	3.99	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.676	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.25	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.27	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.463	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.03	5.34	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.943	5.34	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.905	5.34	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0724	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.364	1.07	PQL	ng/Kg	
SL-123-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.11	5.24	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.46	5.24	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.943	5.24	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	4.83	5.24	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.706	5.24	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.41	5.24	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.968	5.24	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.990	5.24	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.21	5.24	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.872	5.24	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.872	5.24	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.163	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.505	1.05	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-124-SA5DN-SS-0.0-0.5	1,2,3,7,8,9-HXCDF	JB	2.85	5.37	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDF	JB	1.61	5.37	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	4.17	5.37	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.567	1.07	PQL	ng/Kg	
SL-126-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	4.76	5.34	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HXCDF	JB	2.53	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	2.14	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.13	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	2.25	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.61	5.34	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	3.13	5.34	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.05	5.34	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.178	1.07	PQL	ng/Kg	
SL-127-SA5DN-SS-0.0-0.5	2,3,7,8-TCDF	J	0.958	1.07	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.782	4.95	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	3.28	4.95	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.09	4.95	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.611	4.95	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.444	4.95	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.85	4.95	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.921	4.95	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.777	4.95	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.01	4.95	PQL	ng/Kg	
SL-128-SA5DN-SS-0.0-0.5	2,3,7,8-TCDD	JB	0.152	0.991	PQL	ng/Kg	J (all detects)
	2,3,7,8-TCDF	J	0.651	0.991	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	2.65	5.54	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.219	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.226	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.475	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.945	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.263	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.717	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.301	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.168	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.24	5.54	PQL	ng/Kg	
SL-129-SA5DN-SS-0.0-0.5	2,3,4,6,7,8-HXCDF	JB	0.159	5.54	PQL	ng/Kg	J (all detects)
	2,3,4,7,8-PECDF	JB	0.597	5.54	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0259	1.11	PQL	ng/Kg	
	OCDF	JB	8.03	11.1	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	3.94	5.20	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	2.59	5.20	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	2.42	5.20	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.35	5.20	PQL	ng/Kg	
SL-130-SA5DN-SS-0.0-0.5	1,2,3,7,8,9-HXCDF	JB	0.571	5.20	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JB	1.25	5.20	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.61	5.20	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.83	5.20	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.23	5.20	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.133	1.04	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	5.05	5.13	PQL	ng/Kg	J (all detects)
SL-130-SA5DN-SS-0.0-0.5	1,2,3,7,8-PECDF	JB	3.23	5.13	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	3.57	5.13	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.809	1.03	PQL	ng/Kg	

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:37:53 PM

ADR version 1.4.0.111

Page 5 of 6

Reporting Limit Outliers

Lab Reporting Batch ID: DX096

Laboratory: LL

EDD Filename: DX096_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-148-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.70	5.10	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.280	5.10	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.373	5.10	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.470	5.10	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.40	5.10	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.267	5.10	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.42	5.10	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.936	5.10	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.305	5.10	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.447	5.10	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.272	5.10	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.579	5.10	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0239	1.02	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.345	1.02	PQL	ng/Kg	
	OCDF	JB	7.55	10.2	PQL	ng/Kg	

LDC #: 6258F

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and Reported CRQLs

Page: 1 of 1
Reviewer: CR
2nd Reviewer: W

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were the correct internal standard (IS), quantitation ions and relative response factors (RRF) used to quantitate the compound?
Y N N/A Compound quantitation and CRQLs were adjusted to reflect all sample dilutions and dry weight factors (if necessary).

#	Date	Sample ID	Finding	Associated Samples	Qualifications
		SL-124-SAF5DN-SS-0.005	1,2,3,4,6,7,8-HPCDD	> Cal Range	J/P
		↓	OCDD	↓	↓
		SL-126-SAF5DN-SS-0.005	OCDD	↓	↓
		SL-136-SAF5DN-SS-0.005	6,7,3,7,8,9-OCDD	↓	↓
		↓	1,2,3,4,6,7,8-HPCDD	↓	↓

Overall Assessment of Data

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Was the overall quality and usability of the data acceptable?

[illegible]

Comments:

SAMPLE DELIVERY GROUP

DX097

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
2-June-2011	SL-138-SA5DN-SS-0.0-0.5	6305936	N	METHOD	1613B	IV
2-June-2011	DUP-12-SA5DN-QC-060211	6305945	FD	METHOD	1613B	IV
2-June-2011	SL-138-SA5DN-SS-0.0-0.5MS	6305937	MS	METHOD	1613B	IV
2-June-2011	SL-138-SA5DN-SS-0.0-0.5MSD	6305938	MSD	METHOD	1613B	IV
2-June-2011	SL-131-SA5DN-SS-0.0-0.5	6305929	N	METHOD	1613B	IV
2-June-2011	SL-132-SA5DN-SS-0.0-0.5	6305930	N	METHOD	1613B	IV
2-June-2011	SL-133-SA5DN-SS-0.0-0.5	6305931	N	METHOD	1613B	IV
2-June-2011	SL-134-SA5DN-SS-0.0-0.5	6305932	N	METHOD	1613B	IV
2-June-2011	SL-135-SA5DN-SS-0.0-0.5	6305933	N	METHOD	1613B	IV
2-June-2011	EB12-SA5DN-SS-060211	6305950	EB	METHOD	1613B	IV
2-June-2011	SL-137-SA5DN-SS-0.0-0.5	6305935	N	METHOD	1613B	IV
2-June-2011	SL-151-SA5DN-SS-0.0-0.5	6305949	N	METHOD	1613B	IV
2-June-2011	SL-139-SA5DN-SS-0.0-0.5	6305939	N	METHOD	1613B	IV
2-June-2011	SL-140-SA5DN-SS-0.0-0.5	6305940	N	METHOD	1613B	IV
2-June-2011	SL-141-SA5DN-SS-0.0-0.5	6305941	N	METHOD	1613B	IV
2-June-2011	SL-142-SA5DN-SS-0.0-0.5	6305942	N	METHOD	1613B	IV
2-June-2011	SL-143-SA5DN-SS-0.0-0.5	6305943	N	METHOD	1613B	IV
2-June-2011	SL-144-SA5DN-SS-0.0-0.5	6305944	N	METHOD	1613B	IV
2-June-2011	SL-145-SA5DN-SS-0.0-0.5	6305946	N	METHOD	1613B	IV
2-June-2011	SL-149-SA5DN-SS-0.0-0.5	6305947	N	METHOD	1613B	IV
2-June-2011	SL-150-SA5DN-SS-0.0-0.5	6305948	N	METHOD	1613B	IV
2-June-2011	SL-136-SA5DN-SS-0.0-0.5	6305934	N	METHOD	1613B	IV

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: AQ

Sample ID: EB12-SA5DN-SS-060211

Collected: 6/2/2011 12:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	4.81	JBQ	0.302	MDL	10.6	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	1.09	JB	0.136	MDL	10.6	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.694	JB	0.174	MDL	10.6	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.245	JBQ	0.209	MDL	10.6	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDF	0.417	JBQ	0.165	MDL	10.6	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDD	0.589	JBQ	0.225	MDL	10.6	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDF	0.446	JB	0.164	MDL	10.6	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDD	0.504	JBQ	0.218	MDL	10.6	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDF	0.517	JB	0.178	MDL	10.6	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.443	JBQ	0.273	MDL	10.6	PQL	pg/L	U	B
2,3,4,6,7,8-HxCDF	0.482	JBQ	0.157	MDL	10.6	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.585	JBQ	0.148	MDL	10.6	PQL	pg/L	U	B
OCDD	10.3	JB	0.304	MDL	21.1	PQL	pg/L	U	B
OCDF	1.60	JBQ	0.432	MDL	21.1	PQL	pg/L	U	B

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP-12-SA5DN-QC-060211

Collected: 6/2/2011 9:45:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.51	JB	0.0259	MDL	5.12	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.390	JB	0.0412	MDL	5.12	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.544	JB	0.0526	MDL	5.12	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.389	JB	0.0309	MDL	5.12	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.19	JB	0.0550	MDL	5.12	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.317	JB	0.0277	MDL	5.12	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HxCDD	1.12	JB	0.0506	MDL	5.12	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.297	JB	0.0345	MDL	5.12	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.410	JBQ	0.0242	MDL	5.12	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.364	JB	0.0136	MDL	5.12	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.301	JB	0.0296	MDL	5.12	PQL	ng/Kg	J	Z, FD
2,3,4,7,8-PECDF	0.310	JBQ	0.0142	MDL	5.12	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDD	0.0893	JB	0.0129	MDL	1.02	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 8:55:29 AM

ADR version 1.4.0.111

Page 1 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP-12-SA5DN-QC-060211

Collected: 6/2/2011 9:45:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDF	0.102	JBQ	0.0260	MDL	1.02	PQL	ng/Kg	J	Z
OCDF	6.99	JB	0.0403	MDL	10.2	PQL	ng/Kg	J	Z

Sample ID: SL-131-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 11:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.60	JB	0.0533	MDL	5.15	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.61	JB	0.0663	MDL	5.15	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.38	JB	0.0579	MDL	5.15	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.743	JB	0.0521	MDL	5.15	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.60	JB	0.0647	MDL	5.15	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.440	JB	0.0518	MDL	5.15	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.824	JB	0.0541	MDL	5.15	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.227	JBQ	0.0335	MDL	5.15	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.996	JB	0.0483	MDL	5.15	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.667	JB	0.0324	MDL	5.15	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0914	JBQ	0.0159	MDL	1.03	PQL	ng/Kg	U	B

Sample ID: SL-132-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 11:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.00	JB	0.0743	MDL	4.96	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	4.47	JB	0.0987	MDL	4.96	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	2.41	JB	0.0735	MDL	4.96	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.961	JB	0.0618	MDL	4.96	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.832	JB	0.0681	MDL	4.96	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	2.13	JB	0.0814	MDL	4.96	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.530	JB	0.0291	MDL	4.96	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.39	JB	0.0602	MDL	4.96	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.946	JB	0.0294	MDL	4.96	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.263	JB	0.0240	MDL	0.992	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.351	JB	0.0607	MDL	0.992	PQL	ng/Kg	J	Z
OCDD	14200	EB	0.268	MDL	9.92	PQL	ng/Kg	J	*XI

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 8:55:29 AM

ADR version 1.4.0.111

Page 2 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-133-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 10:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.340	JB	0.0392	MDL	5.13	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.717	JB	0.0578	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.485	JB	0.0285	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.44	JB	0.0578	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.190	JB	0.0256	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.74	JB	0.0553	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.258	JB	0.0297	MDL	5.13	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.413	JB	0.0295	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.250	JB	0.0183	MDL	5.13	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.274	JB	0.0267	MDL	5.13	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.189	JB	0.0187	MDL	5.13	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0387	JBQ	0.0136	MDL	1.03	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0390	JBQ	0.0332	MDL	1.03	PQL	ng/Kg	U	B

Sample ID: SL-134-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 8:45:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.396	JB	0.0372	MDL	5.16	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.926	JBQ	0.0547	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.713	JB	0.0343	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	3.89	JB	0.0563	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.532	JB	0.0306	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.38	JB	0.0526	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.326	JB	0.0364	MDL	5.16	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.524	JBQ	0.0409	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.402	JB	0.0274	MDL	5.16	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.03	JB	0.0324	MDL	5.16	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.26	JB	0.0261	MDL	5.16	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0504	JBQ	0.0129	MDL	1.03	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0691	JB	0.0380	MDL	1.03	PQL	ng/Kg	U	B

Sample ID: SL-135-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 9:00:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.515	JB	0.0449	MDL	5.00	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 8:55:29 AM

ADR version 1.4.0.111

Page 3 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-135-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 9:00:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HxCDD	0.800	JB	0.0528	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.695	JB	0.0352	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	3.20	JB	0.0539	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.292	JB	0.0302	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.12	JB	0.0502	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.301	JBQ	0.0299	MDL	5.00	PQL	ng/Kg	U	B
1,2,3,7,8-PCDD	0.440	JB	0.0318	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,7,8-PCDF	0.130	JB	0.0166	MDL	5.00	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.356	JB	0.0272	MDL	5.00	PQL	ng/Kg	J	Z
2,3,4,7,8-PCDF	0.332	JB	0.0168	MDL	5.00	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0382	JB	0.0113	MDL	1.00	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0706	JB	0.0290	MDL	1.00	PQL	ng/Kg	U	B

Sample ID: SL-136-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 8:25:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	3.99	JB	0.0313	MDL	5.02	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.312	JB	0.0455	MDL	5.02	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.491	JB	0.0661	MDL	5.02	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.564	JB	0.0370	MDL	5.02	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.87	JB	0.0694	MDL	5.02	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.261	JB	0.0343	MDL	5.02	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.38	JB	0.0649	MDL	5.02	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.407	JBQ	0.0380	MDL	5.02	PQL	ng/Kg	J	Z
1,2,3,7,8-PCDD	0.399	JB	0.0242	MDL	5.02	PQL	ng/Kg	J	Z
1,2,3,7,8-PCDF	0.481	JB	0.0199	MDL	5.02	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.289	JB	0.0358	MDL	5.02	PQL	ng/Kg	J	Z
2,3,4,7,8-PCDF	0.396	JB	0.0200	MDL	5.02	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0723	JB	0.0137	MDL	1.00	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0924	JBQ	0.0296	MDL	1.00	PQL	ng/Kg	J	Z

Sample ID: SL-137-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 9:15:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.72	JB	0.0222	MDL	5.00	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 8:55:29 AM

ADR version 1.4.0.111

Page 4 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-137-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 9:15:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.265	JBQ	0.0313	MDL	5.00	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.375	JB	0.0353	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.525	JB	0.0306	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.976	JB	0.0372	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.301	JBQ	0.0279	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.904	JB	0.0342	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.351	JB	0.0330	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.331	JB	0.0231	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,7,8-PCDF	0.586	JB	0.0197	MDL	5.00	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.279	JB	0.0284	MDL	5.00	PQL	ng/Kg	J	Z
2,3,4,7,8-PCDF	0.422	JB	0.0194	MDL	5.00	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0966	JBQ	0.0133	MDL	1.00	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.172	JBQ	0.0327	MDL	1.00	PQL	ng/Kg	J	Z
OCDF	7.87	JB	0.0330	MDL	10.0	PQL	ng/Kg	J	Z

Sample ID: SL-138-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 9:30:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.55	JB	0.0219	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.230	JBQ	0.0317	MDL	5.13	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.467	JB	0.0424	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.236	JB	0.0274	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.18	JB	0.0445	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.171	JB	0.0253	MDL	5.13	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HxCDD	1.16	JB	0.0423	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.129	JB	0.0291	MDL	5.13	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.307	JB	0.0251	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,7,8-PCDF	0.231	JB	0.0131	MDL	5.13	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.166	JBQ	0.0270	MDL	5.13	PQL	ng/Kg	J	Z, FD
2,3,4,7,8-PCDF	0.168	JB	0.0131	MDL	5.13	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0878	JBQ	0.0128	MDL	1.03	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0662	JBQ	0.0272	MDL	1.03	PQL	ng/Kg	U	B
OCDD	592	B	0.0695	MDL	10.3	PQL	ng/Kg	J	Q
OCDF	7.72	JB	0.0383	MDL	10.3	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 8:55:29 AM

ADR version 1.4.0.111

Page 5 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-139-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 10:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.30	JB	0.0157	MDL	4.95	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.281	JB	0.0267	MDL	4.95	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.235	JB	0.0363	MDL	4.95	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.226	JB	0.0310	MDL	4.95	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.762	JB	0.0378	MDL	4.95	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.181	JB	0.0270	MDL	4.95	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.852	JB	0.0359	MDL	4.95	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.481	JB	0.0331	MDL	4.95	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.205	JB	0.0267	MDL	4.95	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.234	JB	0.00992	MDL	4.95	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.188	JBQ	0.0279	MDL	4.95	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.170	JB	0.0101	MDL	4.95	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0289	JB	0.0127	MDL	0.990	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0547	JBQ	0.0190	MDL	0.990	PQL	ng/Kg	U	B
OCDF	3.22	JB	0.0303	MDL	9.90	PQL	ng/Kg	J	Z

Sample ID: SL-140-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 10:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.882	JB	0.0448	MDL	5.05	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.30	JB	0.0523	MDL	5.05	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.12	JB	0.0431	MDL	5.05	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.573	JB	0.0379	MDL	5.05	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.18	JB	0.0542	MDL	5.05	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.473	JB	0.0467	MDL	5.05	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.662	JB	0.0404	MDL	5.05	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	2.00	JB	0.0334	MDL	5.05	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.639	JB	0.0407	MDL	5.05	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.912	JB	0.0345	MDL	5.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0744	JB	0.0126	MDL	1.01	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.390	JB	0.0790	MDL	1.01	PQL	ng/Kg	J	Z
OCDD	4330	EB	0.117	MDL	10.1	PQL	ng/Kg	J	*XI

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 8:55:30 AM

ADR version 1.4.0.111

Page 6 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-141-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 1:15:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HxCDD	4.04	JB	0.0932	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	2.24	JB	0.0810	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	1.77	JB	0.0784	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.832	JB	0.0859	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.88	JB	0.107	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	2.79	JB	0.0667	MDL	5.32	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	2.41	JB	0.0810	MDL	5.32	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.32	JB	0.0670	MDL	5.32	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.212	JB	0.0321	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.811	JB	0.130	MDL	1.06	PQL	ng/Kg	J	Z
OCDD	4790	EB	0.156	MDL	10.6	PQL	ng/Kg	J	*XI

Sample ID: SL-142-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 2:15:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.13	JB	0.0670	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.34	JB	0.0903	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.931	JB	0.0623	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.758	JB	0.0603	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.05	JB	0.0879	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.605	JB	0.0668	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.704	JBQ	0.0681	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.14	JB	0.0467	MDL	5.19	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	1.09	JB	0.0613	MDL	5.19	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.796	JB	0.0451	MDL	5.19	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0640	JBQ	0.0206	MDL	1.04	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.457	JB	0.0889	MDL	1.04	PQL	ng/Kg	J	Z

Sample ID: SL-143-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 1:35:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.62	JB	0.0813	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.11	JB	0.0947	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	1.32	JB	0.0690	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.923	JB	0.0661	MDL	5.24	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 8:55:30 AM

ADR version 1.4.0.111

Page 7 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-143-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 1:35:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDD	4.78	JB	0.0971	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.937	JB	0.0777	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.19	JB	0.0736	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.31	JB	0.0491	MDL	5.24	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.06	JB	0.0650	MDL	5.24	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.867	JB	0.0478	MDL	5.24	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.150	JB	0.0203	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.612	JB	0.102	MDL	1.05	PQL	ng/Kg	J	Z

Sample ID: SL-144-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 2:35:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.79	JB	0.0249	MDL	5.12	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.226	JBQ	0.0396	MDL	5.12	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.248	JB	0.0496	MDL	5.12	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.266	JB	0.0379	MDL	5.12	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.11	JB	0.0507	MDL	5.12	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.241	JB	0.0343	MDL	5.12	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.23	JB	0.0488	MDL	5.12	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.895	JB	0.0395	MDL	5.12	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.278	JB	0.0314	MDL	5.12	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.388	JB	0.0200	MDL	5.12	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.199	JBQ	0.0350	MDL	5.12	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.327	JB	0.0201	MDL	5.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0507	JB	0.0148	MDL	1.02	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.125	JB	0.0328	MDL	1.02	PQL	ng/Kg	J	Z
OCDF	4.73	JB	0.0425	MDL	10.2	PQL	ng/Kg	J	Z

Sample ID: SL-145-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 2:50:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.69	JB	0.0237	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.286	JB	0.0342	MDL	5.00	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.457	JBQ	0.0508	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.296	JB	0.0346	MDL	5.00	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 8:55:30 AM

ADR version 1.4.0.111

Page 8 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-145-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 2:50:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDD	1.45	JB	0.0531	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.236	JB	0.0318	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.41	JB	0.0516	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.582	JB	0.0337	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.342	JBQ	0.0317	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.353	JBQ	0.0193	MDL	5.00	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.207	JB	0.0307	MDL	5.00	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.360	JB	0.0186	MDL	5.00	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0442	JBQ	0.0128	MDL	1.00	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.144	JB	0.0393	MDL	1.00	PQL	ng/Kg	J	Z
OCDF	8.25	JB	0.0321	MDL	10.0	PQL	ng/Kg	J	Z

Sample ID: SL-149-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 3:25:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.72	JB	0.0181	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.182	JBQ	0.0361	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.243	JB	0.0393	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.279	JB	0.0381	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.09	JB	0.0405	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.223	JB	0.0314	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.40	JB	0.0401	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.32	JB	0.0447	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.247	JB	0.0390	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.569	JB	0.0250	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.210	JB	0.0346	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.394	JB	0.0272	MDL	5.34	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0443	JBQ	0.0151	MDL	1.07	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.179	JB	0.0483	MDL	1.07	PQL	ng/Kg	J	Z
OCDF	4.70	JB	0.0453	MDL	10.7	PQL	ng/Kg	J	Z

Sample ID: SL-150-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 3:05:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	3.61	JB	0.0210	MDL	5.35	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 8:55:30 AM

ADR version 1.4.0.111

Page 9 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-150-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 3:05:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.294	JB	0.0327	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.355	JB	0.0423	MDL	5.35	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.610	JB	0.0394	MDL	5.35	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.49	JB	0.0443	MDL	5.35	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.384	JB	0.0349	MDL	5.35	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.54	JB	0.0429	MDL	5.35	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.02	JB	0.0409	MDL	5.35	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.332	JB	0.0390	MDL	5.35	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.688	JB	0.0281	MDL	5.35	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.324	JB	0.0355	MDL	5.35	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.564	JB	0.0286	MDL	5.35	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0512	JB	0.0143	MDL	1.07	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.387	JB	0.0543	MDL	1.07	PQL	ng/Kg	J	Z
OCDF	8.38	JB	0.0320	MDL	10.7	PQL	ng/Kg	J	Z

Sample ID: SL-151-SA5DN-SS-0.0-0.5

Collected: 6/2/2011 1:50:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.58	JB	0.0135	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.168	JB	0.0280	MDL	5.13	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.138	JB	0.0293	MDL	5.13	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.108	JB	0.0198	MDL	5.13	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	1.60	JB	0.0302	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.175	JBQ	0.0166	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.15	JB	0.0288	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.664	JB	0.0221	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.194	JBQ	0.0292	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.168	JB	0.00966	MDL	5.13	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.103	JB	0.0181	MDL	5.13	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.104	JBQ	0.0105	MDL	5.13	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0237	JBQ	0.0157	MDL	1.03	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0251	JBQ	0.0199	MDL	1.03	PQL	ng/Kg	U	B
OCDF	5.43	JB	0.0334	MDL	10.3	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 8:55:30 AM

ADR version 1.4.0.111

Page 10 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX097

EDD Filename: DX097_v1

Laboratory: LL

eQAPP Name: CDM_SSFL_110509

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 8:55:30 AM

ADR version 1.4.0.111

Page 11 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*XI	Compound Quantitation and CRQLs
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Laboratory Triplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 8:55:30 AM

ADR version 1.4.0.111

Page 12 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Laboratory Triplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 8:55:30 AM

ADR version 1.4.0.111

Page 13 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Q	Matrix Spike Upper Rejection
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 8:55:30 AM

ADR version 1.4.0.111

Page 14 of 14

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX097

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-138-SA5DN-SS-0.0-0.5MS SL-138-SA5DN-SS-0.0-0.5MSD (SL-138-SA5DN-SS-0.0-0.5)	OCDD	24	29	40.00-135.00	-	OCDD	J (all detects) UJ (all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-138-SA5DN-SS-0.0-0.5	DUP-12-SA5DN-QC-060211			
MOISTURE	2.7	2.7	0		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-138-SA5DN-SS-0.0-0.5	DUP-12-SA5DN-QC-060211			
1,2,3,4,6,7,8-HPCDD	31.6	27.1	15	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	2.55	2.51	2	50.00	
1,2,3,4,7,8-HxCDD	0.467	0.544	15	50.00	
1,2,3,4,7,8-HxCDF	0.236	0.389	49	50.00	
1,2,3,6,7,8-HxCDD	1.18	1.19	1	50.00	
1,2,3,7,8,9-HxCDD	1.16	1.12	4	50.00	
1,2,3,7,8-PECDD	0.307	0.410	29	50.00	
1,2,3,7,8-PECDF	0.231	0.364	45	50.00	
2,3,7,8-TCDD	0.0878	0.0893	2	50.00	
2,3,7,8-TCDF	0.0662	0.102	43	50.00	
OCDD	592	512	14	50.00	
OCDF	7.72	6.99	10	50.00	
1,2,3,4,7,8,9-HPCDF	0.230	0.390	52	50.00	J(all detects)
1,2,3,6,7,8-HxCDF	0.171	0.317	60	50.00	
1,2,3,7,8,9-HxCDF	0.129	0.297	79	50.00	
2,3,4,6,7,8-HxCDF	0.166	0.301	58	50.00	
2,3,4,7,8-PECDF	0.168	0.310	59	50.00	

Method Blank Outlier Report

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1610B372350	6/14/2011 11:50:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD OCDD OCDF	5.46 pg/L 1.68 pg/L 1.16 pg/L 0.701 pg/L 0.730 pg/L 0.697 pg/L 0.764 pg/L 1.10 pg/L 0.850 pg/L 0.608 pg/L 0.737 pg/L 0.683 pg/L 0.940 pg/L 0.359 pg/L 13.0 pg/L 5.00 pg/L	EB12-SA5DN-SS-060211

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
EB12-SA5DN-SS-060211(RES)	1,2,3,4,6,7,8-HPCDD	4.81 pg/L	4.81U pg/L
EB12-SA5DN-SS-060211(RES)	1,2,3,4,6,7,8-HPCDF	1.09 pg/L	1.09U pg/L
EB12-SA5DN-SS-060211(RES)	1,2,3,4,7,8,9-HPCDF	0.694 pg/L	0.694U pg/L
EB12-SA5DN-SS-060211(RES)	1,2,3,4,7,8-HxCDD	0.245 pg/L	0.245U pg/L
EB12-SA5DN-SS-060211(RES)	1,2,3,4,7,8-HxCDF	0.417 pg/L	0.417U pg/L
EB12-SA5DN-SS-060211(RES)	1,2,3,6,7,8-HxCDD	0.589 pg/L	0.589U pg/L
EB12-SA5DN-SS-060211(RES)	1,2,3,6,7,8-HxCDF	0.446 pg/L	0.446U pg/L
EB12-SA5DN-SS-060211(RES)	1,2,3,7,8,9-HxCDD	0.504 pg/L	0.504U pg/L
EB12-SA5DN-SS-060211(RES)	1,2,3,7,8,9-HxCDF	0.517 pg/L	0.517U pg/L
EB12-SA5DN-SS-060211(RES)	1,2,3,7,8-PECDD	0.443 pg/L	0.443U pg/L
EB12-SA5DN-SS-060211(RES)	2,3,4,6,7,8-HxCDF	0.482 pg/L	0.482U pg/L
EB12-SA5DN-SS-060211(RES)	2,3,4,7,8-PECDF	0.585 pg/L	0.585U pg/L
EB12-SA5DN-SS-060211(RES)	OCDD	10.3 pg/L	10.3U pg/L
EB12-SA5DN-SS-060211(RES)	OCDF	1.60 pg/L	1.60U pg/L

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 8:54:46 AM

ADR version 1.4.0.111

Page 1 of 3

Method Blank Outlier Report

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1670B371545	6/18/2011 3:45:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD 2,3,7,8-TCDF OCDD OCDF	0.320 ng/Kg 0.0999 ng/Kg 0.0858 ng/Kg 0.0367 ng/Kg 0.0404 ng/Kg 0.0364 ng/Kg 0.0281 ng/Kg 0.0479 ng/Kg 0.0653 ng/Kg 0.0269 ng/Kg 0.0222 ng/Kg 0.0258 ng/Kg 0.0562 ng/Kg 0.0216 ng/Kg 0.0153 ng/Kg 1.42 ng/Kg 0.240 ng/Kg	DUP-12-SA5DN-QC-060211 SL-131-SA5DN-SS-0.0-0.5 SL-132-SA5DN-SS-0.0-0.5 SL-133-SA5DN-SS-0.0-0.5 SL-134-SA5DN-SS-0.0-0.5 SL-135-SA5DN-SS-0.0-0.5 SL-136-SA5DN-SS-0.0-0.5 SL-137-SA5DN-SS-0.0-0.5 SL-138-SA5DN-SS-0.0-0.5 SL-139-SA5DN-SS-0.0-0.5 SL-140-SA5DN-SS-0.0-0.5 SL-141-SA5DN-SS-0.0-0.5 SL-142-SA5DN-SS-0.0-0.5 SL-143-SA5DN-SS-0.0-0.5 SL-144-SA5DN-SS-0.0-0.5 SL-145-SA5DN-SS-0.0-0.5 SL-149-SA5DN-SS-0.0-0.5 SL-150-SA5DN-SS-0.0-0.5 SL-151-SA5DN-SS-0.0-0.5

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP-12-SA5DN-QC-060211(RES)	1,2,3,4,7,8,9-HPCDF	0.390 ng/Kg	0.390U ng/Kg
DUP-12-SA5DN-QC-060211(RES)	1,2,3,7,8,9-HxCDF	0.297 ng/Kg	0.297U ng/Kg
DUP-12-SA5DN-QC-060211(RES)	2,3,7,8-TCDD	0.0893 ng/Kg	0.0893U ng/Kg
SL-131-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0914 ng/Kg	0.0914U ng/Kg
SL-133-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.340 ng/Kg	0.340U ng/Kg
SL-133-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.258 ng/Kg	0.258U ng/Kg
SL-133-SA5DN-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.189 ng/Kg	0.189U ng/Kg
SL-133-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0387 ng/Kg	0.0387U ng/Kg
SL-133-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0390 ng/Kg	0.0390U ng/Kg
SL-134-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.396 ng/Kg	0.396U ng/Kg
SL-134-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.326 ng/Kg	0.326U ng/Kg
SL-134-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0504 ng/Kg	0.0504U ng/Kg
SL-134-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0691 ng/Kg	0.0691U ng/Kg
SL-135-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.301 ng/Kg	0.301U ng/Kg
SL-135-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0382 ng/Kg	0.0382U ng/Kg
SL-135-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0706 ng/Kg	0.0706U ng/Kg
SL-136-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.312 ng/Kg	0.312U ng/Kg
SL-136-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0723 ng/Kg	0.0723U ng/Kg
SL-137-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.265 ng/Kg	0.265U ng/Kg
SL-137-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0966 ng/Kg	0.0966U ng/Kg
SL-138-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.230 ng/Kg	0.230U ng/Kg
SL-138-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.129 ng/Kg	0.129U ng/Kg
SL-138-SA5DN-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.168 ng/Kg	0.168U ng/Kg
SL-138-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0878 ng/Kg	0.0878U ng/Kg
SL-138-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0662 ng/Kg	0.0662U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 8:54:46 AM

ADR version 1.4.0.111

Page 2 of 3

Method Blank Outlier Report

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-139-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.281 ng/Kg	0.281U ng/Kg
SL-139-SA5DN-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.170 ng/Kg	0.170U ng/Kg
SL-139-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0289 ng/Kg	0.0289U ng/Kg
SL-139-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0547 ng/Kg	0.0547U ng/Kg
SL-140-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0744 ng/Kg	0.0744U ng/Kg
SL-142-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0640 ng/Kg	0.0640U ng/Kg
SL-144-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.226 ng/Kg	0.226U ng/Kg
SL-144-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0507 ng/Kg	0.0507U ng/Kg
SL-145-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.286 ng/Kg	0.286U ng/Kg
SL-145-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0442 ng/Kg	0.0442U ng/Kg
SL-149-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.182 ng/Kg	0.182U ng/Kg
SL-149-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0443 ng/Kg	0.0443U ng/Kg
SL-150-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.294 ng/Kg	0.294U ng/Kg
SL-150-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0512 ng/Kg	0.0512U ng/Kg
SL-151-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.168 ng/Kg	0.168U ng/Kg
SL-151-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.138 ng/Kg	0.138U ng/Kg
SL-151-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.108 ng/Kg	0.108U ng/Kg
SL-151-SA5DN-SS-0.0-0.5(RES)	2,3,4,6,7,8-HxCDF	0.103 ng/Kg	0.103U ng/Kg
SL-151-SA5DN-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.104 ng/Kg	0.104U ng/Kg
SL-151-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0237 ng/Kg	0.0237U ng/Kg
SL-151-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0251 ng/Kg	0.0251U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 8:54:46 AM

ADR version 1.4.0.111

Page 3 of 3

Reporting Limit Outliers

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB12-SA5DN-SS-060211	1,2,3,4,6,7,8-HPCDD	JBQ	4.81	10.6	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.09	10.6	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	0.694	10.6	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JBQ	0.245	10.6	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.417	10.6	PQL	pg/L	
	1,2,3,6,7,8-HxCDD	JBQ	0.589	10.6	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JB	0.446	10.6	PQL	pg/L	
	1,2,3,7,8,9-HxCDD	JBQ	0.504	10.6	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JB	0.517	10.6	PQL	pg/L	
	1,2,3,7,8-PECDD	JBQ	0.443	10.6	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.482	10.6	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.585	10.6	PQL	pg/L	
	OCDD	JB	10.3	21.1	PQL	pg/L	
	OCDF	JBQ	1.60	21.1	PQL	pg/L	

Method: 1613B
Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP-12-SA5DN-QC-060211	1,2,3,4,6,7,8-HPCDF	JB	2.51	5.12	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.390	5.12	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.544	5.12	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.389	5.12	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.19	5.12	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.317	5.12	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.12	5.12	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.297	5.12	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.410	5.12	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.364	5.12	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.301	5.12	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.310	5.12	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0893	1.02	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.102	1.02	PQL	ng/Kg	
	OCDF	JB	6.99	10.2	PQL	ng/Kg	
SL-131-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.60	5.15	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.61	5.15	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.38	5.15	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.743	5.15	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.60	5.15	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.440	5.15	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.824	5.15	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.227	5.15	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.996	5.15	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.667	5.15	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0914	1.03	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-132-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.00	4.96	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	4.47	4.96	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	2.41	4.96	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.961	4.96	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.832	4.96	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	2.13	4.96	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.530	4.96	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.39	4.96	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.946	4.96	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.263	0.992	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.351	0.992	PQL	ng/Kg	
SL-133-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.340	5.13	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.717	5.13	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.485	5.13	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.44	5.13	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.190	5.13	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.74	5.13	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.258	5.13	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.413	5.13	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.250	5.13	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.274	5.13	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.189	5.13	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0387	1.03	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0390	1.03	PQL	ng/Kg	
SL-134-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.396	5.16	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	0.926	5.16	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.713	5.16	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	3.89	5.16	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.532	5.16	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.38	5.16	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.326	5.16	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.524	5.16	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.402	5.16	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.03	5.16	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.26	5.16	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0504	1.03	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0691	1.03	PQL	ng/Kg	
SL-135-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.515	5.00	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.800	5.00	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.695	5.00	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	3.20	5.00	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.292	5.00	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.12	5.00	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.301	5.00	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.440	5.00	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.130	5.00	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.356	5.00	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.332	5.00	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0382	1.00	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0706	1.00	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-136-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.99	5.02	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.312	5.02	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.491	5.02	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.564	5.02	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.87	5.02	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.261	5.02	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.38	5.02	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.407	5.02	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.399	5.02	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.481	5.02	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.289	5.02	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.396	5.02	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0723	1.00	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0924	1.00	PQL	ng/Kg	
SL-137-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.72	5.00	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.265	5.00	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.375	5.00	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.525	5.00	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.976	5.00	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.301	5.00	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.904	5.00	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.351	5.00	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.331	5.00	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.586	5.00	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.279	5.00	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.422	5.00	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0966	1.00	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.172	1.00	PQL	ng/Kg	
	OCDF	JB	7.87	10.0	PQL	ng/Kg	
SL-138-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.55	5.13	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.230	5.13	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.467	5.13	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.236	5.13	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.18	5.13	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.171	5.13	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.16	5.13	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.129	5.13	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.307	5.13	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.231	5.13	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.166	5.13	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.168	5.13	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0878	1.03	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0662	1.03	PQL	ng/Kg	
	OCDF	JB	7.72	10.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-139-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.30	4.95	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.281	4.95	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.235	4.95	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.226	4.95	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.762	4.95	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.181	4.95	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.852	4.95	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.481	4.95	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.205	4.95	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.234	4.95	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.188	4.95	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.170	4.95	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0289	0.990	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0547	0.990	PQL	ng/Kg	
	OCDF	JB	3.22	9.90	PQL	ng/Kg	
SL-140-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.882	5.05	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.30	5.05	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.12	5.05	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.573	5.05	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.18	5.05	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.473	5.05	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.662	5.05	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	2.00	5.05	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.639	5.05	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.912	5.05	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0744	1.01	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.390	1.01	PQL	ng/Kg	
SL-141-SA5DN-SS-0.0-0.5	1,2,3,4,7,8-HxCDD	JB	4.04	5.32	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HXCDF	JB	2.24	5.32	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.77	5.32	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.832	5.32	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.88	5.32	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	2.79	5.32	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	2.41	5.32	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.32	5.32	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.212	1.06	PQL	ng/Kg	
SL-142-SA5DN-SS-0.0-0.5	2,3,7,8-TCDF	JB	0.811	1.06	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	2.13	5.19	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	1.34	5.19	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.931	5.19	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.758	5.19	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.05	5.19	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.605	5.19	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.704	5.19	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.14	5.19	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.09	5.19	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.796	5.19	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0640	1.04	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.457	1.04	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-143-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.62	5.24	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	2.11	5.24	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.32	5.24	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.923	5.24	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	4.78	5.24	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.937	5.24	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.19	5.24	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.31	5.24	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.06	5.24	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.867	5.24	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.150	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.612	1.05	PQL	ng/Kg	
SL-144-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.79	5.12	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.226	5.12	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.248	5.12	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.266	5.12	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.11	5.12	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.241	5.12	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.23	5.12	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.895	5.12	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.278	5.12	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.388	5.12	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.199	5.12	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.327	5.12	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0507	1.02	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.125	1.02	PQL	ng/Kg	
	OCDF	JB	4.73	10.2	PQL	ng/Kg	
SL-145-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.69	5.00	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.286	5.00	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.457	5.00	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.296	5.00	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.45	5.00	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.236	5.00	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.41	5.00	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.582	5.00	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.342	5.00	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.353	5.00	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.207	5.00	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.360	5.00	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0442	1.00	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.144	1.00	PQL	ng/Kg	
	OCDF	JB	8.25	10.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX097

Laboratory: LL

EDD Filename: DX097_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-149-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.72	5.34	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.182	5.34	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.243	5.34	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.279	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.09	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.223	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.40	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.32	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.247	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.569	5.34	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.210	5.34	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.394	5.34	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0443	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.179	1.07	PQL	ng/Kg	
	OCDF	JB	4.70	10.7	PQL	ng/Kg	
SL-150-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.61	5.35	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.294	5.35	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.355	5.35	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.610	5.35	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.49	5.35	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.384	5.35	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.54	5.35	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.02	5.35	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.332	5.35	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.688	5.35	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.324	5.35	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.564	5.35	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0512	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.387	1.07	PQL	ng/Kg	
	OCDF	JB	8.38	10.7	PQL	ng/Kg	
SL-151-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.58	5.13	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.168	5.13	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.138	5.13	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.108	5.13	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.60	5.13	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.175	5.13	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.15	5.13	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.664	5.13	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.194	5.13	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.168	5.13	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.103	5.13	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.104	5.13	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0237	1.03	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0251	1.03	PQL	ng/Kg	
	OCDF	JB	5.43	10.3	PQL	ng/Kg	

Enclosure II

EPA Level IV Validation Reports

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Santa Susana Field Laboratory

Collection Date: June 2, 2011

LDC Report Date: September 26, 2011

Matrix: Soil/Water

Parameters: Dioxins/Dibenzofurans

Validation Level: Level IV

Laboratory: Lancaster Laboratories

Sample Delivery Group (SDG): DX097

Sample Identification

SL-131-SA5DN-SS-0.0-0.5	SL-138-SA5DN-SS-0.0-0.5MS
SL-132-SA5DN-SS-0.0-0.5	SL-138-SA5DN-SS-0.0-0.5MSD
SL-133-SA5DN-SS-0.0-0.5	
SL-134-SA5DN-SS-0.0-0.5	
SL-135-SA5DN-SS-0.0-0.5	
SL-136-SA5DN-SS-0.0-0.5	
SL-137-SA5DN-SS-0.0-0.5	
SL-138-SA5DN-SS-0.0-0.5	
SL-139-SA5DN-SS-0.0-0.5	
SL-140-SA5DN-SS-0.0-0.5	
SL-141-SA5DN-SS-0.0-0.5	
SL-142-SA5DN-SS-0.0-0.5	
SL-143-SA5DN-SS-0.0-0.5	
SL-144-SA5DN-SS-0.0-0.5	
DUP-12-SA5DN-QC-060211	
SL-145-SA5DN-SS-0.0-0.5	
SL-149-SA5DN-SS-0.0-0.5	
SL-150-SA5DN-SS-0.0-0.5	
SL-151-SA5DN-SS-0.0-0.5	
EB12-SA5DN-SS-060211	

Introduction

This data review covers 21 soil samples and one water sample listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 1613B for Polychlorinated Dioxins/Dibenzofurans.

This review follows the Quality Assurance Project Plan for Santa Susana Field Laboratory (SSFL), RCRA Facility Investigation, Surficial Media Operable Unit (March 2009, Revision 4) and the USEPA Contract Laboratory Program National Functional Guidelines for Polychlorinated Dioxins/Dibenzofurans Data Review (September 2005).

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- NJ Presumptive evidence of presence of the compound at an estimated quantity.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. HRGC/HRMS Instrument Performance Check

Instrument performance was checked at the required daily frequency.

The chromatographic resolution between 2,3,7,8-TCDD and the peaks representing any other unlabeled TCDD isomers was resolved with a valley of less than or equal to 25%.

PFK and static resolving power were within validation criteria.

III. Initial Calibration

A five point initial calibration was performed as required by the method.

Percent relative standard deviations (%RSD) were less than or equal to 20.0% for unlabeled compounds and less than or equal to 35.0% for labeled compounds.

The ion abundance ratios for all PCDDs and PCDFs were within validation criteria.

The minimum S/N ratio was greater than or equal to 10 for each unlabeled compound and labeled compound.

IV. Routine Calibration (Continuing)

Routine calibration was performed at the required frequencies.

All of the routine calibration percent differences (%D) between the initial calibration RRF and the routine calibration RRF were within QC limits.

The ion abundance ratios for all PCDDs and PCDFs were within validation criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polychlorinated dioxin/dibenzofuran contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Extraction Date	Compound	Concentration	Associated Samples
11161005-MB	6/11/11	2,3,7,8-TCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.359 pg/L 0.737 pg/L 0.940 pg/L 0.608 pg/L 0.730 pg/L 0.764 pg/L 0.683 pg/L 0.701 pg/L 0.697 pg/L 1.10 pg/L 0.850 pg/L 1.68 pg/L 5.46 pg/L 1.16 pg/L 13.0 pg/L 5.00 pg/L	All water samples in SDG DX097
11167001-MB	6/16/11	2,3,7,8-TCDF 2,3,7,8-TCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.0153 ng/Kg 0.0216 ng/Kg 0.0222 ng/Kg 0.0562 ng/Kg 0.0269 ng/Kg 0.0404 ng/Kg 0.0281 ng/Kg 0.0258 ng/Kg 0.0367 ng/Kg 0.0364 ng/Kg 0.0479 ng/Kg 0.0653 ng/Kg 0.0999 ng/Kg 0.320 ng/Kg 0.0858 ng/Kg 1.42 ng/Kg 0.240 ng/Kg	All soil samples in SDG DX097

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Compound	Reported Concentration	Modified Final Concentration
EB12-SA5DN-SS-060211	2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.585 pg/L 0.443 pg/L 0.417 pg/L 0.446 pg/L 0.482 pg/L 0.245 pg/L 0.589 pg/L 0.504 pg/L 0.517 pg/L 1.09 pg/L 4.81 pg/L 0.694 pg/L 10.3 pg/L 1.60 pg/L	0.585U pg/L 0.443U pg/L 0.417U pg/L 0.446U pg/L 0.482U pg/L 0.245U pg/L 0.589U pg/L 0.504U pg/L 0.517U pg/L 1.09U pg/L 4.81U pg/L 0.694U pg/L 10.3U pg/L 1.60U pg/L
SL-131-SA5DN-SS-0.0-0.5	2,3,7,8-TCDD	0.0914 ng/Kg	0.0914U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-133-SA5DN-SS-0.0-0.5	2,3,7,8-TCDF 2,3,7,8-TCDD 2,3,4,7,8-PeCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	0.0390 ng/Kg 0.0387 ng/Kg 0.189 ng/Kg 0.258 ng/Kg 0.340 ng/Kg	0.0390U ng/Kg 0.0387U ng/Kg 0.189U ng/Kg 0.258U ng/Kg 0.340U ng/Kg
SL-134-SA5DN-SS-0.0-0.5	2,3,7,8-TCDF 2,3,7,8-TCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	0.0691 ng/Kg 0.0504 ng/Kg 0.326 ng/Kg 0.396 ng/Kg	0.0691U ng/Kg 0.0504U ng/Kg 0.326U ng/Kg 0.396U ng/Kg
SL-135-SA5DN-SS-0.0-0.5	2,3,7,8-TCDF 2,3,7,8-TCDD 1,2,3,7,8,9-HxCDF	0.0706 ng/Kg 0.0382 ng/Kg 0.301 ng/Kg	0.0706U ng/Kg 0.0382U ng/Kg 0.301U ng/Kg
SL-136-SA5DN-SS-0.0-0.5	2,3,7,8-TCDD 1,2,3,4,7,8,9-HpCDF	0.0723 ng/Kg 0.312 ng/Kg	0.0723U ng/Kg 0.312U ng/Kg
SL-137-SA5DN-SS-0.0-0.5	2,3,7,8-TCDD 1,2,3,4,7,8,9-HpCDF	0.0966 ng/Kg 0.265 ng/Kg	0.0966U ng/Kg 0.265U ng/Kg
SL-138-SA5DN-SS-0.0-0.5	2,3,7,8-TCDF 2,3,7,8-TCDD 2,3,4,7,8-PeCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	0.0662 ng/Kg 0.0878 ng/Kg 0.168 ng/Kg 0.129 ng/Kg 0.230 ng/Kg	0.0662U ng/Kg 0.0878U ng/Kg 0.168U ng/Kg 0.129U ng/Kg 0.230U ng/Kg
SL-139-SA5DN-SS-0.0-0.5	2,3,7,8-TCDF 2,3,7,8-TCDD 2,3,4,7,8-PeCDF 1,2,3,4,7,8,9-HpCDF	0.00547 ng/Kg 0.0289 ng/Kg 0.170 ng/Kg 0.281 ng/Kg	0.00547U ng/Kg 0.0289U ng/Kg 0.170U ng/Kg 0.281U ng/Kg
SL-140-SA5DN-SS-0.0-0.5	2,3,7,8-TCDD	0.0744 ng/Kg	0.0744U ng/Kg
SL-142-SA5DN-SS-0.0-0.5	2,3,7,8-TCDD	0.0640 ng/Kg	0.0640U ng/Kg
SL-144-SA5DN-SS-0.0-0.5	2,3,7,8-TCDD 1,2,3,4,7,8,9-HpCDF	0.0507 ng/Kg 0.226 ng/Kg	0.0507U ng/Kg 0.226U ng/Kg
DUP-12-SA5DN-QC-060211	2,3,7,8-TCDD 2,3,4,7,8-PeCDF 1,2,3,4,7,8,9-HpCDF	0.0893 ng/Kg 0.297 ng/Kg 0.390 ng/Kg	0.0893U ng/Kg 0.297U ng/Kg 0.390U ng/Kg
SL-145-SA5DN-SS-0.0-0.5	2,3,7,8-TCDD 1,2,3,4,7,8,9-HpCDF	0.0422 ng/Kg 0.286 ng/Kg	0.0422U ng/Kg 0.286U ng/Kg
SL-149-SA5DN-SS-0.0-0.5	2,3,7,8-TCDD 1,2,3,4,7,8,9-HpCDF	0.0443 ng/Kg 0.182 ng/Kg	0.0443U ng/Kg 0.182U ng/Kg
SL-150-SA5DN-SS-0.0-0.5	2,3,7,8-TCDD 1,2,3,4,7,8,9-HpCDF	0.0512 ng/Kg 0.294 ng/Kg	0.0512U ng/Kg 0.294U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-151-SA5DN-SS-0.0-0.5	2,3,7,8-TCDF 2,3,7,8-TCDD 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8,9-HpCDF	0.0251 ng/Kg 0.0237 ng/Kg 0.104 ng/Kg 0.108 ng/Kg 0.103 ng/Kg 0.138 ng/Kg 0.168 ng/Kg	0.0251U ng/Kg 0.0237U ng/Kg 0.104U ng/Kg 0.108U ng/Kg 0.103U ng/Kg 0.138U ng/Kg 0.168U ng/Kg

Sample EB12-SA5DN-SS-060211 was identified as an equipment blank. No polychlorinated dioxin/dibenzofuran contaminants were found with the following exceptions:

Equipment Blank ID	Sampling Date	Compound	Concentration	Associated Samples
EB12-SA5DN-SS-060211	6/2/11	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.443 pg/L 0.245 pg/L 0.589 pg/L 0.504 pg/L 4.81 pg/L 10.3 pg/L 0.585 pg/L 0.417 pg/L 0.446 pg/L 0.517 pg/L 0.482 pg/L 1.09 pg/L 0.694 pg/L 1.60 pg/L	All soil samples in SDG DX097

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within the QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
SL-138-SA5DN-SS-0.0-0.5MS/MSD (SL-138-SA5DN-SS-0.0-0.5)	OCDD	24 (40-135)	29 (40-135)	-	J (all detects) UJ (all non-detects)	A

VII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. The percent recoveries (%R) were within the QC limits.

VIII. Regional Quality Assurance and Quality Control

Not applicable.

IX. Internal Standards

All internal standard recoveries were within QC limits.

X. Target Compound Identifications

All target compound identifications were within validation criteria.

XI. Compound Quantitation and RLs

All compound quantitation and RLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
SL-132-SA5DN-SS-0.0-0.5 SL-140-SA5DN-SS-0.0-0.5 SL-141-SA5DN-SS-0.0-0.5	OCDD	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	P

All compounds reported below the RL were qualified as follows:

Sample	Finding	Flag	A or P
All samples in SDG DX097	All compounds reported below the RL.	J (all detects)	A

XII. System Performance

The system performance was acceptable.

XIII. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

XIV. Field Duplicates

Samples SL-138-SA5DN-SS-0.0-0.5 and DUP-12-SA5DN-QC-060211 were identified as field duplicates. No polychlorinated dioxins/dibenzofurans were detected in any of the samples with the following exceptions:

Compound	Concentration (ng/Kg)		RPD (Limits)	Flags	A or P
	SL-138-SA5DN-SS-0.0-0.5	DUP-12-SA5DN-QC-060211			
2,3,7,8-TCDF	0.0662	0.102	43 (≤50)	-	-
2,3,7,8-TCDD	0.0878	0.0893	2 (≤50)	-	-
1,2,3,7,8-PeCDF	0.231	0.364	45 (≤50)	-	-
2,3,4,7,8-PeCDF	0.168	0.310	59 (≤50)	J (all detects)	A
1,2,3,7,8-PeCDD	0.307	0.410	29 (≤50)	-	-
1,2,3,4,7,8-HxCDF	0.236	0.389	49 (≤50)	-	-
1,2,3,6,7,8-HxCDF	0.171	0.317	60 (≤50)	J (all detects)	A
2,3,4,6,7,8-HxCDF	0.166	0.301	58 (≤50)	J (all detects)	A
1,2,3,4,7,8-HxCDD	0.467	0.544	15 (≤50)	-	-
1,2,3,6,7,8-HxCDD	1.18	1.19	1 (≤50)	-	-
1,2,3,7,8,9-HxCDD	1.16	1.12	4 (≤50)	-	-
1,2,3,7,8,9-HxCDF	0.129	0.297	79 (≤50)	J (all detects)	A
1,2,3,4,6,7,8-HpCDF	2.55	2.51	2 (≤50)	-	-
1,2,3,4,6,7,8-HpCDD	31.6	27.1	15 (≤50)	-	-
1,2,3,4,7,8,9-HpCDF	0.230	0.390	52 (≤50)	J (all detects)	A
OCDD	592	512	14 (≤50)	-	-
OCDF	7.72	6.99	10 (≤50)	-	-

Santa Susana Field Laboratory
Dioxins/Dibenzofurans - Data Qualification Summary - SDG DX097

SDG	Sample	Compound	Flag	A or P	Reason (Code)
DX097	SL-132-SA5DN-SS-0.0-0.5 SL-140-SA5DN-SS-0.0-0.5 SL-141-SA5DN-SS-0.0-0.5	OCDD	J (all detects)	P	Compound quantitation and RLs (*XI)
DX097	SL-131-SA5DN-SS-0.0-0.5 SL-132-SA5DN-SS-0.0-0.5 SL-133-SA5DN-SS-0.0-0.5 SL-134-SA5DN-SS-0.0-0.5 SL-135-SA5DN-SS-0.0-0.5 SL-136-SA5DN-SS-0.0-0.5 SL-137-SA5DN-SS-0.0-0.5 SL-138-SA5DN-SS-0.0-0.5 SL-139-SA5DN-SS-0.0-0.5 SL-140-SA5DN-SS-0.0-0.5 SL-141-SA5DN-SS-0.0-0.5 SL-142-SA5DN-SS-0.0-0.5 SL-143-SA5DN-SS-0.0-0.5 SL-144-SA5DN-SS-0.0-0.5 DUP-12-SA5DN-QC-060211 SL-145-SA5DN-SS-0.0-0.5 SL-149-SA5DN-SS-0.0-0.5 SL-150-SA5DN-SS-0.0-0.5 SL-151-SA5DN-SS-0.0-0.5 EB12-SA5DN-SS-060211	All compounds reported below the RL.	J (all detects)	A	Compound quantitation and RLs (Z)
DX097	SL-138-SA5DN-SS-0.0-0.5 DUP-12-SA5DN-QC-060211	2,3,4,7,8-PeCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Field duplicates (RPD) (FD)

Santa Susana Field Laboratory
Dioxins/Dibenzofurans - Laboratory Blank Data Qualification Summary - SDG DX097

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX097	EB12-SA5DN-SS-060211	2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.585U pg/L 0.443U pg/L 0.417U pg/L 0.446U pg/L 0.482U pg/L 0.245U pg/L 0.589U pg/L 0.504U pg/L 0.517U pg/L 1.09U pg/L 4.81U pg/L 0.694U pg/L 10.3U pg/L 1.60U pg/L	A	B
DX097	SL-131-SA5DN-SS-0.0-0.5	2,3,7,8-TCDD	0.0914U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX097	SL-133-SA5DN-SS-0.0-0.5	2,3,7,8-TCDF 2,3,7,8-TCDD 2,3,4,7,8-PeCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	0.0390U ng/Kg 0.0387U ng/Kg 0.189U ng/Kg 0.258U ng/Kg 0.340U ng/Kg	A	B
DX097	SL-134-SA5DN-SS-0.0-0.5	2,3,7,8-TCDF 2,3,7,8-TCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	0.0691U ng/Kg 0.0504U ng/Kg 0.326U ng/Kg 0.396U ng/Kg	A	B
DX097	SL-135-SA5DN-SS-0.0-0.5	2,3,7,8-TCDF 2,3,7,8-TCDD 1,2,3,7,8,9-HxCDF	0.0706U ng/Kg 0.0382U ng/Kg 0.301U ng/Kg	A	B
DX097	SL-136-SA5DN-SS-0.0-0.5	2,3,7,8-TCDD 1,2,3,4,7,8,9-HpCDF	0.0723U ng/Kg 0.312U ng/Kg	A	B
DX097	SL-137-SA5DN-SS-0.0-0.5	2,3,7,8-TCDD 1,2,3,4,7,8,9-HpCDF	0.0966U ng/Kg 0.265U ng/Kg	A	B
DX097	SL-138-SA5DN-SS-0.0-0.5	2,3,7,8-TCDF 2,3,7,8-TCDD 2,3,4,7,8-PeCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	0.0662U ng/Kg 0.0878U ng/Kg 0.168U ng/Kg 0.129U ng/Kg 0.230U ng/Kg	A	B
DX097	SL-139-SA5DN-SS-0.0-0.5	2,3,7,8-TCDF 2,3,7,8-TCDD 2,3,4,7,8-PeCDF 1,2,3,4,7,8,9-HpCDF	0.00547U ng/Kg 0.0289U ng/Kg 0.170U ng/Kg 0.281U ng/Kg	A	B
DX097	SL-140-SA5DN-SS-0.0-0.5	2,3,7,8-TCDD	0.0744U ng/Kg	A	B
DX097	SL-142-SA5DN-SS-0.0-0.5	2,3,7,8-TCDD	0.0640U ng/Kg	A	B
DX097	SL-144-SA5DN-SS-0.0-0.5	2,3,7,8-TCDD 1,2,3,4,7,8,9-HpCDF	0.0507U ng/Kg 0.226U ng/Kg	A	B
DX097	DUP-12-SA5DN-QC-060211	2,3,7,8-TCDD 2,3,4,7,8-PeCDF 1,2,3,4,7,8,9-HpCDF	0.0893U ng/Kg 0.297U ng/Kg 0.390U ng/Kg	A	B
DX097	SL-145-SA5DN-SS-0.0-0.5	2,3,7,8-TCDD 1,2,3,4,7,8,9-HpCDF	0.0422U ng/Kg 0.286U ng/Kg	A	B
DX097	SL-149-SA5DN-SS-0.0-0.5	2,3,7,8-TCDD 1,2,3,4,7,8,9-HpCDF	0.0443U ng/Kg 0.182U ng/Kg	A	B
DX097	SL-150-SA5DN-SS-0.0-0.5	2,3,7,8-TCDD 1,2,3,4,7,8,9-HpCDF	0.0512U ng/Kg 0.294U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX097	SL-151-SA5DN-SS-0.0-0.5	2,3,7,8-TCDF 2,3,7,8-TCDD 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8,9-HpCDF	0.0251U ng/Kg 0.0237U ng/Kg 0.104U ng/Kg 0.108U ng/Kg 0.103U ng/Kg 0.138U ng/Kg 0.168U ng/Kg	A	B

Santa Susana Field Laboratory

Dioxins/Dibenzofurans - Field Blank Data Qualification Summary - SDG DX097

No Sample Data Qualified in this SDG

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	Δ	Sampling dates: <u>6/2/11</u>
II.	HRGC/HRMS Instrument performance check	Δ	
III.	Initial calibration	A	% PSD $\leq 20/35$
IV.	Routine calibration/ICV	A	QC limit
V.	Blanks	SW	
VI.	Matrix spike/Matrix spike duplicates	SW	
VII.	Laboratory control samples	A	LC OPR
VIII.	Regional quality assurance and quality control	N	
IX.	Internal standards	Δ	QC limit
X.	Target compound identifications	A	
XI.	Compound quantitation and CRQLs	SW	
XII.	System performance	A	
XIII.	Overall assessment of data	Δ	
XIV.	Field duplicates	SW	D = 8.15
XV.	Field blanks	SW	EB = 20

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples:

soil

1	SL-131-SA5DN-SS-0.0-0.5	11	SL-141-SA5DN-SS-0.0-0.5	21	SL-138-SA5DN-SS-0.0-0.5MS	31	11167001
2	SL-132-SA5DN-SS-0.0-0.5	12	SL-142-SA5DN-SS-0.0-0.5	22	SL-138-SA5DN-SS-0.0-0.5MSD	32	11161005
3	SL-133-SA5DN-SS-0.0-0.5	13	SL-143-SA5DN-SS-0.0-0.5	23		33	
4	SL-134-SA5DN-SS-0.0-0.5	14	SL-144-SA5DN-SS-0.0-0.5	24		34	
5	SL-135-SA5DN-SS-0.0-0.5	15	DUP-12-SA5DN-QC-060211	25		35	
6	SL-136-SA5DN-SS-0.0-0.5	16	SL-145-SA5DN-SS-0.0-0.5	26		36	
7	SL-137-SA5DN-SS-0.0-0.5	17	SL-149-SA5DN-SS-0.0-0.5	27		37	
8	SL-138-SA5DN-SS-0.0-0.5	18	SL-150-SA5DN-SS-0.0-0.5	28		38	
9	SL-139-SA5DN-SS-0.0-0.5	19	SL-151-SA5DN-SS-0.0-0.5	29		39	
10	SL-140-SA5DN-SS-0.0-0.5	20	EB12-SA5DN-SS-060211	30		40	

Notes: _____

Method: Dioxins/Dibenzofurans (EPA SW 846 Method 1613B)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	/			
Cooler temperature criteria was met.	/			
II. GC/MS Instrument performance check				
Was PFK exact mass 380.9760 verified?	/			
Were the retention time windows established for all homologues?	/			
Was the chromatographic resolution between 2,3,7,8-TCDD and peaks representing any other unlabeled TCDD isomers $\leq 25\%$?	/			
Is the static resolving power at least 10,000 (10% valley definition)?	/			
Was the mass resolution adequately check with PFK?	/			
Was the presence of 1,2,8,9-TCDD and 1,3,4,6,8-PeCDF verified?	/			
III. Initial calibration				
Was the initial calibration performed at 5 concentration levels?	/			
Were all percent relative standard deviations (%RSD) $\leq 20\%$ for unlabeled compounds and $\leq 35\%$ for labeled compounds?	/			
Did all calibration standards meet the Ion Abundance Ratio criteria?	/			
Was the signal to noise ratio for each target compound ≥ 2.5 and for each recovery and internal standard > 10 ?	/			
IV. Continuing calibration				
Was a routine calibration performed at the beginning and end of each 12 hour period?	/			
Were all the concentrations for the unlabeled compounds and labeled compounds within the QC limits (Method 1613B, Table 6)?	/			
Did all routine calibration standards meet the Ion Abundance Ratio criteria?	/			
V. Blanks				
Was a method blank associated with every sample in this SDG?	/			
Was a method blank performed for each matrix and concentration?	/			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet?	/			
VI. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	/			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		/		
VII. Laboratory control samples				
Was an LCS analyzed for this SDG?	/			
Was an LCS analyzed per extraction batch?	/			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	/			

Validation Area	Yes	No	NA	Findings/Comments
VIII. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?			<input checked="" type="checkbox"/>	
Were the performance evaluation (PE) samples within the acceptance limits?			<input checked="" type="checkbox"/>	
IX. Internal standards				
Were internal standard recoveries within the 25-150% criteria?	<input checked="" type="checkbox"/>			
Was the minimum S/N ratio of all internal standard peaks > 10?	<input checked="" type="checkbox"/>			
X. Target compound identification				
For 2,3,7,8 substituted congeners with associated labeled standards, were the retention times of the two quantitation peaks within -1 to 3 sec. of the RT of the labeled standard?	<input checked="" type="checkbox"/>			
For 2,3,7,8 substituted congeners without associated labeled standards, were the relative retention times of the two quantitation peaks within 0.005 time units of the RRT measured in the routine calibration?	<input checked="" type="checkbox"/>			
For non-2,3,7,8 substituted congeners, were the retention times of the two quantitation peaks within RT established in the performance check solution?	<input checked="" type="checkbox"/>			
Did compound spectra contain all characteristic ions listed in the table attached?	<input checked="" type="checkbox"/>			
Was the Ion Abundance Ratio for the two quantitation ions within criteria?	<input checked="" type="checkbox"/>			
Was the signal to noise ratio for each target compound and labeled standard \geq 2.5?	<input checked="" type="checkbox"/>			
Does the maximum intensity of each specified characteristic ion coincide within \pm 2 seconds (includes labeled standards)?	<input checked="" type="checkbox"/>			
For PCDF identification, was any signal ($S/N \geq 2.5$, at \pm seconds RT) detected in the corresponding PCDF channel?	<input checked="" type="checkbox"/>			
Was an acceptable lock mass recorded and monitored?	<input checked="" type="checkbox"/>			
XI. Compound quantitation/CRQLs				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	<input checked="" type="checkbox"/>			
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	<input checked="" type="checkbox"/>			
XII. System performance				
System performance was found to be acceptable.	<input checked="" type="checkbox"/>			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	<input checked="" type="checkbox"/>			
XIV. Field duplicates				
Field duplicate pairs were identified in this SDG.	<input checked="" type="checkbox"/>			
Target compounds were detected in the field duplicates.	<input checked="" type="checkbox"/>			
XV. Field blanks				
Field blanks were identified in this SDG.	<input checked="" type="checkbox"/>			
Target compounds were detected in the field blanks.	<input checked="" type="checkbox"/>			

VALIDATION FINDINGS WORKSHEET

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA SW 846 Method 8290) 1613B

A. 2,3,7,8-TCDD	F. 1,2,3,4,6,7,8-HpCDD	K. 1,2,3,4,7,8-HxCDF	P. 1,2,3,4,7,8,9-HpCDF	U. Total HpCDD
B. 1,2,3,7,8-PeCDD	G. OCDD	L. 1,2,3,6,7,8-HxCDF	Q. OCDF	V. Total TCDF
C. 1,2,3,4,7,8-HxCDD	H. 2,3,7,8-TCDF	M. 2,3,4,6,7,8-HxCDF	R. Total TCDD	W. Total PeCDF
D. 1,2,3,6,7,8-HxCDD	I. 1,2,3,7,8-PeCDF	N. 1,2,3,7,8,9-HxCDF	S. Total PeCDD	X. Total HxCDF
E. 1,2,3,7,8,9-HxCDD	J. 2,3,4,7,8-PeCDF	O. 1,2,3,4,6,7,8-HpCDF	T. Total HxCDD	Y. Total HpCDF

Notes:

LDC # 26064A24- 2625092 / **VALIDATION FINDINGS WORKSHEET**

Blanks

Page: 1 of 1
 Reviewer: F2
 2nd Reviewer: h

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were all samples associated with a method blank?

Y N N/A Was a method blank performed for each matrix and whenever a sample extraction was performed?

Y N N/A Was the method blank contaminated?

Blank extraction date: 6/11/11 Blank analysis date: 6/14/11

Associated samples: All water

Conc. units: pg/Kg

(B)

Compound		Blank ID	Sample Identification				
		11161005-MB	5X	20			
A		0.359*	1.795				
I		0.737*	3.685				
J		0.940*	4.7	0.585*U			
B		0.608*	3.04	0.443*U			
K		0.730*	3.65	0.417*U			
L		0.764*	3.82	0.446U			
M		0.683*	3.415	0.482*U			
C		0.701*	3.505	0.245*U			
D		0.697*	3.485	0.589*U			
E		1.10	5.5	0.504*U			
N		0.850*	4.25	0.517U			
O		1.68	8.4	1.09U			
F		5.46	27.3	4.81*U			
P		1.16*	5.8	0.694U			
G		13.0	65	10.3U			
Q		5.00	25	1.60*U			

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
 All contaminants within five times the method blank concentration were qualified as not detected, "U".

Conc. units: ng/Kg										
Compound	Blank ID	Sample Identification								
	11167001-MB	5X	1	2	3	4	5	6	7	8
H	0.0153*	0.0765			0.0390*U	0.0691U	0.0706U			0.0662*U
A	0.0216*	0.108	0.0914*U		0.0387*U	0.0504*U	0.0382U	0.0723U	0.0966*U	0.0878*U
I	0.0222*	0.111								
J	0.0562*	0.281			0.189U					0.168U
B	0.0269*	0.1345								
K	0.0404*	0.202								
L	0.0281*	0.1405								
M	0.0258*	0.129								
C	0.0367*	0.1835								
D	0.0364*	0.182								
E	0.0479	0.2395								
N	0.0653	0.3265			0.258U	0.326U	0.301*U			0.129U
O	0.0999	0.4995								
F	0.320	1.6								
P	0.0858*	0.429			0.340U	0.396U		0.312U	0.265*U	0.230*U
G	1.42	7.1								
Q	0.240*	1.2								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
All contaminants within five times the method blank concentration were qualified as not detected, "U".

Conc. units: ng/Kg

Compound	Blank ID	Sample Identification													
	11167001-MB	5X	9	10	11	12	13	14	15	16					
H	0.0153*	0.0765	0.0547*U												
A	0.0216*	0.108	0.0289U	0.0744U		0.0640*U		0.0507U	0.0893U	0.0422*U					
I	0.0222*	0.111													
J	0.0562*	0.281	0.170U												
B	0.0269*	0.1345													
K	0.0404*	0.202													
L	0.0281*	0.1405													
M	0.0258*	0.129													
C	0.0367*	0.1835													
D	0.0364*	0.182													
E	0.0479	0.2395													
N	0.0653	0.3265							0.297U						
O	0.0999	0.4995													
F	0.320	1.6													
P	0.0858*	0.429	0.281U					0.226*U	0.390U	0.286U					
G	1.42	7.1													
Q	0.240*	1.2													

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
All contaminants within five times the method blank concentration were qualified as not detected, "U".

LDC # 26064A24 265092 / **VALIDATION FINDINGS WORKSHEET**

Blanks

Page: 3 of 3
 Reviewer: PT
 2nd Reviewer: PT

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

N N/A Were all samples associated with a method blank?

Y N/A Was a method blank performed for each matrix and whenever a sample extraction was performed? *EMPC

Y N/A Was the method blank contaminated?

Blank extraction date: 6/16/11 Blank analysis date: 6/18/11

Associated samples: All SOIL

Conc. units: ng/Kg

Compound	Blank ID	Sample Identification				
		5X	17	18	19	
	11167001-MB					
H	0.0153*	0.0765			0.0251*U	
A	0.0216*	0.108	0.0443*U	0.0512U	0.0237*U	
I	0.0222*	0.111				
J	0.0562*	0.281			0.104*U	
B	0.0269*	0.1345				
K	0.0404*	0.202			0.108U	
L	0.0281*	0.1405				
M	0.0258*	0.129			0.103U	
C	0.0367*	0.1835			0.138U	
D	0.0364*	0.182				
E	0.0479	0.2395				
N	0.0653	0.3265				
O	0.0999	0.4995				
F	0.320	1.6				
P	0.0858*	0.429	0.182*U	0.294U	0.168U	
G	1.42	7.1				
Q	0.240*	1.2				

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
 All contaminants within five times the method blank concentration were qualified as not detected, "U".

METHOD: GC/MS Dioxins/Dibenzofurans (Method 1613B)

Y/N N/A Were field blanks identified in this SDG?

Blank units: pg/L Associated sample units: ng/kg

Sampling date: 6/2/11

Field blank type: (circle one) Field Blank / Rinsate / Other: EB Associated Samples: ALL SOILS >5X

Compound	Blank ID	Sample Identification				
	20	5X				
B	0.443	2.215				
C	0.245	1.225				
D	0.589	2.945				
E	0.504	2.52				
F	4.81	24.05				
G	10.3	51.5				
J	0.585	2.925				
K	0.417	2.085				
L	0.446	2.23				
N	0.517	2.585				
M	0.482	2.41				
O	1.09	5.45				
P	0.694	3.47				
Q	1.60	8				

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
 Samples with compound concentrations within five times the associated field blank concentration are listed above, these sample results were qualified as not detected, "U".

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA SW 846 Method 8290)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Was a MS/MSD analyzed every 20 samples of each matrix?

Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

[illegible]

METHOD: VOA (EPA Method 8260B)

Y N NA Were field duplicate pairs identified in this SDG?

Y N NA Were target analytes detected in the field duplicate pairs? * empc (FD)

Compound	Concentration (ng/kg)		RPD	
	8	15		
H	0.0662*	0.102*	43	
A	0.0878*	0.0893	2	
I	0.231	0.364	45	
J	0.168	0.310*	59	J/A Det
B	0.307	0.410*	29	
K	0.236	0.389	49	
L	0.171	0.317	60	J/A det
M	0.166*	0.301	58	J/A det
C	0.467	0.544	15	
D	1.18	1.19	1	
E	1.16	1.12	4	
N	0.129	0.297	79	J/A det
O	2.55	2.51	2	
F	31.6	27.1	15	
P	0.230*	0.390	52	J/A det
G	592	512	14	
Q	7.72	6.99	10	

LDC #: 26250521

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation VerificationPage: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$$RRF = (A_s/C_s)/(A_{is}/C_{is})$$

average RRF = sum of the RRFs/number of standards

$$\%RSD = 100 * (S/X)$$

 A_s = Area of compound, C_s = Concentration of compound, S = Standard deviation of the RRFs, X = Mean of the RRFs A_{is} = Area of associated internal standard C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Average RRF (initial)	Recalculated Average RRF (initial)	Reported RRF (std)	Recalculated RRF (std)	Reported %RSD	Recalculated %RSD
				(initial)	(initial)	(std)	(std)		
1	1 CAL SOL	6/3/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	1.017	1.017	1.033	1.033	4.59	4.59
	Int: DF1720		2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.186	1.186	1.186	1.186	3.56	3.56
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	0.995	0.995	1.001	1.001	3.43	3.43
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.077	1.077	1.101	1.101	4.02	4.02
			OCDF (¹³ C-OCDF)	0.945	0.945	0.974	0.974	3.54	3.54
2	1 CAL WATER	6/3/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	0.938	0.938	0.952	0.952	3.68	3.68
	Int: DF1761		2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.141	1.141	1.129	1.129	4.34	4.34
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	0.898	0.898	0.951	0.951	6.50	6.50
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	0.981	0.981	1.037	1.037	4.43	4.43
			OCDF (¹³ C-OCDF)	0.845	0.845	0.917	0.917	2.80	2.80
3			2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)						
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)						
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)						
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)						
			OCDF (¹³ C-OCDF)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET
Routine Calibration Results Verification

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA SW 846 Method 8290)

The percent difference (%) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

$$\% \text{ Difference} = 100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$$
$$\text{RRF} = (A_s)(C_{is}) / (A_{is})(C_s)$$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF A_s = Area of compound,
 C_s = Concentration of compound,
 A_{is} = Area of associated internal standard
 C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Average RRF (initial)	Reported		Recalculated		Reported	Recalculated
					RRF (CC)	RRF (CC)	RRF (CC)	RRF (CC)		
1	CV21:00	6/14/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	10.0	9.940	9.940	9.940	9.940	99	99
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	10.0	9.690	9.690	9.690	9.690	97	97
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	90.0	52.830	52.830	52.830	52.830	106	106
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	50.0	52.630	52.630	52.630	52.630	103	103
			OCDF (¹³ C-OCDF)	100	102.580	102.580	102.580	102.580	103	103
2			2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)							
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)							
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)							
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)							
			OCDF (¹³ C-OCDF)							
3			2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)							
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)							
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)							
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)							
			OCDF (¹³ C-OCDF)							

Comments: Refer to Routine Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET Routine Calibration Results Verification

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

$$\% \text{ Difference} = 100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$$

$$\text{RRF} = (A_s)(C_s) / (A_{is})(C_{is})$$

Where: ave. RRF = initial calibration average RRF

RRF = continuing calibration RRF

A_s = Area of compound,

C_s = Concentration of compound,

A_{is} = Area of associated internal standard

C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Conc. Average RRF (initial)	Reported		Recalculated		Reported	Recalculated
					RRF (CC)	%R	RRF (CC)	%R		
1	CON 12:55	6/18/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	10.0	9.90	99	9.90	99		
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	10.0	9.76	98	9.76	98		
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	50.0	51.116	102	51.110	102		
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	50.0	51.800	104	51.800	104		
			OCDF (¹³ C-OCDF)	100.0	104.260	104	104.260	104		
2	CON 01:23	6/19/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	10.0	10.030	100	10.030	100		
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	10.0	9.840	98	9.840	98		
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	50.0	50.790	102	50.790	102		
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	50.0	51.670	103	51.670	103		
			OCDF (¹³ C-OCDF)	100.0	104.780	105	104.780	105		
3	CON 10:52	6/20/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	10.0	9.960	100	9.960	100		
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	10.0	9.510	95	9.510	95		
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	50.0	52.830	102	52.830	102		
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	50.0	52.620	101	52.620	101		
			OCDF (¹³ C-OCDF)	100.0	103.840	104	103.840	104		

Comments: Refer to Routine Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 26250G21

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA SW 846 Method 1613B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSR - SR)/SA

RPD = $|MSR - MSDR| \cdot \sqrt{2/(MSR + MSDR)}$ MSR = Matrix spike percent recovery MSDR = Matrix spike duplicate percent recovery

MS/MSD samples: 2/422

[illegible]

Comments: Refer to Matrix Spike/Matrix Spike Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

[illegible]

V:\Validation Worksheets\Dioxin90\LCSCLC90.21

Descriptor	Accurate mass ^(a)	Ion ID	Elemental Composition	Analyte	Descriptor	Accurate Mass ^(a)	Ion ID	Elemental Composition	Analyte
1	303.9016	M	C ₁₂ H ₄ ³⁵ Cl ₄ O	TCDF	4	407.7818	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO	HpCDF
	305.8987	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO	TCDF		409.7788	M+4	C ₁₂ H ₃₅ Cl ₃ ³⁷ Cl ₂ O	HpCDF
	315.9419	M	C ₁₂ H ₄ ³⁵ Cl ₄ O	TCDF (S)		417.8250	M	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO	HpCDF (S)
	317.9389	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO	TCDF (S)		419.8220	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO	HpCDF
	319.8965	M	C ₁₂ H ₄ ³⁵ Cl ₄ O ₂	TCDD		423.7767	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO ₂	HpCDF
	321.8936	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO ₂	TCDD		425.7737	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO ₂	HpCDF
	331.9368	M	C ₁₂ H ₄ ³⁵ Cl ₄ O ₂	TCDD (S)		435.8169	M+4	C ₁₂ H ₃₅ Cl ₃ ³⁷ Cl ₂ O ₂	HpCDD
	333.9338	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO ₂	TCDD (S)		437.8140	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO ₂	HpCDD (S)
	375.8364	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO	HxCDF		479.7165	M+4	C ₁₂ H ₃₅ Cl ₃ ³⁷ Cl ₂ O ₂	HpCDD (S)
	[354.9792]	LOCK	C ₉ F ₁₃	PFK		[430.9728]	LOCK	C ₉ F ₁₇	NCDFE
2	339.8597	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO	PeCDF	5	441.7428	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO	OCDF
	341.8567	M+4	C ₁₂ H ₃₅ Cl ₃ ³⁷ Cl ₂ O	PeCDF		443.7399	M+4	C ₁₂ H ₃₅ Cl ₃ ³⁷ Cl ₂ O	OCDF
	351.9000	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO	PeCDF (S)		457.7377	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO ₂	OCDD
	353.8970	M+4	C ₁₂ H ₃₅ Cl ₃ ³⁷ Cl ₂ O	PeCDF (S)		459.7348	M+4	C ₁₂ H ₃₅ Cl ₃ ³⁷ Cl ₂ O ₂	OCDD
	355.8546	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO ₂	PeCDD		469.7780	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO ₂	OCDD (S)
	357.8516	M+4	C ₁₂ H ₃₅ Cl ₃ ³⁷ Cl ₂ O ₂	PeCDD		471.7750	M+4	C ₁₂ H ₃₅ Cl ₃ ³⁷ Cl ₂ O ₂	OCDD (S)
	367.8949	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO ₂	PeCDD (S)		513.6775	M+4	C ₁₂ H ₃₅ Cl ₃ ³⁷ Cl ₂ O ₂	OCDD (S)
	369.8919	M+4	C ₁₂ H ₃₅ Cl ₃ ³⁷ Cl ₂ O ₂	PeCDD (S)		[422.9278]	LOCK	C ₁₂ H ₃₅ Cl ₃ ³⁷ Cl ₂ O	DCDFE
	408.7974	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO	HxCDF					PFK
	[354.9792]	LOCK	C ₉ F ₁₃	PFK					
3	373.8208	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO	HxCDF					
	375.8178	M+4	C ₁₂ H ₃₅ Cl ₃ ³⁷ Cl ₂ O	HxCDF					
	383.8639	M	C ₁₂ H ₄ ³⁵ Cl ₄ O	HxCDF (S)					
	385.8610	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO	HxCDF (S)					
	389.8156	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO ₂	HxCDD					
	391.8127	M+4	C ₁₂ H ₃₅ Cl ₃ ³⁷ Cl ₂ O ₂	HxCDD					
	401.8559	M+2	C ₁₂ H ₃₅ Cl ₃ ³⁷ ClO ₂	HxCDD (S)					
	403.8529	M+4	C ₁₂ H ₃₅ Cl ₃ ³⁷ Cl ₂ O ₂	HxCDD (S)					
	445.7555	M+4	C ₁₂ H ₃₅ Cl ₃ ³⁷ Cl ₂ O	OCDFE					
	[430.9728]	LOCK	C ₉ F ₁₇	PFK					

(a) The following nucleic masses were used:

H = 1.007825
 C = 12.000000
¹³C = 13.003355
 F = 18.9984
 O = 15.994915
³⁵Cl = 34.968853
³⁷Cl = 36.965903

S = internal/recovery standard


SDG #: fuel cover

VALIDATION FINDINGS WORKSHEET

Sample Calculation Verification

Page: 1 of 1

Reviewer: F7

2nd reviewer: 

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA SW 846 Method 8290)

Y N N/A

Were all reported results recalculated and verified for all level IV samples?

Y	N	N/A
---	---	-----

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_u)(I_u)(DF)}{(A_s)(RRF)(V_o)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

RRF = Relative Response Factor (average) from the initial calibration

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices only.

Example:

Sample I.D. #1, OCPD:

$$\text{Conc.} = \frac{(5132421 + 4632181)(4000)}{(654178 + 595708)(1.067)(10.1)(2962)}$$

$$= 3014$$

[illegible]

SAMPLE DELIVERY GROUP

DX098

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
2-June-2011	SL-016-SA5DN-SB-12.0-13.0	6305970	N	METHOD	1613B	III
2-June-2011	SL-021-SA5DN-SB-4.0-5.0	6305971	N	METHOD	1613B	III
2-June-2011	SL-021-SA5DN-SB-19.5-20.5	6305972	N	METHOD	1613B	III
2-June-2011	SL-016-SA5DN-SB-4.0-5.0	6305969	N	METHOD	1613B	III
3-June-2011	SL-158-SA5DN-SS-0.0-0.5	6306866	N	METHOD	1613B	III
3-June-2011	EB14-SA5DN-SB-060311	6306873	EB	METHOD	1613B	III
3-June-2011	EB13-SA5DN-SS-060311	6306874	EB	METHOD	1613B	III
3-June-2011	SL-155-SA5DN-SS-0.0-0.5MS	6306862	MS	METHOD	1613B	III
3-June-2011	SL-155-SA5DN-SS-0.0-0.5MSD	6306863	MSD	METHOD	1613B	III
3-June-2011	SL-152-SA5DN-SS-0.0-0.5	6306858	N	METHOD	1613B	III
3-June-2011	SL-153-SA5DN-SS-0.0-0.5	6306859	N	METHOD	1613B	III
3-June-2011	SL-154-SA5DN-SS-0.0-0.5	6306860	N	METHOD	1613B	III
3-June-2011	SL-155-SA5DN-SS-0.0-0.5	6306861	N	METHOD	1613B	III
3-June-2011	SL-157-SA5DN-SS-0.0-0.5	6306865	N	METHOD	1613B	III
3-June-2011	SL-052-SA5DN-SB-9.0-10.0	6306880	N	METHOD	1613B	III
3-June-2011	SL-159-SA5DN-SS-0.0-0.5	6306867	N	METHOD	1613B	III
3-June-2011	SL-160-SA5DN-SS-0.0-0.5	6306868	N	METHOD	1613B	III
3-June-2011	SL-162-SA5DN-SS-0.0-0.5	6306869	N	METHOD	1613B	III
3-June-2011	SL-166-SA5DN-SS-0.0-0.5	6306870	N	METHOD	1613B	III
3-June-2011	SL-207-SA5DN-SS-0.0-0.5	6306871	N	METHOD	1613B	III
3-June-2011	DUP-13-SA5DN-QC-060311	6306872	N	METHOD	1613B	III
3-June-2011	SL-019-SA5DN-SB-4.0-5.0	6306875	N	METHOD	1613B	III
3-June-2011	SL-019-SA5DN-SB-9.0-10.0	6306876	N	METHOD	1613B	III
3-June-2011	SL-027-SA5DN-SB-4.0-5.0	6306877	N	METHOD	1613B	III
3-June-2011	SL-027-SA5DN-SB-14.0-15.0	6306878	N	METHOD	1613B	III

III = EPA Level 3 Data Review
IV = EPA Level 4 Data Validation

N = Normal Sample
FD = Field Duplicate

TB = Trip Blank
FB = Field Blank

MS = Matrix Spike
MSD = Matrix Spike Duplicate

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
3-June-2011	SL-052-SA5DN-SB-4.0-5.0	6306879	N	METHOD	1613B	III
3-June-2011	SL-156-SA5DN-SS-0.0-0.5	6306864	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: AQ

Sample ID: EB13-SA5DN-SS-060311

Collected: 6/3/2011 1:30:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	4.91	JBQ	0.302	MDL	10.6	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	0.801	JBQ	0.107	MDL	10.6	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.250	JB	0.128	MDL	10.6	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.207	JBQ	0.206	MDL	10.6	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDF	0.399	JBQ	0.184	MDL	10.6	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDD	0.471	JB	0.217	MDL	10.6	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDF	0.391	JB	0.172	MDL	10.6	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDD	0.380	JBQ	0.207	MDL	10.6	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDF	0.324	JBQ	0.184	MDL	10.6	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.312	JBQ	0.158	MDL	10.6	PQL	pg/L	U	B
2,3,4,6,7,8-HxCDF	0.344	JBQ	0.156	MDL	10.6	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.551	JBQ	0.141	MDL	10.6	PQL	pg/L	U	B
2,3,7,8-TCDD	0.320	JBQ	0.272	MDL	2.12	PQL	pg/L	U	B
OCDD	9.11	JB	0.303	MDL	21.2	PQL	pg/L	U	B
OCDF	1.90	JB	0.402	MDL	21.2	PQL	pg/L	U	B

Sample ID: EB14-SA5DN-SB-060311

Collected: 6/3/2011 12:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	4.48	JB	0.293	MDL	10.4	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	0.902	JB	0.114	MDL	10.4	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.283	JB	0.135	MDL	10.4	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDF	0.295	JBQ	0.140	MDL	10.4	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDD	0.373	JBQ	0.195	MDL	10.4	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDF	0.396	JB	0.138	MDL	10.4	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDD	0.560	JB	0.192	MDL	10.4	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDF	0.649	JBQ	0.153	MDL	10.4	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.549	JBQ	0.153	MDL	10.4	PQL	pg/L	U	B
2,3,4,6,7,8-HxCDF	0.397	JB	0.140	MDL	10.4	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.712	JB	0.137	MDL	10.4	PQL	pg/L	U	B
OCDD	9.80	JB	0.276	MDL	20.8	PQL	pg/L	U	B
OCDF	1.73	JBQ	0.408	MDL	20.8	PQL	pg/L	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:14 AM

ADR version 1.4.0.111

Page 1 of 16

Data Qualifier Summary

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: DUP-13-SA5DN-QC-060311

Collected: 6/3/2011 10:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.02	JB	0.0280	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.236	JB	0.0392	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.272	JQ	0.0481	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.303	JB	0.0381	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.958	JB	0.0506	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.179	JB	0.0345	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	1.06	JB	0.0496	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.06	JB	0.0361	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.205	JB	0.0309	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.234	JB	0.0224	MDL	5.19	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.211	JB	0.0332	MDL	5.19	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.227	JB	0.0206	MDL	5.19	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0227	JQ	0.0172	MDL	1.04	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDF	0.123	J	0.0382	MDL	1.04	PQL	ng/Kg	J	Z
OCDF	6.78	JB	0.0419	MDL	10.4	PQL	ng/Kg	J	Z

Sample ID: SL-016-SA5DN-SB-12.0-13.0

Collected: 6/2/2011 10:19:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.14	JB	0.0283	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.143	JBQ	0.00995	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0704	JBQ	0.0210	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0368	JBQ	0.0165	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0865	JBQ	0.0247	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0431	JBQ	0.0167	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0533	JBQ	0.0174	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0397	JBQ	0.0163	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0500	JBQ	0.0229	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0193	JBQ	0.0138	MDL	5.59	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0742	JBQ	0.0154	MDL	5.59	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0783	JQ	0.0152	MDL	5.59	PQL	ng/Kg	J	Z
OCDD	10.9	JB	0.0286	MDL	11.2	PQL	ng/Kg	J	Z
OCDF	0.379	JBQ	0.0543	MDL	11.2	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:15 AM

ADR version 1.4.0.111

Page 2 of 16

Data Qualifier Summary

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-016-SA5DN-SB-4.0-5.0

Collected: 6/2/2011 10:04:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.16	JB	0.0343	MDL	5.90	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.410	JB	0.0189	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.148	JB	0.0193	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0522	JBQ	0.0251	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.128	JB	0.0471	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.240	JBQ	0.0274	MDL	5.90	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.119	JBQ	0.0403	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.337	JB	0.0250	MDL	5.90	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.363	JB	0.0256	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0737	JB	0.0296	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0868	JBQ	0.0162	MDL	5.90	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.139	JB	0.0188	MDL	5.90	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.179	JQ	0.0172	MDL	5.90	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0206	JBQ	0.0191	MDL	1.18	PQL	ng/Kg	U	B
OCDF	1.32	JB	0.0396	MDL	11.8	PQL	ng/Kg	U	B

Sample ID: SL-019-SA5DN-SB-4.0-5.0

Collected: 6/3/2011 11:16:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.313	JB	0.0273	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0493	JBQ	0.0147	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0372	JB	0.0190	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0347	JQ	0.0157	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0308	JB	0.0132	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0405	JBQ	0.0161	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0341	JB	0.0110	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0375	JB	0.0147	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0436	JBQ	0.00998	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0278	JBQ	0.0138	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0279	JB	0.00661	MDL	5.63	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0196	JBQ	0.00824	MDL	5.63	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0636	JBQ	0.00673	MDL	5.63	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0171	JQ	0.0130	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0171	JQ	0.0107	MDL	1.13	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:15 AM

ADR version 1.4.0.111

Page 3 of 16

Data Qualifier Summary

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-019-SA5DN-SB-4.0-5.0

Collected: 6/3/2011 11:16:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDD	1.11	JB	0.0316	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.126	JB	0.0340	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-019-SA5DN-SB-9.0-10.0

Collected: 6/3/2011 2:50:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.30	JB	0.0565	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.116	JBQ	0.0150	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0495	JBQ	0.0209	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0523	JBQ	0.0210	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0700	JBQ	0.0135	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.103	JB	0.0216	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0627	JB	0.0125	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0784	JBQ	0.0214	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0587	JBQ	0.0145	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0890	JBQ	0.0147	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0988	JBQ	0.00802	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0406	JB	0.0128	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0942	JB	0.00768	MDL	5.52	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0365	JQ	0.0126	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0264	JBQ	0.0133	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	0.255	JBQ	0.0422	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-021-SA5DN-SB-19.5-20.5

Collected: 6/2/2011 2:50:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.96	JB	0.0406	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.147	JB	0.0125	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0446	JB	0.0207	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0288	JB	0.0102	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0828	JB	0.0174	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0166	JBQ	0.00869	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0413	JB	0.0161	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0423	JBQ	0.0117	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0251	JBQ	0.00757	MDL	5.56	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:15 AM

ADR version 1.4.0.111

Page 4 of 16

Data Qualifier Summary

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-021-SA5DN-SB-19.5-20.5

Collected: 6/2/2011 2:50:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,7,8-PECDF	0.0400	JBQ	0.00746	MDL	5.56	PQL	ng/Kg	U	B
OCDF	0.357	JBQ	0.0345	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-021-SA5DN-SB-4.0-5.0

Collected: 6/2/2011 2:40:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.04	JB	0.0377	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.229	JB	0.0162	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0776	JBQ	0.0224	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.307	JBQ	0.0412	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.147	JB	0.0237	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.187	JB	0.0228	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.214	JBQ	0.0262	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0400	JBQ	0.0268	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0510	JBQ	0.0214	MDL	5.63	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0914	JB	0.0199	MDL	5.63	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.154	JQ	0.0222	MDL	5.63	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0296	JBQ	0.0194	MDL	1.13	PQL	ng/Kg	U	B
OCDF	0.743	JBQ	0.0460	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-027-SA5DN-SB-14.0-15.0

Collected: 6/3/2011 3:00:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.221	JBQ	0.0239	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0333	JB	0.0107	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0141	JQ	0.0120	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0176	JBQ	0.0133	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0180	JB	0.0113	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0319	JBQ	0.00886	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0110	JBQ	0.00709	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0306	JB	0.00709	MDL	5.53	PQL	ng/Kg	U	B
OCDD	0.839	JB	0.0293	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.0963	JBQ	0.0289	MDL	11.1	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:15 AM

ADR version 1.4.0.111

Page 5 of 16

Data Qualifier Summary

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-027-SA5DN-SB-4.0-5.0

Collected: 6/3/2011 2:50:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.11	JB	0.0416	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.169	JBQ	0.0125	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0356	JBQ	0.0188	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0265	J	0.0219	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0684	JBQ	0.0170	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.218	JB	0.0225	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0228	JBQ	0.0146	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.245	JB	0.0214	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.317	JB	0.0170	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0507	JB	0.0178	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0930	JB	0.00964	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0310	JBQ	0.0148	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0805	JB	0.00941	MDL	5.47	PQL	ng/Kg	U	B
OCDF	0.555	JB	0.0344	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-052-SA5DN-SB-4.0-5.0

Collected: 6/3/2011 4:04:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.389	JBQ	0.0224	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0188	JBQ	0.00759	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0127	JBQ	0.0125	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.179	JB	0.0203	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0164	JB	0.0109	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.341	JB	0.0203	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.352	JB	0.0128	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0415	JBQ	0.00770	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0200	JBQ	0.0112	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0303	JB	0.00759	MDL	5.38	PQL	ng/Kg	U	B
OCDD	1.22	JB	0.0295	MDL	10.8	PQL	ng/Kg	U	B
OCDF	0.0998	JBQ	0.0253	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-052-SA5DN-SB-9.0-10.0

Collected: 6/3/2011 4:08:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.350	JB	0.0268	MDL	5.53	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:15 AM

ADR version 1.4.0.111

Page 6 of 16

Data Qualifier Summary

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-052-SA5DN-SB-9.0-10.0

Collected: 6/3/2011 4:08:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.0238	JBQ	0.00861	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0175	JBQ	0.0121	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0129	JB	0.0103	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0102	JB	0.00884	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0370	JB	0.0140	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.00970	JBQ	0.00781	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0304	JBQ	0.00838	MDL	5.53	PQL	ng/Kg	U	B
OCDD	1.41	JB	0.0365	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.0833	JBQ	0.0255	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-152-SA5DN-SS-0.0-0.5

Collected: 6/3/2011 11:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.968	JB	0.0194	MDL	5.35	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.148	JBQ	0.0286	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.136	J	0.0370	MDL	5.35	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.220	JB	0.0295	MDL	5.35	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.351	JBQ	0.0376	MDL	5.35	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.154	JB	0.0267	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.340	JB	0.0353	MDL	5.35	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.111	JB	0.0339	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0763	JB	0.0209	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.136	JB	0.0156	MDL	5.35	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.160	JB	0.0277	MDL	5.35	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.188	JBQ	0.0147	MDL	5.35	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0200	JQ	0.0141	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0756	JQ	0.0247	MDL	1.07	PQL	ng/Kg	J	Z
OCDF	2.47	JB	0.0314	MDL	10.7	PQL	ng/Kg	J	Z

Sample ID: SL-153-SA5DN-SS-0.0-0.5

Collected: 6/3/2011 12:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.756	JB	0.0227	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.104	JB	0.0334	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0751	J	0.0389	MDL	5.32	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:15 AM

ADR version 1.4.0.111

Page 7 of 16

Data Qualifier Summary

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-153-SA5DN-SS-0.0-0.5

Collected: 6/3/2011 12:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.117	JBQ	0.0282	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.551	JB	0.0400	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0790	JB	0.0244	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.728	JB	0.0385	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.556	JB	0.0275	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.119	JB	0.0260	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.159	JB	0.0178	MDL	5.32	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0865	JBQ	0.0266	MDL	5.32	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.114	JB	0.0174	MDL	5.32	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0465	J	0.0283	MDL	1.06	PQL	ng/Kg	J	Z
OCDF	2.24	JB	0.0333	MDL	10.6	PQL	ng/Kg	J	Z

Sample ID: SL-154-SA5DN-SS-0.0-0.5

Collected: 6/3/2011 11:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.86	JB	0.0191	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.182	JB	0.0290	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.151	J	0.0368	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.220	JB	0.0313	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.867	JB	0.0381	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.144	JB	0.0288	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	1.12	JB	0.0362	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.989	JB	0.0305	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.204	JBQ	0.0341	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.298	JB	0.0174	MDL	5.44	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.132	JB	0.0291	MDL	5.44	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.153	JB	0.0167	MDL	5.44	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0210	J	0.0151	MDL	1.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0525	J	0.0335	MDL	1.09	PQL	ng/Kg	J	Z
OCDF	8.05	JB	0.0252	MDL	10.9	PQL	ng/Kg	J	Z

Sample ID: SL-155-SA5DN-SS-0.0-0.5

Collected: 6/3/2011 10:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.09	JB	0.0262	MDL	5.16	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:15 AM

ADR version 1.4.0.111

Page 8 of 16

Data Qualifier Summary

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-155-SA5DN-SS-0.0-0.5

Collected: 6/3/2011 10:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.243	JBQ	0.0360	MDL	5.16	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.287	JQ	0.0490	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.294	JBQ	0.0356	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.05	JB	0.0527	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.200	JB	0.0331	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.08	JB	0.0507	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.04	JBQ	0.0386	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.203	JBQ	0.0331	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.327	JB	0.0224	MDL	5.16	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.225	JBQ	0.0331	MDL	5.16	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.318	JB	0.0213	MDL	5.16	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0404	J	0.0144	MDL	1.03	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDF	0.169	J	0.0380	MDL	1.03	PQL	ng/Kg	J	Z
OCDF	6.88	JB	0.0362	MDL	10.3	PQL	ng/Kg	J	Z

Sample ID: SL-156-SA5DN-SS-0.0-0.5

Collected: 6/3/2011 9:45:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	3.31	JB	0.0278	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.409	JB	0.0397	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.387	J	0.0509	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.570	JB	0.0447	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.36	JB	0.0527	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.410	JB	0.0408	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.44	JB	0.0498	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.49	JB	0.0443	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.403	JBQ	0.0400	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.685	JB	0.0288	MDL	5.54	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.385	JB	0.0420	MDL	5.54	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.540	JB	0.0274	MDL	5.54	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0667	JQ	0.0188	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.283	J	0.0574	MDL	1.11	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:16 AM

ADR version 1.4.0.111

Page 9 of 16

Data Qualifier Summary

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-157-SA5DN-SS-0.0-0.5

Collected: 6/3/2011 10:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.61	JB	0.0192	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.178	JB	0.0276	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.225	JQ	0.0435	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.400	JBQ	0.0360	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.865	JB	0.0435	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.280	JBQ	0.0328	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.03	JB	0.0418	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.21	JB	0.0357	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.342	JB	0.0320	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.478	JB	0.0248	MDL	5.40	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.270	JB	0.0352	MDL	5.40	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.513	JB	0.0239	MDL	5.40	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0441	J	0.0164	MDL	1.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.290	J	0.0497	MDL	1.08	PQL	ng/Kg	J	Z
OCDF	5.00	JB	0.0315	MDL	10.8	PQL	ng/Kg	J	Z

Sample ID: SL-158-SA5DN-SS-0.0-0.5

Collected: 6/3/2011 10:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.36	JB	0.0189	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.122	JB	0.0281	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.155	J	0.0417	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.297	JB	0.0362	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.751	JB	0.0436	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.202	JB	0.0324	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.866	JB	0.0428	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.07	JB	0.0355	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.196	JB	0.0301	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.330	JB	0.0253	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.199	JB	0.0323	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.388	JB	0.0243	MDL	5.37	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0223	J	0.0172	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.259	J	0.0479	MDL	1.07	PQL	ng/Kg	J	Z
OCDF	4.03	JB	0.0332	MDL	10.7	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:16 AM

ADR version 1.4.0.111

Page 10 of 16

Data Qualifier Summary

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-159-SA5DN-SS-0.0-0.5

Collected: 6/3/2011 9:25:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.58	JB	0.0199	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.154	JBQ	0.0295	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.132	JQ	0.0379	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.475	JB	0.0423	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.958	JB	0.0398	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.235	JB	0.0383	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.13	JB	0.0384	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.35	JB	0.0413	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.183	JB	0.0392	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.925	JB	0.0384	MDL	5.53	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.189	JBQ	0.0375	MDL	5.53	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.575	JB	0.0361	MDL	5.53	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0273	JQ	0.0180	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.532	J	0.108	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	4.96	JB	0.0265	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-160-SA5DN-SS-0.0-0.5

Collected: 6/3/2011 3:00:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.25	JB	0.0298	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.511	JB	0.0188	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0428	JB	0.0264	MDL	5.16	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0618	JQ	0.0318	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0884	JBQ	0.0201	MDL	5.16	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.437	JB	0.0330	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0792	JB	0.0183	MDL	5.16	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.639	JB	0.0315	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.822	JB	0.0193	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0859	JBQ	0.0288	MDL	5.16	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.181	JB	0.0158	MDL	5.16	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0516	JBQ	0.0184	MDL	5.16	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.107	JBQ	0.0154	MDL	5.16	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0193	J	0.0176	MDL	1.03	PQL	ng/Kg	J	Z
OCDF	1.75	JB	0.0234	MDL	10.3	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:16 AM

ADR version 1.4.0.111

Page 11 of 16

Data Qualifier Summary

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-162-SA5DN-SS-0.0-0.5

Collected: 6/3/2011 2:25:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.10	JB	0.0208	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.103	JBQ	0.0231	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.197	J	0.0419	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.348	JBQ	0.0353	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.01	JB	0.0439	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.197	JB	0.0329	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.26	JB	0.0410	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.17	JB	0.0276	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.242	JBQ	0.0404	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.238	JB	0.0223	MDL	5.52	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.179	JBQ	0.0278	MDL	5.52	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.358	JB	0.0211	MDL	5.52	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0410	JQ	0.0157	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.252	J	0.0428	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	2.99	JB	0.0243	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SL-166-SA5DN-SS-0.0-0.5

Collected: 6/3/2011 3:25:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	3.44	JB	0.0261	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.164	JBQ	0.0369	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.204	J	0.0493	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.611	JB	0.0405	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.807	JB	0.0519	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.228	JBQ	0.0373	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.558	JB	0.0477	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.296	JB	0.0408	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.163	JBQ	0.0302	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.602	JB	0.0432	MDL	5.43	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.271	JB	0.0375	MDL	5.43	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.571	JB	0.0405	MDL	5.43	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.659	J	0.109	MDL	1.09	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:16 AM

ADR version 1.4.0.111

Page 12 of 16

Data Qualifier Summary

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-207-SA5DN-SS-0.0-0.5

Collected: 6/3/2011 8:35:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.06	JB	0.0455	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.624	JB	0.0550	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.260	J	0.0676	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.15	JB	0.0714	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	1.32	JB	0.121	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.35	JB	0.0682	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	1.33	JB	0.112	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	2.17	JB	0.100	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	4.47	JB	0.147	MDL	5.29	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	1.28	JB	0.109	MDL	5.29	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	4.12	JB	0.137	MDL	5.29	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.371	J	0.0247	MDL	1.06	PQL	ng/Kg	J	Z
OCDF	6.73	JB	0.0502	MDL	10.6	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:16 AM

ADR version 1.4.0.111

Page 13 of 16

Data Qualifier Summary

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*#	Professional Judgment
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Laboratory Triplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:16 AM

ADR version 1.4.0.111

Page 14 of 16

Data Qualifier Summary

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Laboratory Triplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:16 AM

ADR version 1.4.0.111

Page 15 of 16

Data Qualifier Summary

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Q	Matrix Spike Upper Rejection
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:16 AM

ADR version 1.4.0.111

Page 16 of 16

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX098

Method Blank Outlier Report

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1610B372350	6/14/2011 11:50:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD OCDD OCDF	5.46 pg/L 1.68 pg/L 1.16 pg/L 0.701 pg/L 0.730 pg/L 0.697 pg/L 0.764 pg/L 1.10 pg/L 0.850 pg/L 0.608 pg/L 0.737 pg/L 0.683 pg/L 0.940 pg/L 0.359 pg/L 13.0 pg/L 5.00 pg/L	EB13-SA5DN-SS-060311 EB14-SA5DN-SB-060311

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
EB13-SA5DN-SS-060311(RES)	1,2,3,4,6,7,8-HPCDD	4.91 pg/L	4.91U pg/L
EB13-SA5DN-SS-060311(RES)	1,2,3,4,6,7,8-HPCDF	0.801 pg/L	0.801U pg/L
EB13-SA5DN-SS-060311(RES)	1,2,3,4,7,8,9-HPCDF	0.250 pg/L	0.250U pg/L
EB13-SA5DN-SS-060311(RES)	1,2,3,4,7,8-HxCDD	0.207 pg/L	0.207U pg/L
EB13-SA5DN-SS-060311(RES)	1,2,3,4,7,8-HxCDF	0.399 pg/L	0.399U pg/L
EB13-SA5DN-SS-060311(RES)	1,2,3,6,7,8-HxCDD	0.471 pg/L	0.471U pg/L
EB13-SA5DN-SS-060311(RES)	1,2,3,6,7,8-HxCDF	0.391 pg/L	0.391U pg/L
EB13-SA5DN-SS-060311(RES)	1,2,3,7,8,9-HxCDD	0.380 pg/L	0.380U pg/L
EB13-SA5DN-SS-060311(RES)	1,2,3,7,8,9-HxCDF	0.324 pg/L	0.324U pg/L
EB13-SA5DN-SS-060311(RES)	1,2,3,7,8-PECDF	0.312 pg/L	0.312U pg/L
EB13-SA5DN-SS-060311(RES)	2,3,4,6,7,8-HxCDF	0.344 pg/L	0.344U pg/L
EB13-SA5DN-SS-060311(RES)	2,3,4,7,8-PECDF	0.551 pg/L	0.551U pg/L
EB13-SA5DN-SS-060311(RES)	2,3,7,8-TCDD	0.320 pg/L	0.320U pg/L
EB13-SA5DN-SS-060311(RES)	OCDD	9.11 pg/L	9.11U pg/L
EB13-SA5DN-SS-060311(RES)	OCDF	1.90 pg/L	1.90U pg/L
EB14-SA5DN-SB-060311(RES)	1,2,3,4,6,7,8-HPCDD	4.48 pg/L	4.48U pg/L
EB14-SA5DN-SB-060311(RES)	1,2,3,4,6,7,8-HPCDF	0.902 pg/L	0.902U pg/L
EB14-SA5DN-SB-060311(RES)	1,2,3,4,7,8,9-HPCDF	0.283 pg/L	0.283U pg/L
EB14-SA5DN-SB-060311(RES)	1,2,3,4,7,8-HxCDF	0.295 pg/L	0.295U pg/L
EB14-SA5DN-SB-060311(RES)	1,2,3,6,7,8-HxCDD	0.373 pg/L	0.373U pg/L
EB14-SA5DN-SB-060311(RES)	1,2,3,6,7,8-HxCDF	0.396 pg/L	0.396U pg/L
EB14-SA5DN-SB-060311(RES)	1,2,3,7,8,9-HxCDD	0.560 pg/L	0.560U pg/L
EB14-SA5DN-SB-060311(RES)	1,2,3,7,8,9-HxCDF	0.649 pg/L	0.649U pg/L
EB14-SA5DN-SB-060311(RES)	1,2,3,7,8-PECDF	0.549 pg/L	0.549U pg/L
EB14-SA5DN-SB-060311(RES)	2,3,4,6,7,8-HxCDF	0.397 pg/L	0.397U pg/L
EB14-SA5DN-SB-060311(RES)	2,3,4,7,8-PECDF	0.712 pg/L	0.712U pg/L

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:01 AM

ADR version 1.4.0.111

Page 1 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
EB14-SA5DN-SB-060311(RES)	OCDD	9.80 pg/L	9.80U pg/L
EB14-SA5DN-SB-060311(RES)	OCDF	1.73 pg/L	1.73U pg/L

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1590B372132	6/11/2011 9:32:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,7,8-TCDD OCDD OCDF	0.200 ng/Kg 0.156 ng/Kg 0.109 ng/Kg 0.0371 ng/Kg 0.0750 ng/Kg 0.0439 ng/Kg 0.0456 ng/Kg 0.0360 ng/Kg 0.0768 ng/Kg 0.0516 ng/Kg 0.0331 ng/Kg 0.0650 ng/Kg 0.0249 ng/Kg 0.698 ng/Kg 0.500 ng/Kg	SL-016-SA5DN-SB-12.0-13.0 SL-016-SA5DN-SB-4.0-5.0 SL-021-SA5DN-SB-4.0-5.0
BLK1680B370235	6/24/2011 2:35:00 AM	2,3,7,8-TCDF	0.101 ng/Kg	DUP-13-SA5DN-QC-060311 SL-019-SA5DN-SB-4.0-5.0 SL-021-SA5DN-SB-19.5-20.5 SL-027-SA5DN-SB-14.0-15.0 SL-027-SA5DN-SB-4.0-5.0 SL-052-SA5DN-SB-4.0-5.0 SL-052-SA5DN-SB-9.0-10.0 SL-152-SA5DN-SS-0.0-0.5 SL-153-SA5DN-SS-0.0-0.5 SL-154-SA5DN-SS-0.0-0.5 SL-155-SA5DN-SS-0.0-0.5 SL-156-SA5DN-SS-0.0-0.5 SL-157-SA5DN-SS-0.0-0.5 SL-158-SA5DN-SS-0.0-0.5 SL-159-SA5DN-SS-0.0-0.5 SL-160-SA5DN-SS-0.0-0.5 SL-162-SA5DN-SS-0.0-0.5 SL-166-SA5DN-SS-0.0-0.5 SL-207-SA5DN-SS-0.0-0.5

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:01 AM

ADR version 1.4.0.111

Page 2 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1680B371727	6/20/2011 5:27:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HXCDF 1,2,3,6,7,8-HXCDD 1,2,3,6,7,8-HXCDF 1,2,3,7,8,9-HXCDD 1,2,3,7,8,9-HXCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HXCDF 2,3,4,7,8-PECDF OCDD OCDF	0.354 ng/Kg 0.0766 ng/Kg 0.0537 ng/Kg 0.0253 ng/Kg 0.0449 ng/Kg 0.0371 ng/Kg 0.0269 ng/Kg 0.0358 ng/Kg 0.0289 ng/Kg 0.0201 ng/Kg 0.0289 ng/Kg 0.0487 ng/Kg 1.63 ng/Kg 0.178 ng/Kg	DUP-13-SA5DN-QC-060311 SL-019-SA5DN-SB-4.0-5.0 SL-021-SA5DN-SB-19.5-20.5 SL-027-SA5DN-SB-14.0-15.0 SL-027-SA5DN-SB-4.0-5.0 SL-052-SA5DN-SB-4.0-5.0 SL-052-SA5DN-SB-9.0-10.0 SL-152-SA5DN-SS-0.0-0.5 SL-153-SA5DN-SS-0.0-0.5 SL-154-SA5DN-SS-0.0-0.5 SL-155-SA5DN-SS-0.0-0.5 SL-156-SA5DN-SS-0.0-0.5 SL-157-SA5DN-SS-0.0-0.5 SL-158-SA5DN-SS-0.0-0.5 SL-159-SA5DN-SS-0.0-0.5 SL-160-SA5DN-SS-0.0-0.5 SL-162-SA5DN-SS-0.0-0.5 SL-166-SA5DN-SS-0.0-0.5 SL-207-SA5DN-SS-0.0-0.5
BLK1780B371754	6/28/2011 5:54:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HXCDF 1,2,3,6,7,8-HXCDD 1,2,3,6,7,8-HXCDF 1,2,3,7,8,9-HXCDD 1,2,3,7,8,9-HXCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HXCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDF OCDD OCDF	0.357 ng/Kg 0.113 ng/Kg 0.0781 ng/Kg 0.0572 ng/Kg 0.0465 ng/Kg 0.0570 ng/Kg 0.0500 ng/Kg 0.0780 ng/Kg 0.0771 ng/Kg 0.0470 ng/Kg 0.0379 ng/Kg 0.0295 ng/Kg 0.0563 ng/Kg 0.0118 ng/Kg 0.811 ng/Kg 0.234 ng/Kg	SL-019-SA5DN-SB-9.0-10.0

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP-13-SA5DN-QC-060311(RES)	1,2,3,4,7,8,9-HPCDF	0.236 ng/Kg	0.236U ng/Kg
DUP-13-SA5DN-QC-060311(RES)	1,2,3,6,7,8-HXCDF	0.179 ng/Kg	0.179U ng/Kg
DUP-13-SA5DN-QC-060311(RES)	2,3,4,7,8-PECDF	0.227 ng/Kg	0.227U ng/Kg
SL-016-SA5DN-SB-12.0-13.0(RES)	1,2,3,4,6,7,8-HPCDF	0.143 ng/Kg	0.143U ng/Kg
SL-016-SA5DN-SB-12.0-13.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0704 ng/Kg	0.0704U ng/Kg
SL-016-SA5DN-SB-12.0-13.0(RES)	1,2,3,4,7,8-HxCDD	0.0368 ng/Kg	0.0368U ng/Kg
SL-016-SA5DN-SB-12.0-13.0(RES)	1,2,3,4,7,8-HXCDF	0.0865 ng/Kg	0.0865U ng/Kg
SL-016-SA5DN-SB-12.0-13.0(RES)	1,2,3,6,7,8-HXCDD	0.0431 ng/Kg	0.0431U ng/Kg
SL-016-SA5DN-SB-12.0-13.0(RES)	1,2,3,6,7,8-HXCDF	0.0533 ng/Kg	0.0533U ng/Kg
SL-016-SA5DN-SB-12.0-13.0(RES)	1,2,3,7,8,9-HXCDD	0.0397 ng/Kg	0.0397U ng/Kg
SL-016-SA5DN-SB-12.0-13.0(RES)	1,2,3,7,8,9-HXCDF	0.0500 ng/Kg	0.0500U ng/Kg
SL-016-SA5DN-SB-12.0-13.0(RES)	1,2,3,7,8-PECDF	0.0193 ng/Kg	0.0193U ng/Kg
SL-016-SA5DN-SB-12.0-13.0(RES)	2,3,4,6,7,8-HXCDF	0.0742 ng/Kg	0.0742U ng/Kg
SL-016-SA5DN-SB-12.0-13.0(RES)	OCDF	0.379 ng/Kg	0.379U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:01 AM

ADR version 1.4.0.111

Page 3 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-016-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.410 ng/Kg	0.410U ng/Kg
SL-016-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.148 ng/Kg	0.148U ng/Kg
SL-016-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0522 ng/Kg	0.0522U ng/Kg
SL-016-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.128 ng/Kg	0.128U ng/Kg
SL-016-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.119 ng/Kg	0.119U ng/Kg
SL-016-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-HXCDF	0.363 ng/Kg	0.363U ng/Kg
SL-016-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0737 ng/Kg	0.0737U ng/Kg
SL-016-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0868 ng/Kg	0.0868U ng/Kg
SL-016-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.139 ng/Kg	0.139U ng/Kg
SL-016-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0206 ng/Kg	0.0206U ng/Kg
SL-016-SA5DN-SB-4.0-5.0(RES)	OCDF	1.32 ng/Kg	1.32U ng/Kg
SL-019-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.313 ng/Kg	0.313U ng/Kg
SL-019-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0493 ng/Kg	0.0493U ng/Kg
SL-019-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0372 ng/Kg	0.0372U ng/Kg
SL-019-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0308 ng/Kg	0.0308U ng/Kg
SL-019-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0405 ng/Kg	0.0405U ng/Kg
SL-019-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0341 ng/Kg	0.0341U ng/Kg
SL-019-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0375 ng/Kg	0.0375U ng/Kg
SL-019-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0436 ng/Kg	0.0436U ng/Kg
SL-019-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0278 ng/Kg	0.0278U ng/Kg
SL-019-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0279 ng/Kg	0.0279U ng/Kg
SL-019-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0196 ng/Kg	0.0196U ng/Kg
SL-019-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0636 ng/Kg	0.0636U ng/Kg
SL-019-SA5DN-SB-4.0-5.0(RES)	OCDD	1.11 ng/Kg	1.11U ng/Kg
SL-019-SA5DN-SB-4.0-5.0(RES)	OCDF	0.126 ng/Kg	0.126U ng/Kg
SL-019-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	1.30 ng/Kg	1.30U ng/Kg
SL-019-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.116 ng/Kg	0.116U ng/Kg
SL-019-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0495 ng/Kg	0.0495U ng/Kg
SL-019-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0523 ng/Kg	0.0523U ng/Kg
SL-019-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0700 ng/Kg	0.0700U ng/Kg
SL-019-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.103 ng/Kg	0.103U ng/Kg
SL-019-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0627 ng/Kg	0.0627U ng/Kg
SL-019-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.0784 ng/Kg	0.0784U ng/Kg
SL-019-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0587 ng/Kg	0.0587U ng/Kg
SL-019-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0890 ng/Kg	0.0890U ng/Kg
SL-019-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0988 ng/Kg	0.0988U ng/Kg
SL-019-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0406 ng/Kg	0.0406U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:01 AM

ADR version 1.4.0.111

Page 4 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-019-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0942 ng/Kg	0.0942U ng/Kg
SL-019-SA5DN-SB-9.0-10.0(RES)	OCDF	0.255 ng/Kg	0.255U ng/Kg
SL-021-SA5DN-SB-19.5-20.5(RES)	1,2,3,4,6,7,8-HPCDF	0.147 ng/Kg	0.147U ng/Kg
SL-021-SA5DN-SB-19.5-20.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0446 ng/Kg	0.0446U ng/Kg
SL-021-SA5DN-SB-19.5-20.5(RES)	1,2,3,4,7,8-HXCDF	0.0288 ng/Kg	0.0288U ng/Kg
SL-021-SA5DN-SB-19.5-20.5(RES)	1,2,3,6,7,8-HXCDD	0.0828 ng/Kg	0.0828U ng/Kg
SL-021-SA5DN-SB-19.5-20.5(RES)	1,2,3,6,7,8-HXCDF	0.0166 ng/Kg	0.0166U ng/Kg
SL-021-SA5DN-SB-19.5-20.5(RES)	1,2,3,7,8,9-HXCDD	0.0413 ng/Kg	0.0413U ng/Kg
SL-021-SA5DN-SB-19.5-20.5(RES)	1,2,3,7,8,9-HXCDF	0.0423 ng/Kg	0.0423U ng/Kg
SL-021-SA5DN-SB-19.5-20.5(RES)	1,2,3,7,8-PECDF	0.0251 ng/Kg	0.0251U ng/Kg
SL-021-SA5DN-SB-19.5-20.5(RES)	2,3,4,7,8-PECDF	0.0400 ng/Kg	0.0400U ng/Kg
SL-021-SA5DN-SB-19.5-20.5(RES)	OCDF	0.357 ng/Kg	0.357U ng/Kg
SL-021-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.229 ng/Kg	0.229U ng/Kg
SL-021-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0776 ng/Kg	0.0776U ng/Kg
SL-021-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.307 ng/Kg	0.307U ng/Kg
SL-021-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.147 ng/Kg	0.147U ng/Kg
SL-021-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.214 ng/Kg	0.214U ng/Kg
SL-021-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0400 ng/Kg	0.0400U ng/Kg
SL-021-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0510 ng/Kg	0.0510U ng/Kg
SL-021-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0914 ng/Kg	0.0914U ng/Kg
SL-021-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0296 ng/Kg	0.0296U ng/Kg
SL-021-SA5DN-SB-4.0-5.0(RES)	OCDF	0.743 ng/Kg	0.743U ng/Kg
SL-027-SA5DN-SB-14.0-15.0(RES)	1,2,3,4,6,7,8-HPCDD	0.221 ng/Kg	0.221U ng/Kg
SL-027-SA5DN-SB-14.0-15.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0333 ng/Kg	0.0333U ng/Kg
SL-027-SA5DN-SB-14.0-15.0(RES)	1,2,3,6,7,8-HXCDF	0.0176 ng/Kg	0.0176U ng/Kg
SL-027-SA5DN-SB-14.0-15.0(RES)	1,2,3,7,8,9-HXCDD	0.0180 ng/Kg	0.0180U ng/Kg
SL-027-SA5DN-SB-14.0-15.0(RES)	1,2,3,7,8,9-HXCDF	0.0319 ng/Kg	0.0319U ng/Kg
SL-027-SA5DN-SB-14.0-15.0(RES)	1,2,3,7,8-PECDF	0.0110 ng/Kg	0.0110U ng/Kg
SL-027-SA5DN-SB-14.0-15.0(RES)	2,3,4,7,8-PECDF	0.0306 ng/Kg	0.0306U ng/Kg
SL-027-SA5DN-SB-14.0-15.0(RES)	OCDD	0.839 ng/Kg	0.839U ng/Kg
SL-027-SA5DN-SB-14.0-15.0(RES)	OCDF	0.0963 ng/Kg	0.0963U ng/Kg
SL-027-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.169 ng/Kg	0.169U ng/Kg
SL-027-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0356 ng/Kg	0.0356U ng/Kg
SL-027-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0684 ng/Kg	0.0684U ng/Kg
SL-027-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.218 ng/Kg	0.218U ng/Kg
SL-027-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0228 ng/Kg	0.0228U ng/Kg
SL-027-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0507 ng/Kg	0.0507U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:01 AM

ADR version 1.4.0.111

Page 5 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-027-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0930 ng/Kg	0.0930U ng/Kg
SL-027-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0310 ng/Kg	0.0310U ng/Kg
SL-027-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0805 ng/Kg	0.0805U ng/Kg
SL-027-SA5DN-SB-4.0-5.0(RES)	OCDF	0.555 ng/Kg	0.555U ng/Kg
SL-052-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.389 ng/Kg	0.389U ng/Kg
SL-052-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0188 ng/Kg	0.0188U ng/Kg
SL-052-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0127 ng/Kg	0.0127U ng/Kg
SL-052-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.179 ng/Kg	0.179U ng/Kg
SL-052-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0164 ng/Kg	0.0164U ng/Kg
SL-052-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0415 ng/Kg	0.0415U ng/Kg
SL-052-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0200 ng/Kg	0.0200U ng/Kg
SL-052-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0303 ng/Kg	0.0303U ng/Kg
SL-052-SA5DN-SB-4.0-5.0(RES)	OCDD	1.22 ng/Kg	1.22U ng/Kg
SL-052-SA5DN-SB-4.0-5.0(RES)	OCDF	0.0998 ng/Kg	0.0998U ng/Kg
SL-052-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.350 ng/Kg	0.350U ng/Kg
SL-052-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0238 ng/Kg	0.0238U ng/Kg
SL-052-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0175 ng/Kg	0.0175U ng/Kg
SL-052-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0129 ng/Kg	0.0129U ng/Kg
SL-052-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0102 ng/Kg	0.0102U ng/Kg
SL-052-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0370 ng/Kg	0.0370U ng/Kg
SL-052-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.00970 ng/Kg	0.00970U ng/Kg
SL-052-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0304 ng/Kg	0.0304U ng/Kg
SL-052-SA5DN-SB-9.0-10.0(RES)	OCDD	1.41 ng/Kg	1.41U ng/Kg
SL-052-SA5DN-SB-9.0-10.0(RES)	OCDF	0.0833 ng/Kg	0.0833U ng/Kg
SL-152-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.148 ng/Kg	0.148U ng/Kg
SL-152-SA5DN-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.154 ng/Kg	0.154U ng/Kg
SL-152-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.111 ng/Kg	0.111U ng/Kg
SL-152-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0763 ng/Kg	0.0763U ng/Kg
SL-152-SA5DN-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.188 ng/Kg	0.188U ng/Kg
SL-153-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.104 ng/Kg	0.104U ng/Kg
SL-153-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.117 ng/Kg	0.117U ng/Kg
SL-153-SA5DN-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0790 ng/Kg	0.0790U ng/Kg
SL-153-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.119 ng/Kg	0.119U ng/Kg
SL-153-SA5DN-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0865 ng/Kg	0.0865U ng/Kg
SL-153-SA5DN-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.114 ng/Kg	0.114U ng/Kg
SL-154-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.182 ng/Kg	0.182U ng/Kg
SL-154-SA5DN-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.144 ng/Kg	0.144U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:01 AM

ADR version 1.4.0.111

Page 6 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-154-SA5DN-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.132 ng/Kg	0.132U ng/Kg
SL-154-SA5DN-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.153 ng/Kg	0.153U ng/Kg
SL-155-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.243 ng/Kg	0.243U ng/Kg
SL-157-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.178 ng/Kg	0.178U ng/Kg
SL-158-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.122 ng/Kg	0.122U ng/Kg
SL-159-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.154 ng/Kg	0.154U ng/Kg
SL-160-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0428 ng/Kg	0.0428U ng/Kg
SL-160-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.0884 ng/Kg	0.0884U ng/Kg
SL-160-SA5DN-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0792 ng/Kg	0.0792U ng/Kg
SL-160-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0859 ng/Kg	0.0859U ng/Kg
SL-160-SA5DN-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0516 ng/Kg	0.0516U ng/Kg
SL-160-SA5DN-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.107 ng/Kg	0.107U ng/Kg
SL-162-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.103 ng/Kg	0.103U ng/Kg
SL-166-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.164 ng/Kg	0.164U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/4/2011 10:04:01 AM

ADR version 1.4.0.111

Page 7 of 7

Field Duplicate RPD Report

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: PrepDX098_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-155-SA5DN-SS-0.0-0.5	DUP-13-SA5DN-QC-060311			
MOISTURE	4.4	4.6	4		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-155-SA5DN-SS-0.0-0.5	DUP-13-SA5DN-QC-060311			
1,2,3,4,6,7,8-HPCDD	14.2	15.0	5	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	2.09	2.02	3	50.00	
1,2,3,4,7,8,9-HPCDF	0.243	0.236	3	50.00	
1,2,3,4,7,8-HxCDD	0.287	0.272	5	50.00	
1,2,3,4,7,8-HxCDF	0.294	0.303	3	50.00	
1,2,3,6,7,8-HxCDD	1.05	0.958	9	50.00	
1,2,3,6,7,8-HxCDF	0.200	0.179	11	50.00	
1,2,3,7,8,9-HxCDD	1.08	1.06	2	50.00	
1,2,3,7,8,9-HxCDF	1.04	1.06	2	50.00	
1,2,3,7,8-PECDD	0.203	0.205	1	50.00	
1,2,3,7,8-PECDF	0.327	0.234	33	50.00	
2,3,4,6,7,8-HxCDF	0.225	0.211	6	50.00	
2,3,4,7,8-PECDF	0.318	0.227	33	50.00	
2,3,7,8-TCDF	0.169	0.123	32	50.00	
OCDD	186	190	2	50.00	
OCDF	6.88	6.78	1	50.00	
2,3,7,8-TCDD	0.0404	0.0227	56	50.00	J(all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: DX098_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB13-SA5DN-SS-060311	1,2,3,4,6,7,8-HPCDD	JBQ	4.91	10.6	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.801	10.6	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	0.250	10.6	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JBQ	0.207	10.6	PQL	pg/L	
	1,2,3,4,7,8-HxCDF	JBQ	0.399	10.6	PQL	pg/L	
	1,2,3,6,7,8-HxCDD	JB	0.471	10.6	PQL	pg/L	
	1,2,3,6,7,8-HxCDF	JB	0.391	10.6	PQL	pg/L	
	1,2,3,7,8,9-HxCDD	JBQ	0.380	10.6	PQL	pg/L	
	1,2,3,7,8,9-HxCDF	JBQ	0.324	10.6	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.312	10.6	PQL	pg/L	
	2,3,4,6,7,8-HxCDF	JBQ	0.344	10.6	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.551	10.6	PQL	pg/L	
	2,3,7,8-TCDD	JBQ	0.320	2.12	PQL	pg/L	
	OCDD	JB	9.11	21.2	PQL	pg/L	
	OCDF	JB	1.90	21.2	PQL	pg/L	
EB14-SA5DN-SB-060311	1,2,3,4,6,7,8-HPCDD	JB	4.48	10.4	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.902	10.4	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	0.283	10.4	PQL	pg/L	
	1,2,3,4,7,8-HxCDF	JBQ	0.295	10.4	PQL	pg/L	
	1,2,3,6,7,8-HxCDD	JBQ	0.373	10.4	PQL	pg/L	
	1,2,3,6,7,8-HxCDF	JB	0.396	10.4	PQL	pg/L	
	1,2,3,7,8,9-HxCDD	JB	0.560	10.4	PQL	pg/L	
	1,2,3,7,8,9-HxCDF	JBQ	0.649	10.4	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.549	10.4	PQL	pg/L	
	2,3,4,6,7,8-HxCDF	JB	0.397	10.4	PQL	pg/L	
	2,3,4,7,8-PECDF	JB	0.712	10.4	PQL	pg/L	
	OCDD	JB	9.80	20.8	PQL	pg/L	
	OCDF	JBQ	1.73	20.8	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-207-SA5DN-SS-0.0-0.5	2,3,7,8-TCDF	B	2.30	1.06	PQL	ng/Kg	
DUP-13-SA5DN-QC-060311	1,2,3,4,6,7,8-HPCDF	JB	2.02	5.19	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.236	5.19	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.272	5.19	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.303	5.19	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.958	5.19	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.179	5.19	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.06	5.19	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	1.06	5.19	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.205	5.19	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.234	5.19	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.211	5.19	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.227	5.19	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0227	1.04	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.123	1.04	PQL	ng/Kg	
	OCDF	JB	6.78	10.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: DX098_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-016-SA5DN-SB-12.0-13.0	1,2,3,4,6,7,8-HPCDD	JB	1.14	5.59	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.143	5.59	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0704	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0368	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0865	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0431	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0533	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0397	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0500	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0193	5.59	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0742	5.59	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0783	5.59	PQL	ng/Kg	
	OCDD	JB	10.9	11.2	PQL	ng/Kg	
	OCDF	JBQ	0.379	11.2	PQL	ng/Kg	
SL-016-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.16	5.90	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.410	5.90	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.148	5.90	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0522	5.90	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.128	5.90	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.240	5.90	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.119	5.90	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.337	5.90	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.363	5.90	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0737	5.90	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0868	5.90	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.139	5.90	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.179	5.90	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0206	1.18	PQL	ng/Kg	
	OCDF	JB	1.32	11.8	PQL	ng/Kg	
SL-019-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.313	5.63	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0493	5.63	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0372	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0347	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0308	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0405	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0341	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0375	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0436	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0278	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0279	5.63	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0196	5.63	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0636	5.63	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0171	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0171	1.13	PQL	ng/Kg	
	OCDD	JB	1.11	11.3	PQL	ng/Kg	
	OCDF	JB	0.126	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: DX098_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-019-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	1.30	5.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.116	5.52	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0495	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0523	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0700	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.103	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0627	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0784	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0587	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0890	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0988	5.52	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0406	5.52	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0942	5.52	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0365	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0264	1.10	PQL	ng/Kg	
	OCDF	JBQ	0.255	11.0	PQL	ng/Kg	
SL-021-SA5DN-SB-19.5-20.5	1,2,3,4,6,7,8-HPCDD	JB	2.96	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.147	5.56	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0446	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0288	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0828	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0166	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0413	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0423	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0251	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0400	5.56	PQL	ng/Kg	
	OCDF	JBQ	0.357	11.1	PQL	ng/Kg	
SL-021-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	3.04	5.63	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.229	5.63	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0776	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.307	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.147	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.187	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.214	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0400	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0510	5.63	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0914	5.63	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.154	5.63	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0296	1.13	PQL	ng/Kg	
	OCDF	JBQ	0.743	11.3	PQL	ng/Kg	
SL-027-SA5DN-SB-14.0-15.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.221	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0333	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0141	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0176	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0180	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0319	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0110	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0306	5.53	PQL	ng/Kg	
	OCDD	JB	0.839	11.1	PQL	ng/Kg	
	OCDF	JBQ	0.0963	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: DX098_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-027-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.11	5.47	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.169	5.47	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0356	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0265	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0684	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.218	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0228	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.245	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.317	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0507	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0930	5.47	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0310	5.47	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0805	5.47	PQL	ng/Kg	
	OCDF	JB	0.555	10.9	PQL	ng/Kg	
SL-052-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.389	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0188	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0127	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.179	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0164	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.341	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.352	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0415	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0200	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0303	5.38	PQL	ng/Kg	
	OCDD	JB	1.22	10.8	PQL	ng/Kg	
	OCDF	JBQ	0.0998	10.8	PQL	ng/Kg	
SL-052-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.350	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0238	5.53	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0175	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0129	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0102	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0370	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.00970	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0304	5.53	PQL	ng/Kg	
	OCDD	JB	1.41	11.1	PQL	ng/Kg	
	OCDF	JBQ	0.0833	11.1	PQL	ng/Kg	
SL-152-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	0.968	5.35	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.148	5.35	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.136	5.35	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.220	5.35	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.351	5.35	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.154	5.35	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.340	5.35	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.111	5.35	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0763	5.35	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.136	5.35	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.160	5.35	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.188	5.35	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0200	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0756	1.07	PQL	ng/Kg	
	OCDF	JB	2.47	10.7	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: DX098_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-153-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	0.756	5.32	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.104	5.32	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0751	5.32	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.117	5.32	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.551	5.32	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0790	5.32	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.728	5.32	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.556	5.32	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.119	5.32	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.159	5.32	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0865	5.32	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.114	5.32	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0465	1.06	PQL	ng/Kg	
	OCDF	JB	2.24	10.6	PQL	ng/Kg	
SL-154-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.86	5.44	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.182	5.44	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.151	5.44	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.220	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.867	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.144	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.12	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.989	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.204	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.298	5.44	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.132	5.44	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.153	5.44	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0210	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0525	1.09	PQL	ng/Kg	
	OCDF	JB	8.05	10.9	PQL	ng/Kg	
SL-155-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.09	5.16	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.243	5.16	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.287	5.16	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.294	5.16	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.05	5.16	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.200	5.16	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.08	5.16	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	1.04	5.16	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.203	5.16	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.327	5.16	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.225	5.16	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.318	5.16	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0404	1.03	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.169	1.03	PQL	ng/Kg	
	OCDF	JB	6.88	10.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: DX098_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-156-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.31	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.409	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.387	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.570	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.36	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.410	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.44	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.49	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.403	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.685	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.385	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.540	5.54	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0667	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.283	1.11	PQL	ng/Kg	
SL-157-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.61	5.40	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.178	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.225	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.400	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.865	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.280	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.03	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.21	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.342	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.478	5.40	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.270	5.40	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.513	5.40	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0441	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.290	1.08	PQL	ng/Kg	
	OCDF	JB	5.00	10.8	PQL	ng/Kg	
SL-158-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.36	5.37	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.122	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.155	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.297	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.751	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.202	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.866	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.07	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.196	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.330	5.37	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.199	5.37	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.388	5.37	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0223	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.259	1.07	PQL	ng/Kg	
	OCDF	JB	4.03	10.7	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: DX098_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-159-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.58	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.154	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.132	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.475	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.958	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.235	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.13	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.35	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.183	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.925	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.189	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.575	5.53	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0273	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.532	1.11	PQL	ng/Kg	
	OCDF	JB	4.96	11.1	PQL	ng/Kg	
SL-160-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.25	5.16	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.511	5.16	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0428	5.16	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0618	5.16	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0884	5.16	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.437	5.16	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0792	5.16	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.639	5.16	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.822	5.16	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0859	5.16	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.181	5.16	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0516	5.16	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.107	5.16	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0193	1.03	PQL	ng/Kg	
	OCDF	JB	1.75	10.3	PQL	ng/Kg	
SL-162-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.10	5.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.103	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.197	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.348	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.01	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.197	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.26	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.17	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.242	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.238	5.52	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.179	5.52	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.358	5.52	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0410	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.252	1.10	PQL	ng/Kg	
	OCDF	JB	2.99	11.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX098

Laboratory: LL

EDD Filename: DX098_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-166-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.44	5.43	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.164	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.204	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.611	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.807	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.228	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.558	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.296	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.163	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.602	5.43	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.271	5.43	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.571	5.43	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.659	1.09	PQL	ng/Kg	
SL-207-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	4.06	5.29	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.624	5.29	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.260	5.29	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.15	5.29	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.32	5.29	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.35	5.29	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.33	5.29	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	2.17	5.29	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	4.47	5.29	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.28	5.29	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	4.12	5.29	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.371	1.06	PQL	ng/Kg	
	OCDF	JB	6.73	10.6	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX099

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
6-June-2011	SL-022-SA5DN-SB-15.0-16.0	6308049	N	METHOD	1613B	III
6-June-2011	SL-053-SA5DN-SB-4.0-5.0	6308050	N	METHOD	1613B	III
6-June-2011	SL-053-SA5DN-SB-11.5-12.5	6308051	N	METHOD	1613B	III
6-June-2011	SL-079-SA8N-SB-4.0-5.0	6308052	N	METHOD	1613B	III
6-June-2011	SL-079-SA8N-SB-9.0-10.0	6308053	N	METHOD	1613B	III
6-June-2011	SL-133-SA8N-SB-4.0-5.0	6308054	N	METHOD	1613B	III
6-June-2011	SL-022-SA5DN-SB-4.0-5.0	6308048	N	METHOD	1613B	III
6-June-2011	SL-133-SA8N-SB-7.0-8.0	6309783	N	METHOD	1613B	III
7-June-2011	SL-024-SA5DN-SB-19.0-20.0	6309774	N	METHOD	1613B	III
7-June-2011	SL-024-SA5DN-SB-4.0-5.0	6309771	N	METHOD	1613B	III
7-June-2011	SL-024-SA5DN-SB-4.0-5.0MSD	6309773	MSD	METHOD	1613B	III
7-June-2011	SL-026-SA5DN-SB-4.0-5.0	6309775	N	METHOD	1613B	III
7-June-2011	SL-026-SA5DN-SB-17.0-18.0	6309776	N	METHOD	1613B	III
7-June-2011	SL-036-SA5DN-SB-4.0-5.0	6309777	N	METHOD	1613B	III
7-June-2011	SL-036-SA5DN-SB-9.0-10.0	6309778	N	METHOD	1613B	III
7-June-2011	DUP13-SA5DN-QC-060711	6309779	FD	METHOD	1613B	III
7-June-2011	SL-071-SA8N-SB-2.0-3.0	6309780	N	METHOD	1613B	III
7-June-2011	SL-122-SA8N-SB-2.0-3.0	6309781	N	METHOD	1613B	III
7-June-2011	SL-140-SA8N-SB-3.0-4.0	6309782	N	METHOD	1613B	III
7-June-2011	SL-024-SA5DN-SB-4.0-5.0MS	6309772	MS	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP13-SA5DN-QC-060711

Collected: 6/7/2011 9:20:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.24	JB	0.0372	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.107	JB	0.0109	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0576	JB	0.0144	MDL	5.53	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.0484	JQ	0.0197	MDL	5.53	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HxCDF	0.0678	JB	0.0133	MDL	5.53	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HxCDD	0.149	JB	0.0211	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0735	JBQ	0.0121	MDL	5.53	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDD	0.229	JB	0.0196	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.265	JB	0.0130	MDL	5.53	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDD	0.0690	JQ	0.0174	MDL	5.53	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDF	0.120	JB	0.00904	MDL	5.53	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HxCDF	0.0427	JB	0.0121	MDL	5.53	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.0851	JBQ	0.00835	MDL	5.53	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0271	JQ	0.0158	MDL	1.11	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDF	0.0257	JQ	0.0133	MDL	1.11	PQL	ng/Kg	J	Z, FD
OCDF	0.216	JB	0.0265	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-022-SA5DN-SB-15.0-16.0

Collected: 6/6/2011 11:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.590	JBQ	0.0329	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.170	JB	0.0115	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.149	JBQ	0.0167	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.121	JQ	0.0175	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.140	JBQ	0.0148	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.113	JB	0.0187	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.120	JBQ	0.0135	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.154	JB	0.0176	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.135	JB	0.0150	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0982	JQ	0.0177	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.103	JB	0.00812	MDL	5.33	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.131	JB	0.0147	MDL	5.33	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.137	JB	0.00747	MDL	5.33	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0259	JQ	0.0189	MDL	1.07	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:54:10 PM

ADR version 1.4.0.111

Page 1 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-022-SA5DN-SB-15.0-16.0

Collected: 6/6/2011 11:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDF	0.0265	J	0.0131	MDL	1.07	PQL	ng/Kg	J	Z
OCDD	1.99	JB	0.0287	MDL	10.7	PQL	ng/Kg	U	B
OCDF	0.329	JB	0.0339	MDL	10.7	PQL	ng/Kg	U	B

Sample ID: SL-022-SA5DN-SB-4.0-5.0

Collected: 6/6/2011 11:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.721	JB	0.0428	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0762	JB	0.0128	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0596	JBQ	0.0197	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0595	JQ	0.0213	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.0439	JB	0.0121	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.106	JB	0.0210	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0572	JB	0.0110	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.172	JB	0.0201	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.145	JBQ	0.0137	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0754	JQ	0.0178	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0564	JBQ	0.00731	MDL	5.60	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0427	JBQ	0.0114	MDL	5.60	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0766	JBQ	0.00696	MDL	5.60	PQL	ng/Kg	U	B
OCDD	4.47	JB	0.0259	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.176	JBQ	0.0372	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-024-SA5DN-SB-19.0-20.0

Collected: 6/7/2011 9:30:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.691	JB	0.0389	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.180	JBQ	0.0157	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.153	JBQ	0.0208	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.142	JQ	0.0235	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.162	JB	0.0174	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.162	JB	0.0242	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.146	JB	0.0162	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.172	JB	0.0229	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.158	JB	0.0165	MDL	5.45	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:54:10 PM

ADR version 1.4.0.111

Page 2 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-024-SA5DN-SB-19.0-20.0

Collected: 6/7/2011 9:30:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDD	0.142	J	0.0191	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.164	JBQ	0.00812	MDL	5.45	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.133	JB	0.0156	MDL	5.45	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.157	JB	0.00768	MDL	5.45	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0220	J	0.0180	MDL	1.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0368	JQ	0.0129	MDL	1.09	PQL	ng/Kg	J	Z
OCDD	1.72	JB	0.0316	MDL	10.9	PQL	ng/Kg	U	B
OCDF	0.421	JB	0.0375	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-024-SA5DN-SB-4.0-5.0

Collected: 6/7/2011 9:10:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.69	JB	0.0270	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0901	JB	0.00740	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0253	JB	0.0100	MDL	5.63	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.0830	JQ	0.0156	MDL	5.63	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HXCDF	0.144	JBQ	0.0121	MDL	5.63	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HxCDD	0.143	JBQ	0.0164	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.150	JB	0.0113	MDL	5.63	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HxCDD	0.178	JBQ	0.0155	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.151	JB	0.0117	MDL	5.63	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.250	J	0.0187	MDL	5.63	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDF	0.337	JB	0.00843	MDL	5.63	PQL	ng/Kg	J	Z, FD
2,3,4,6,7,8-HXCDF	0.0767	JBQ	0.0116	MDL	5.63	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.238	JB	0.00797	MDL	5.63	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0887	J	0.0219	MDL	1.13	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDF	0.0933	JQ	0.0137	MDL	1.13	PQL	ng/Kg	J	Z, FD
OCDF	0.133	JBQ	0.0158	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-026-SA5DN-SB-17.0-18.0

Collected: 6/7/2011 11:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.72	JB	0.0369	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0796	JB	0.0109	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0388	JB	0.0136	MDL	5.40	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:54:10 PM

ADR version 1.4.0.111

Page 3 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-026-SA5DN-SB-17.0-18.0

Collected: 6/7/2011 11:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.0139	JBQ	0.00796	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0473	JBQ	0.0166	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0568	JBQ	0.0153	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0265	JBQ	0.00796	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0180	JBQ	0.00752	MDL	5.40	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0277	JBQ	0.00742	MDL	5.40	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0432	JB	0.00709	MDL	5.40	PQL	ng/Kg	U	B
OCDF	0.327	JB	0.0301	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-026-SA5DN-SB-4.0-5.0

Collected: 6/7/2011 11:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	5.44	JB	0.0546	MDL	5.74	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.462	JB	0.0263	MDL	5.74	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0713	JB	0.0334	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0531	JQ	0.0382	MDL	5.74	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.438	JB	0.0402	MDL	5.74	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0812	JBQ	0.0248	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.538	JB	0.0371	MDL	5.74	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.693	JB	0.0271	MDL	5.74	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0763	J	0.0267	MDL	5.74	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.156	JB	0.0153	MDL	5.74	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0604	JB	0.0256	MDL	5.74	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.194	JB	0.0150	MDL	5.74	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0247	J	0.0192	MDL	1.15	PQL	ng/Kg	J	Z
OCDF	1.49	JB	0.0566	MDL	11.5	PQL	ng/Kg	J	Z

Sample ID: SL-036-SA5DN-SB-4.0-5.0

Collected: 6/7/2011 2:35:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.69	JB	0.0449	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.103	JBQ	0.0118	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0307	JBQ	0.0147	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0218	JQ	0.0193	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0231	JBQ	0.0120	MDL	5.79	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:54:10 PM

ADR version 1.4.0.111

Page 4 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-036-SA5DN-SB-4.0-5.0

Collected: 6/7/2011 2:35:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDD	0.114	JBQ	0.0199	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0167	JB	0.0112	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.138	JB	0.0181	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.109	JB	0.0126	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0336	JQ	0.0177	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0243	JBQ	0.00989	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0124	JBQ	0.0114	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0394	JB	0.00919	MDL	5.79	PQL	ng/Kg	U	B
OCDF	0.280	JB	0.0392	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-036-SA5DN-SB-9.0-10.0

Collected: 6/7/2011 2:45:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.30	JB	0.0420	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.130	JBQ	0.0121	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0200	J	0.0167	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0269	JBQ	0.0103	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0788	JBQ	0.0179	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0102	JB	0.00958	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0600	JB	0.0172	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0221	JBQ	0.00970	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0243	JQ	0.0181	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0249	JBQ	0.00797	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0178	JBQ	0.00912	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0387	JBQ	0.00739	MDL	5.71	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0283	J	0.0157	MDL	1.14	PQL	ng/Kg	J	Z
OCDF	0.328	JB	0.0352	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-053-SA5DN-SB-11.5-12.5

Collected: 6/6/2011 4:00:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.492	JB	0.0275	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0476	JB	0.00759	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0238	JBQ	0.0116	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0417	JBQ	0.00759	MDL	5.42	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:54:10 PM

ADR version 1.4.0.111

Page 5 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-053-SA5DN-SB-11.5-12.5

Collected: 6/6/2011 4:00:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDD	0.0402	JBQ	0.0150	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0284	JB	0.00670	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0651	JBQ	0.0133	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0405	JB	0.00770	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0176	JQ	0.0146	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0291	JBQ	0.00625	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0233	JB	0.00658	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0665	JB	0.00603	MDL	5.42	PQL	ng/Kg	U	B
OCDD	1.55	JB	0.0297	MDL	10.8	PQL	ng/Kg	U	B
OCDF	0.127	JB	0.0276	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-053-SA5DN-SB-4.0-5.0

Collected: 6/6/2011 3:50:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.689	JB	0.0374	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0476	JBQ	0.00937	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0232	JBQ	0.0137	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0117	JBQ	0.00867	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0738	JBQ	0.0167	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0219	JBQ	0.00796	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.104	JBQ	0.0155	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.113	JBQ	0.00913	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0170	JB	0.00773	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0129	JBQ	0.00796	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0319	JBQ	0.00761	MDL	5.77	PQL	ng/Kg	U	B
OCDD	4.65	JB	0.0278	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.127	JB	0.0326	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-071-SA8N-SB-2.0-3.0

Collected: 6/7/2011 9:05:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.711	JB	0.0292	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.134	JB	0.0100	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0427	JBQ	0.0135	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0738	JQ	0.0214	MDL	5.27	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:54:10 PM

ADR version 1.4.0.111

Page 6 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-071-SA8N-SB-2.0-3.0

Collected: 6/7/2011 9:05:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.127	JB	0.0178	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.966	JB	0.0225	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.186	JB	0.0164	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.68	JB	0.0208	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.391	JB	0.0172	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.286	J	0.0256	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.311	JB	0.0119	MDL	5.27	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0848	JB	0.0173	MDL	5.27	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.218	JBQ	0.0111	MDL	5.27	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0498	J	0.0157	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0758	JQ	0.0229	MDL	1.05	PQL	ng/Kg	J	Z
OCDD	2.40	JB	0.0281	MDL	10.5	PQL	ng/Kg	U	B
OCDF	0.192	JB	0.0248	MDL	10.5	PQL	ng/Kg	U	B

Sample ID: SL-079-SA8N-SB-4.0-5.0

Collected: 6/6/2011 12:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.559	JBQ	0.0292	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0435	JB	0.00987	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0140	JBQ	0.0139	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0155	JQ	0.0154	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0150	JBQ	0.00838	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0345	JBQ	0.0161	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0203	JBQ	0.00781	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0437	JBQ	0.0153	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0221	JBQ	0.00896	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0348	JQ	0.0148	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0211	JBQ	0.00815	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0121	JBQ	0.00804	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0498	JB	0.00758	MDL	5.69	PQL	ng/Kg	U	B
OCDD	1.14	JB	0.0323	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.0709	JB	0.0299	MDL	11.4	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:54:10 PM

ADR version 1.4.0.111

Page 7 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-079-SA8N-SB-9.0-10.0

Collected: 6/6/2011 11:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.758	JBQ	0.0293	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.122	JB	0.00904	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0482	JB	0.0133	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0872	J	0.0177	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.167	JB	0.0144	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.111	JB	0.0185	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.139	JB	0.0136	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.128	JB	0.0182	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.107	JB	0.0140	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.202	J	0.0188	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.250	JB	0.00962	MDL	5.80	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0910	JB	0.0131	MDL	5.80	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.237	JBQ	0.00927	MDL	5.80	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0437	JQ	0.0214	MDL	1.16	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0841	JQ	0.0141	MDL	1.16	PQL	ng/Kg	J	Z
OCDD	3.23	JB	0.0281	MDL	11.6	PQL	ng/Kg	U	B
OCDF	0.203	JB	0.0203	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-122-SA8N-SB-2.0-3.0

Collected: 6/7/2011 2:00:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.02	JB	0.0416	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.229	JB	0.0137	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0335	JBQ	0.0197	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0779	JQ	0.0237	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.165	JBQ	0.0168	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.128	JB	0.0235	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.122	JB	0.0156	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.176	JBQ	0.0223	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0967	JBQ	0.0175	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.155	JQ	0.0274	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.248	JBQ	0.0168	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0862	JBQ	0.0157	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.245	JB	0.0156	MDL	5.38	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:54:10 PM

ADR version 1.4.0.111

Page 8 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-122-SA8N-SB-2.0-3.0

Collected: 6/7/2011 2:00:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDF	0.0932	JQ	0.0304	MDL	1.08	PQL	ng/Kg	J	Z
OCDD	7.69	JB	0.0291	MDL	10.8	PQL	ng/Kg	J	Z
OCDF	0.341	JB	0.0314	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-133-SA8N-SB-4.0-5.0

Collected: 6/6/2011 4:15:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.07	JB	0.0298	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.360	JB	0.0135	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0787	JBQ	0.0206	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.164	J	0.0190	MDL	5.74	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.227	JB	0.0206	MDL	5.74	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.152	JB	0.0199	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.219	JB	0.0188	MDL	5.74	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.165	JB	0.0193	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.167	JB	0.0199	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.280	JQ	0.0184	MDL	5.74	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.338	JB	0.0112	MDL	5.74	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.137	JBQ	0.0188	MDL	5.74	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.279	JBQ	0.0106	MDL	5.74	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0477	J	0.0190	MDL	1.15	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0914	J	0.0289	MDL	1.15	PQL	ng/Kg	J	Z
OCDF	0.570	JB	0.0286	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-133-SA8N-SB-7.0-8.0

Collected: 6/6/2011 5:15:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.54	JB	0.0558	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.375	JB	0.0224	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0678	JB	0.0337	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0480	JQ	0.0304	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.102	JBQ	0.0201	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0711	JBQ	0.0310	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0497	JB	0.0183	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.123	JBQ	0.0298	MDL	5.70	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:54:11 PM

ADR version 1.4.0.111

Page 9 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-133-SA8N-SB-7.0-8.0

Collected: 6/6/2011 5:15:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	0.0592	JB	0.0213	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0196	JQ	0.0176	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.228	JB	0.0178	MDL	5.70	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0439	JB	0.0191	MDL	5.70	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0910	JBQ	0.0163	MDL	5.70	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.244	J	0.0747	MDL	1.14	PQL	ng/Kg	J	Z
OCDF	0.886	JB	0.0489	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-140-SA8N-SB-3.0-4.0

Collected: 6/7/2011 3:20:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	5.03	JB	0.0617	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.287	JBQ	0.0263	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0804	JBQ	0.0396	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.206	J	0.0657	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.150	JB	0.0238	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.318	JB	0.0691	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0935	JB	0.0216	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.372	JB	0.0656	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.217	JBQ	0.0255	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.167	J	0.0283	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.184	JB	0.0121	MDL	5.66	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0687	JB	0.0218	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.129	JB	0.0112	MDL	5.66	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0696	J	0.0167	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0629	JQ	0.0198	MDL	1.13	PQL	ng/Kg	J	Z
OCDF	0.600	JB	0.0491	MDL	11.3	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:54:11 PM

ADR version 1.4.0.111

Page 10 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*#	Professional Judgment
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Laboratory Triplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:54:11 PM

ADR version 1.4.0.111

Page 11 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Laboratory Triplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:54:11 PM

ADR version 1.4.0.111

Page 12 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Q	Matrix Spike Upper Rejection
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:54:11 PM

ADR version 1.4.0.111

Page 13 of 13

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX099

Method Blank Outlier Report

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1690B370524	6/22/2011 5:24:00 AM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HXCDF 1,2,3,6,7,8-HXCDD 1,2,3,6,7,8-HXCDF 1,2,3,7,8,9-HXCDD 1,2,3,7,8,9-HXCDF 1,2,3,7,8-PECDF 2,3,4,6,7,8-HXCDF 2,3,4,7,8-PECDF OCDD OCDF	0.479 ng/Kg 0.0762 ng/Kg 0.0506 ng/Kg 0.0392 ng/Kg 0.0621 ng/Kg 0.0252 ng/Kg 0.0839 ng/Kg 0.0457 ng/Kg 0.0277 ng/Kg 0.0179 ng/Kg 0.0481 ng/Kg 1.04 ng/Kg 0.246 ng/Kg	DUP13-SA5DN-QC-060711 SL-022-SA5DN-SB-15.0-16.0 SL-022-SA5DN-SB-4.0-5.0 SL-024-SA5DN-SB-19.0-20.0 SL-024-SA5DN-SB-4.0-5.0 SL-026-SA5DN-SB-17.0-18.0 SL-026-SA5DN-SB-4.0-5.0 SL-036-SA5DN-SB-4.0-5.0 SL-036-SA5DN-SB-9.0-10.0 SL-053-SA5DN-SB-11.5-12.5 SL-053-SA5DN-SB-4.0-5.0 SL-071-SA8N-SB-2.0-3.0 SL-079-SA8N-SB-4.0-5.0 SL-079-SA8N-SB-9.0-10.0 SL-122-SA8N-SB-2.0-3.0 SL-133-SA8N-SB-4.0-5.0 SL-133-SA8N-SB-7.0-8.0 SL-140-SA8N-SB-3.0-4.0

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP13-SA5DN-QC-060711(RES)	1,2,3,4,6,7,8-HPCDD	2.24 ng/Kg	2.24U ng/Kg
DUP13-SA5DN-QC-060711(RES)	1,2,3,4,6,7,8-HPCDF	0.107 ng/Kg	0.107U ng/Kg
DUP13-SA5DN-QC-060711(RES)	1,2,3,4,7,8,9-HPCDF	0.0576 ng/Kg	0.0576U ng/Kg
DUP13-SA5DN-QC-060711(RES)	1,2,3,4,7,8-HXCDF	0.0678 ng/Kg	0.0678U ng/Kg
DUP13-SA5DN-QC-060711(RES)	1,2,3,6,7,8-HXCDD	0.149 ng/Kg	0.149U ng/Kg
DUP13-SA5DN-QC-060711(RES)	1,2,3,6,7,8-HXCDF	0.0735 ng/Kg	0.0735U ng/Kg
DUP13-SA5DN-QC-060711(RES)	1,2,3,7,8,9-HXCDD	0.229 ng/Kg	0.229U ng/Kg
DUP13-SA5DN-QC-060711(RES)	1,2,3,7,8-PECDF	0.120 ng/Kg	0.120U ng/Kg
DUP13-SA5DN-QC-060711(RES)	2,3,4,6,7,8-HXCDF	0.0427 ng/Kg	0.0427U ng/Kg
DUP13-SA5DN-QC-060711(RES)	2,3,4,7,8-PECDF	0.0851 ng/Kg	0.0851U ng/Kg
DUP13-SA5DN-QC-060711(RES)	OCDF	0.216 ng/Kg	0.216U ng/Kg
SL-022-SA5DN-SB-15.0-16.0(RES)	1,2,3,4,6,7,8-HPCDD	0.590 ng/Kg	0.590U ng/Kg
SL-022-SA5DN-SB-15.0-16.0(RES)	1,2,3,4,6,7,8-HPCDF	0.170 ng/Kg	0.170U ng/Kg
SL-022-SA5DN-SB-15.0-16.0(RES)	1,2,3,4,7,8,9-HPCDF	0.149 ng/Kg	0.149U ng/Kg
SL-022-SA5DN-SB-15.0-16.0(RES)	1,2,3,4,7,8-HXCDF	0.140 ng/Kg	0.140U ng/Kg
SL-022-SA5DN-SB-15.0-16.0(RES)	1,2,3,6,7,8-HXCDD	0.113 ng/Kg	0.113U ng/Kg
SL-022-SA5DN-SB-15.0-16.0(RES)	1,2,3,6,7,8-HXCDF	0.120 ng/Kg	0.120U ng/Kg
SL-022-SA5DN-SB-15.0-16.0(RES)	1,2,3,7,8,9-HXCDD	0.154 ng/Kg	0.154U ng/Kg
SL-022-SA5DN-SB-15.0-16.0(RES)	1,2,3,7,8,9-HXCDF	0.135 ng/Kg	0.135U ng/Kg
SL-022-SA5DN-SB-15.0-16.0(RES)	1,2,3,7,8-PECDF	0.103 ng/Kg	0.103U ng/Kg
SL-022-SA5DN-SB-15.0-16.0(RES)	2,3,4,7,8-PECDF	0.137 ng/Kg	0.137U ng/Kg
SL-022-SA5DN-SB-15.0-16.0(RES)	OCDD	1.99 ng/Kg	1.99U ng/Kg
SL-022-SA5DN-SB-15.0-16.0(RES)	OCDF	0.329 ng/Kg	0.329U ng/Kg
SL-022-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.721 ng/Kg	0.721U ng/Kg
SL-022-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0762 ng/Kg	0.0762U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:53:42 PM

ADR version 1.4.0.111

Page 1 of 6

Method Blank Outlier Report

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-022-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0596 ng/Kg	0.0596U ng/Kg
SL-022-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0439 ng/Kg	0.0439U ng/Kg
SL-022-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.106 ng/Kg	0.106U ng/Kg
SL-022-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0572 ng/Kg	0.0572U ng/Kg
SL-022-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.172 ng/Kg	0.172U ng/Kg
SL-022-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.145 ng/Kg	0.145U ng/Kg
SL-022-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0564 ng/Kg	0.0564U ng/Kg
SL-022-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0427 ng/Kg	0.0427U ng/Kg
SL-022-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0766 ng/Kg	0.0766U ng/Kg
SL-022-SA5DN-SB-4.0-5.0(RES)	OCDD	4.47 ng/Kg	4.47U ng/Kg
SL-022-SA5DN-SB-4.0-5.0(RES)	OCDF	0.176 ng/Kg	0.176U ng/Kg
SL-024-SA5DN-SB-19.0-20.0(RES)	1,2,3,4,6,7,8-HPCDD	0.691 ng/Kg	0.691U ng/Kg
SL-024-SA5DN-SB-19.0-20.0(RES)	1,2,3,4,6,7,8-HPCDF	0.180 ng/Kg	0.180U ng/Kg
SL-024-SA5DN-SB-19.0-20.0(RES)	1,2,3,4,7,8,9-HPCDF	0.153 ng/Kg	0.153U ng/Kg
SL-024-SA5DN-SB-19.0-20.0(RES)	1,2,3,4,7,8-HXCDF	0.162 ng/Kg	0.162U ng/Kg
SL-024-SA5DN-SB-19.0-20.0(RES)	1,2,3,6,7,8-HXCDD	0.162 ng/Kg	0.162U ng/Kg
SL-024-SA5DN-SB-19.0-20.0(RES)	1,2,3,7,8,9-HXCDD	0.172 ng/Kg	0.172U ng/Kg
SL-024-SA5DN-SB-19.0-20.0(RES)	1,2,3,7,8,9-HXCDF	0.158 ng/Kg	0.158U ng/Kg
SL-024-SA5DN-SB-19.0-20.0(RES)	2,3,4,7,8-PECDF	0.157 ng/Kg	0.157U ng/Kg
SL-024-SA5DN-SB-19.0-20.0(RES)	OCDD	1.72 ng/Kg	1.72U ng/Kg
SL-024-SA5DN-SB-19.0-20.0(RES)	OCDF	0.421 ng/Kg	0.421U ng/Kg
SL-024-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.69 ng/Kg	1.69U ng/Kg
SL-024-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0901 ng/Kg	0.0901U ng/Kg
SL-024-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0253 ng/Kg	0.0253U ng/Kg
SL-024-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.144 ng/Kg	0.144U ng/Kg
SL-024-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.143 ng/Kg	0.143U ng/Kg
SL-024-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.178 ng/Kg	0.178U ng/Kg
SL-024-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.151 ng/Kg	0.151U ng/Kg
SL-024-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0767 ng/Kg	0.0767U ng/Kg
SL-024-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.238 ng/Kg	0.238U ng/Kg
SL-024-SA5DN-SB-4.0-5.0(RES)	OCDF	0.133 ng/Kg	0.133U ng/Kg
SL-026-SA5DN-SB-17.0-18.0(RES)	1,2,3,4,6,7,8-HPCDD	1.72 ng/Kg	1.72U ng/Kg
SL-026-SA5DN-SB-17.0-18.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0796 ng/Kg	0.0796U ng/Kg
SL-026-SA5DN-SB-17.0-18.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0388 ng/Kg	0.0388U ng/Kg
SL-026-SA5DN-SB-17.0-18.0(RES)	1,2,3,4,7,8-HXCDF	0.0139 ng/Kg	0.0139U ng/Kg
SL-026-SA5DN-SB-17.0-18.0(RES)	1,2,3,6,7,8-HXCDD	0.0473 ng/Kg	0.0473U ng/Kg
SL-026-SA5DN-SB-17.0-18.0(RES)	1,2,3,7,8,9-HXCDD	0.0568 ng/Kg	0.0568U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:53:42 PM

ADR version 1.4.0.111

Page 2 of 6

Method Blank Outlier Report

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-026-SA5DN-SB-17.0-18.0(RES)	1,2,3,7,8,9-HXCDF	0.0265 ng/Kg	0.0265U ng/Kg
SL-026-SA5DN-SB-17.0-18.0(RES)	1,2,3,7,8-PECDF	0.0180 ng/Kg	0.0180U ng/Kg
SL-026-SA5DN-SB-17.0-18.0(RES)	2,3,4,6,7,8-HXCDF	0.0277 ng/Kg	0.0277U ng/Kg
SL-026-SA5DN-SB-17.0-18.0(RES)	2,3,4,7,8-PECDF	0.0432 ng/Kg	0.0432U ng/Kg
SL-026-SA5DN-SB-17.0-18.0(RES)	OCDF	0.327 ng/Kg	0.327U ng/Kg
SL-026-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0713 ng/Kg	0.0713U ng/Kg
SL-026-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0812 ng/Kg	0.0812U ng/Kg
SL-026-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0604 ng/Kg	0.0604U ng/Kg
SL-026-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.194 ng/Kg	0.194U ng/Kg
SL-036-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.103 ng/Kg	0.103U ng/Kg
SL-036-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0307 ng/Kg	0.0307U ng/Kg
SL-036-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0231 ng/Kg	0.0231U ng/Kg
SL-036-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.114 ng/Kg	0.114U ng/Kg
SL-036-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0167 ng/Kg	0.0167U ng/Kg
SL-036-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.138 ng/Kg	0.138U ng/Kg
SL-036-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.109 ng/Kg	0.109U ng/Kg
SL-036-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0243 ng/Kg	0.0243U ng/Kg
SL-036-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0124 ng/Kg	0.0124U ng/Kg
SL-036-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0394 ng/Kg	0.0394U ng/Kg
SL-036-SA5DN-SB-4.0-5.0(RES)	OCDF	0.280 ng/Kg	0.280U ng/Kg
SL-036-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.130 ng/Kg	0.130U ng/Kg
SL-036-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0269 ng/Kg	0.0269U ng/Kg
SL-036-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0788 ng/Kg	0.0788U ng/Kg
SL-036-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0102 ng/Kg	0.0102U ng/Kg
SL-036-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0600 ng/Kg	0.0600U ng/Kg
SL-036-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0221 ng/Kg	0.0221U ng/Kg
SL-036-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0249 ng/Kg	0.0249U ng/Kg
SL-036-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0178 ng/Kg	0.0178U ng/Kg
SL-036-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0387 ng/Kg	0.0387U ng/Kg
SL-036-SA5DN-SB-9.0-10.0(RES)	OCDF	0.328 ng/Kg	0.328U ng/Kg
SL-053-SA5DN-SB-11.5-12.5(RES)	1,2,3,4,6,7,8-HPCDD	0.492 ng/Kg	0.492U ng/Kg
SL-053-SA5DN-SB-11.5-12.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0476 ng/Kg	0.0476U ng/Kg
SL-053-SA5DN-SB-11.5-12.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0238 ng/Kg	0.0238U ng/Kg
SL-053-SA5DN-SB-11.5-12.5(RES)	1,2,3,4,7,8-HXCDF	0.0417 ng/Kg	0.0417U ng/Kg
SL-053-SA5DN-SB-11.5-12.5(RES)	1,2,3,6,7,8-HXCDD	0.0402 ng/Kg	0.0402U ng/Kg
SL-053-SA5DN-SB-11.5-12.5(RES)	1,2,3,6,7,8-HXCDF	0.0284 ng/Kg	0.0284U ng/Kg
SL-053-SA5DN-SB-11.5-12.5(RES)	1,2,3,7,8,9-HXCDD	0.0651 ng/Kg	0.0651U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:53:42 PM

ADR version 1.4.0.111

Page 3 of 6

Method Blank Outlier Report

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-053-SA5DN-SB-11.5-12.5(RES)	1,2,3,7,8,9-HXCDF	0.0405 ng/Kg	0.0405U ng/Kg
SL-053-SA5DN-SB-11.5-12.5(RES)	1,2,3,7,8-PECDF	0.0291 ng/Kg	0.0291U ng/Kg
SL-053-SA5DN-SB-11.5-12.5(RES)	2,3,4,6,7,8-HXCDF	0.0233 ng/Kg	0.0233U ng/Kg
SL-053-SA5DN-SB-11.5-12.5(RES)	2,3,4,7,8-PECDF	0.0665 ng/Kg	0.0665U ng/Kg
SL-053-SA5DN-SB-11.5-12.5(RES)	OCDD	1.55 ng/Kg	1.55U ng/Kg
SL-053-SA5DN-SB-11.5-12.5(RES)	OCDF	0.127 ng/Kg	0.127U ng/Kg
SL-053-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.689 ng/Kg	0.689U ng/Kg
SL-053-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0476 ng/Kg	0.0476U ng/Kg
SL-053-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0232 ng/Kg	0.0232U ng/Kg
SL-053-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0117 ng/Kg	0.0117U ng/Kg
SL-053-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0738 ng/Kg	0.0738U ng/Kg
SL-053-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0219 ng/Kg	0.0219U ng/Kg
SL-053-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.104 ng/Kg	0.104U ng/Kg
SL-053-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.113 ng/Kg	0.113U ng/Kg
SL-053-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0170 ng/Kg	0.0170U ng/Kg
SL-053-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0129 ng/Kg	0.0129U ng/Kg
SL-053-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0319 ng/Kg	0.0319U ng/Kg
SL-053-SA5DN-SB-4.0-5.0(RES)	OCDD	4.65 ng/Kg	4.65U ng/Kg
SL-053-SA5DN-SB-4.0-5.0(RES)	OCDF	0.127 ng/Kg	0.127U ng/Kg
SL-071-SA8N-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDD	0.711 ng/Kg	0.711U ng/Kg
SL-071-SA8N-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.134 ng/Kg	0.134U ng/Kg
SL-071-SA8N-SB-2.0-3.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0427 ng/Kg	0.0427U ng/Kg
SL-071-SA8N-SB-2.0-3.0(RES)	1,2,3,4,7,8-HXCDF	0.127 ng/Kg	0.127U ng/Kg
SL-071-SA8N-SB-2.0-3.0(RES)	2,3,4,6,7,8-HXCDF	0.0848 ng/Kg	0.0848U ng/Kg
SL-071-SA8N-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.218 ng/Kg	0.218U ng/Kg
SL-071-SA8N-SB-2.0-3.0(RES)	OCDD	2.40 ng/Kg	2.40U ng/Kg
SL-071-SA8N-SB-2.0-3.0(RES)	OCDF	0.192 ng/Kg	0.192U ng/Kg
SL-079-SA8N-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.559 ng/Kg	0.559U ng/Kg
SL-079-SA8N-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0435 ng/Kg	0.0435U ng/Kg
SL-079-SA8N-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0140 ng/Kg	0.0140U ng/Kg
SL-079-SA8N-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0150 ng/Kg	0.0150U ng/Kg
SL-079-SA8N-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0345 ng/Kg	0.0345U ng/Kg
SL-079-SA8N-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0203 ng/Kg	0.0203U ng/Kg
SL-079-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0437 ng/Kg	0.0437U ng/Kg
SL-079-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0221 ng/Kg	0.0221U ng/Kg
SL-079-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0211 ng/Kg	0.0211U ng/Kg
SL-079-SA8N-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0121 ng/Kg	0.0121U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:53:42 PM

ADR version 1.4.0.111

Page 4 of 6

Method Blank Outlier Report

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-079-SA8N-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0498 ng/Kg	0.0498U ng/Kg
SL-079-SA8N-SB-4.0-5.0(RES)	OCDD	1.14 ng/Kg	1.14U ng/Kg
SL-079-SA8N-SB-4.0-5.0(RES)	OCDF	0.0709 ng/Kg	0.0709U ng/Kg
SL-079-SA8N-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.758 ng/Kg	0.758U ng/Kg
SL-079-SA8N-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.122 ng/Kg	0.122U ng/Kg
SL-079-SA8N-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0482 ng/Kg	0.0482U ng/Kg
SL-079-SA8N-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.167 ng/Kg	0.167U ng/Kg
SL-079-SA8N-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.111 ng/Kg	0.111U ng/Kg
SL-079-SA8N-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.128 ng/Kg	0.128U ng/Kg
SL-079-SA8N-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.107 ng/Kg	0.107U ng/Kg
SL-079-SA8N-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.237 ng/Kg	0.237U ng/Kg
SL-079-SA8N-SB-9.0-10.0(RES)	OCDD	3.23 ng/Kg	3.23U ng/Kg
SL-079-SA8N-SB-9.0-10.0(RES)	OCDF	0.203 ng/Kg	0.203U ng/Kg
SL-122-SA8N-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDD	1.02 ng/Kg	1.02U ng/Kg
SL-122-SA8N-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.229 ng/Kg	0.229U ng/Kg
SL-122-SA8N-SB-2.0-3.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0335 ng/Kg	0.0335U ng/Kg
SL-122-SA8N-SB-2.0-3.0(RES)	1,2,3,4,7,8-HXCDF	0.165 ng/Kg	0.165U ng/Kg
SL-122-SA8N-SB-2.0-3.0(RES)	1,2,3,6,7,8-HXCDD	0.128 ng/Kg	0.128U ng/Kg
SL-122-SA8N-SB-2.0-3.0(RES)	1,2,3,6,7,8-HXCDF	0.122 ng/Kg	0.122U ng/Kg
SL-122-SA8N-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDD	0.176 ng/Kg	0.176U ng/Kg
SL-122-SA8N-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDF	0.0967 ng/Kg	0.0967U ng/Kg
SL-122-SA8N-SB-2.0-3.0(RES)	2,3,4,6,7,8-HXCDF	0.0862 ng/Kg	0.0862U ng/Kg
SL-122-SA8N-SB-2.0-3.0(RES)	OCDF	0.341 ng/Kg	0.341U ng/Kg
SL-133-SA8N-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.07 ng/Kg	1.07U ng/Kg
SL-133-SA8N-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.360 ng/Kg	0.360U ng/Kg
SL-133-SA8N-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0787 ng/Kg	0.0787U ng/Kg
SL-133-SA8N-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.152 ng/Kg	0.152U ng/Kg
SL-133-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.165 ng/Kg	0.165U ng/Kg
SL-133-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.167 ng/Kg	0.167U ng/Kg
SL-133-SA8N-SB-4.0-5.0(RES)	OCDF	0.570 ng/Kg	0.570U ng/Kg
SL-133-SA8N-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDD	1.54 ng/Kg	1.54U ng/Kg
SL-133-SA8N-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDF	0.375 ng/Kg	0.375U ng/Kg
SL-133-SA8N-SB-7.0-8.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0678 ng/Kg	0.0678U ng/Kg
SL-133-SA8N-SB-7.0-8.0(RES)	1,2,3,4,7,8-HXCDF	0.102 ng/Kg	0.102U ng/Kg
SL-133-SA8N-SB-7.0-8.0(RES)	1,2,3,6,7,8-HXCDD	0.0711 ng/Kg	0.0711U ng/Kg
SL-133-SA8N-SB-7.0-8.0(RES)	1,2,3,6,7,8-HXCDF	0.0497 ng/Kg	0.0497U ng/Kg
SL-133-SA8N-SB-7.0-8.0(RES)	1,2,3,7,8,9-HXCDD	0.123 ng/Kg	0.123U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:53:42 PM

ADR version 1.4.0.111

Page 5 of 6

Method Blank Outlier Report

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
---------------------------	---------------	---------	--------	-----------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-133-SA8N-SB-7.0-8.0(RES)	1,2,3,7,8,9-HXCDF	0.0592 ng/Kg	0.0592U ng/Kg
SL-133-SA8N-SB-7.0-8.0(RES)	2,3,4,6,7,8-HXCDF	0.0439 ng/Kg	0.0439U ng/Kg
SL-133-SA8N-SB-7.0-8.0(RES)	2,3,4,7,8-PECDF	0.0910 ng/Kg	0.0910U ng/Kg
SL-133-SA8N-SB-7.0-8.0(RES)	OCDF	0.886 ng/Kg	0.886U ng/Kg
SL-140-SA8N-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.287 ng/Kg	0.287U ng/Kg
SL-140-SA8N-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0804 ng/Kg	0.0804U ng/Kg
SL-140-SA8N-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.150 ng/Kg	0.150U ng/Kg
SL-140-SA8N-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0935 ng/Kg	0.0935U ng/Kg
SL-140-SA8N-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDD	0.372 ng/Kg	0.372U ng/Kg
SL-140-SA8N-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.217 ng/Kg	0.217U ng/Kg
SL-140-SA8N-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0687 ng/Kg	0.0687U ng/Kg
SL-140-SA8N-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.129 ng/Kg	0.129U ng/Kg
SL-140-SA8N-SB-3.0-4.0(RES)	OCDF	0.600 ng/Kg	0.600U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:53:43 PM

ADR version 1.4.0.111

Page 6 of 6

Field Duplicate RPD Report

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-024-SA5DN-SB-4.0-5.0	DUP13-SA5DN-QC-060711			
MOISTURE	12.2	12.6	3		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-024-SA5DN-SB-4.0-5.0	DUP13-SA5DN-QC-060711			
1,2,3,4,6,7,8-HPCDD	1.69	2.24	28	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	0.0901	0.107	17	50.00	
1,2,3,6,7,8-HXCDD	0.143	0.149	4	50.00	
1,2,3,7,8,9-HXCDD	0.178	0.229	25	50.00	
OCDD	13.5	20.1	39	50.00	
OCDF	0.133	0.216	48	50.00	J(all detects)
1,2,3,4,7,8,9-HPCDF	0.0253	0.0576	78	50.00	
1,2,3,4,7,8-HxCDD	0.0830	0.0484	53	50.00	
1,2,3,4,7,8-HxCDF	0.144	0.0678	72	50.00	
1,2,3,6,7,8-HxCDF	0.150	0.0735	68	50.00	
1,2,3,7,8,9-HxCDF	0.151	0.265	55	50.00	
1,2,3,7,8-PECDD	0.250	0.0690	113	50.00	
1,2,3,7,8-PECDF	0.337	0.120	95	50.00	
2,3,4,6,7,8-HxCDF	0.0767	0.0427	57	50.00	
2,3,4,7,8-PECDF	0.238	0.0851	95	50.00	
2,3,7,8-TCDD	0.0887	0.0271	106	50.00	
2,3,7,8-TCDF	0.0933	0.0257	114	50.00	

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 2:52:37 PM

ADR version 1.4.0.111

Page 1 of 1

Reporting Limit Outliers

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP13-SA5DN-QC-060711	1,2,3,4,6,7,8-HPCDD	JB	2.24	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.107	5.53	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0576	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0484	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0678	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.149	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0735	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.229	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.265	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0690	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.120	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0427	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0851	5.53	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0271	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0257	1.11	PQL	ng/Kg	
	OCDF	JB	0.216	11.1	PQL	ng/Kg	
SL-022-SA5DN-SB-15.0-16.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.590	5.33	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.170	5.33	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.149	5.33	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.121	5.33	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.140	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.113	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.120	5.33	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.154	5.33	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.135	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0982	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.103	5.33	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.131	5.33	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.137	5.33	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0259	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0265	1.07	PQL	ng/Kg	
	OCDD	JB	1.99	10.7	PQL	ng/Kg	
	OCDF	JB	0.329	10.7	PQL	ng/Kg	
SL-022-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.721	5.60	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0762	5.60	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0596	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0595	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0439	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.106	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0572	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.172	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.145	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0754	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0564	5.60	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0427	5.60	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0766	5.60	PQL	ng/Kg	
	OCDD	JB	4.47	11.2	PQL	ng/Kg	
	OCDF	JBQ	0.176	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-024-SA5DN-SB-19.0-20.0	1,2,3,4,6,7,8-HPCDD	JB	0.691	5.45	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.180	5.45	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.153	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.142	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.162	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.162	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.146	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.172	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.158	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.142	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.164	5.45	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.133	5.45	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.157	5.45	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0220	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0368	1.09	PQL	ng/Kg	
	OCDD	JB	1.72	10.9	PQL	ng/Kg	
	OCDF	JB	0.421	10.9	PQL	ng/Kg	
SL-024-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.69	5.63	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0901	5.63	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0253	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0830	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.144	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.143	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.150	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.178	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.151	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.250	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.337	5.63	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0767	5.63	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.238	5.63	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0887	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0933	1.13	PQL	ng/Kg	
	OCDF	JBQ	0.133	11.3	PQL	ng/Kg	
SL-026-SA5DN-SB-17.0-18.0	1,2,3,4,6,7,8-HPCDD	JB	1.72	5.40	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0796	5.40	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0388	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0139	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0473	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0568	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0265	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0180	5.40	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0277	5.40	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0432	5.40	PQL	ng/Kg	
	OCDF	JB	0.327	10.8	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-026-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	5.44	5.74	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.462	5.74	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0713	5.74	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0531	5.74	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.438	5.74	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0812	5.74	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.538	5.74	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.693	5.74	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0763	5.74	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.156	5.74	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0604	5.74	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.194	5.74	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0247	1.15	PQL	ng/Kg	
	OCDF	JB	1.49	11.5	PQL	ng/Kg	
SL-036-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.69	5.79	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.103	5.79	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0307	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0218	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0231	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.114	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0167	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.138	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.109	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0336	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0243	5.79	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0124	5.79	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0394	5.79	PQL	ng/Kg	
	OCDF	JB	0.280	11.6	PQL	ng/Kg	
SL-036-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	3.30	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.130	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0200	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0269	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0788	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0102	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0600	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0221	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0243	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0249	5.71	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0178	5.71	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0387	5.71	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0283	1.14	PQL	ng/Kg	
	OCDF	JB	0.328	11.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-053-SA5DN-SB-11.5-12.5	1,2,3,4,6,7,8-HPCDD	JB	0.492	5.42	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0476	5.42	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0238	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0417	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0402	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0284	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0651	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0405	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0176	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0291	5.42	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0233	5.42	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0665	5.42	PQL	ng/Kg	
	OCDD	JB	1.55	10.8	PQL	ng/Kg	
	OCDF	JB	0.127	10.8	PQL	ng/Kg	
SL-053-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.689	5.77	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0476	5.77	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0232	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0117	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0738	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0219	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.104	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.113	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0170	5.77	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0129	5.77	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0319	5.77	PQL	ng/Kg	
	OCDD	JB	4.65	11.5	PQL	ng/Kg	
	OCDF	JB	0.127	11.5	PQL	ng/Kg	
SL-071-SA8N-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JB	0.711	5.27	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.134	5.27	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0427	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0738	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.127	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.966	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.186	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.68	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.391	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.286	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.311	5.27	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0848	5.27	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.218	5.27	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0498	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0758	1.05	PQL	ng/Kg	
	OCDD	JB	2.40	10.5	PQL	ng/Kg	
	OCDF	JB	0.192	10.5	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-079-SA8N-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.559	5.69	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0435	5.69	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0140	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0155	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0150	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0345	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0203	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0437	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0221	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0348	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0211	5.69	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0121	5.69	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0498	5.69	PQL	ng/Kg	
	OCDD	JB	1.14	11.4	PQL	ng/Kg	
	OCDF	JB	0.0709	11.4	PQL	ng/Kg	
SL-079-SA8N-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.758	5.80	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.122	5.80	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0482	5.80	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0872	5.80	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.167	5.80	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.111	5.80	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.139	5.80	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.128	5.80	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.107	5.80	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.202	5.80	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.250	5.80	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0910	5.80	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.237	5.80	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0437	1.16	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0841	1.16	PQL	ng/Kg	
SL-122-SA8N-SB-2.0-3.0	OCDD	JB	3.23	11.6	PQL	ng/Kg	J (all detects)
	OCDF	JB	0.203	11.6	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDD	JB	1.02	5.38	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.229	5.38	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0335	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0779	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.165	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.128	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.122	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.176	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0967	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.155	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.248	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0862	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.245	5.38	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0932	1.08	PQL	ng/Kg	
	OCDD	JB	7.69	10.8	PQL	ng/Kg	
	OCDF	JB	0.341	10.8	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX099

Laboratory: LL

EDD Filename: DX099_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-133-SA8N-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.07	5.74	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.360	5.74	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0787	5.74	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.164	5.74	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.227	5.74	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.152	5.74	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.219	5.74	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.165	5.74	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.167	5.74	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.280	5.74	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.338	5.74	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.137	5.74	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.279	5.74	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0477	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0914	1.15	PQL	ng/Kg	
	OCDF	JB	0.570	11.5	PQL	ng/Kg	
SL-133-SA8N-SB-7.0-8.0	1,2,3,4,6,7,8-HPCDD	JB	1.54	5.70	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.375	5.70	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0678	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0480	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.102	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0711	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0497	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.123	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0592	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0196	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.228	5.70	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0439	5.70	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0910	5.70	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.244	1.14	PQL	ng/Kg	
	OCDF	JB	0.886	11.4	PQL	ng/Kg	
SL-140-SA8N-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JB	5.03	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.287	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0804	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.206	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.150	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.318	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0935	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.372	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.217	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.167	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.184	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0687	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.129	5.66	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0696	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0629	1.13	PQL	ng/Kg	
	OCDF	JB	0.600	11.3	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX100

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
08-Jun-2011	SL-025-SA5DN-SB-4.0-5.0	6310790	N	METHOD	1613B	IV
08-Jun-2011	SL-025-SA5DN-SB-23.0-24.0	6310791	N	METHOD	1613B	IV
08-Jun-2011	SL-076-SA8N-SB-4.0-5.0	6310796	N	METHOD	1613B	IV
08-Jun-2011	SL-076-SA8N-SB-4.0-5.0MS	6310797	MS	METHOD	1613B	IV
08-Jun-2011	SL-076-SA8N-SB-4.0-5.0MSD	6310798	MSD	METHOD	1613B	IV
08-Jun-2011	DUP10-SA8N-QC-060811	6310803	FD	METHOD	1613B	IV
08-Jun-2011	SL-023-SA5DN-SB-4.0-5.0	6310788	N	METHOD	1613B	IV
08-Jun-2011	SL-023-SA5DN-SB-20.0-21.0	6310789	N	METHOD	1613B	IV
08-Jun-2011	EB16-SA8N-SB-060811	6310804	EB	METHOD	1613B	IV
08-Jun-2011	SL-076-SA8N-SB-7.5-8.5	6310799	N	METHOD	1613B	IV
08-Jun-2011	SL-028-SA5DN-SB-4.0-5.0	6310792	N	METHOD	1613B	IV
08-Jun-2011	SL-028-SA5DN-SB-11.5-12.5	6310793	N	METHOD	1613B	IV
08-Jun-2011	SL-106-SA8N-SB-2.5-3.5	6310800	N	METHOD	1613B	IV
08-Jun-2011	SL-109-SA8N-SB-4.0-5.0	6310801	N	METHOD	1613B	IV
08-Jun-2011	SL-051-SA5DN-SB-4.0-5.0	6310794	N	METHOD	1613B	IV
08-Jun-2011	SL-051-SA5DN-SB-14.0-15.0	6310795	N	METHOD	1613B	IV
08-Jun-2011	SL-109-SA8N-SB-9.0-10.0	6310802	N	METHOD	1613B	IV
09-Jun-2011	SL-039-SA5DN-SB-4.0-5.0	6312187	N	METHOD	1613B	IV
09-Jun-2011	SL-039-SA5DN-SB-11.5-12.5	6312188	N	METHOD	1613B	IV
09-Jun-2011	SL-038-SA5DN-SB-4.0-5.0	6312185	N	METHOD	1613B	IV
09-Jun-2011	SL-038-SA5DN-SB-10.5-11.5	6312186	N	METHOD	1613B	IV
09-Jun-2011	SL-037-SA5DN-SB-4.0-5.0	6312183	N	METHOD	1613B	IV
09-Jun-2011	SL-037-SA5DN-SB-11.5-12.5	6312184	N	METHOD	1613B	IV

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: AQ

Sample ID: EB16-SA8N-SB-060811

Collected: 6/8/2011 1:45:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	6.00	JB	0.396	MDL	10.1	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	1.22	JB	0.163	MDL	10.1	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.343	JB	0.186	MDL	10.1	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.315	JBQ	0.266	MDL	10.1	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDF	0.368	JBQ	0.237	MDL	10.1	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDD	0.778	JBQ	0.279	MDL	10.1	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.532	JBQ	0.412	MDL	10.1	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.362	JBQ	0.251	MDL	10.1	PQL	pg/L	U	B
2,3,4,6,7,8-HxCDF	0.436	JBQ	0.223	MDL	10.1	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.947	JBQ	0.226	MDL	10.1	PQL	pg/L	U	B
OCDD	12.4	JBQ	0.395	MDL	20.1	PQL	pg/L	U	B
OCDF	1.17	JBQ	0.487	MDL	20.1	PQL	pg/L	U	B

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP10-SA8N-QC-060811

Collected: 6/8/2011 10:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.70	JB	0.0407	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.185	JB	0.0128	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0424	JBQ	0.0182	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0227	U	0.0227	MDL	5.53	PQL	ng/Kg	UJ	FD
1,2,3,4,7,8-HxCDF	0.550	JBQ	0.0251	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.0801	JBQ	0.0235	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.156	JB	0.0231	MDL	5.53	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDD	0.0803	JB	0.0218	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.106	JB	0.0271	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0192	JB	0.0191	MDL	5.53	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	1.96	JB	0.0420	MDL	5.53	PQL	ng/Kg	J	Z, FD
2,3,4,6,7,8-HxCDF	0.0353	JBQ	0.0249	MDL	5.53	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.0394	U	0.0394	MDL	5.53	PQL	ng/Kg	UJ	FD
2,3,7,8-TCDD	0.0158	U	0.0158	MDL	1.11	PQL	ng/Kg	UJ	FD
2,3,7,8-TCDF	0.514	JB	0.0783	MDL	1.11	PQL	ng/Kg	J	Z, FD

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 9:05:29 AM

ADR version 1.4.0.111

Page 1 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP10-SA8N-QC-060811

Collected: 6/8/2011 10:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	0.338	JB	0.0347	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-023-SA5DN-SB-20.0-21.0

Collected: 6/8/2011 11:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.342	JB	0.0242	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0303	JBQ	0.00780	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0160	JBQ	0.0145	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0225	JB	0.00879	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0387	JB	0.0160	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0163	JBQ	0.00747	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0579	JBQ	0.0154	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0394	JBQ	0.00934	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0136	JBQ	0.00758	MDL	5.44	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0350	JBQ	0.00758	MDL	5.44	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0368	JB	0.00758	MDL	5.44	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0220	JQ	0.0152	MDL	1.09	PQL	ng/Kg	J	Z
OCDD	0.693	JB	0.0291	MDL	10.9	PQL	ng/Kg	U	B
OCDF	0.100	JBQ	0.0342	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-023-SA5DN-SB-4.0-5.0

Collected: 6/8/2011 11:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.02	JB	0.0333	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.100	JB	0.00896	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0197	JB	0.0158	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0242	JBQ	0.0193	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0947	JB	0.0127	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.127	JBQ	0.0196	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0294	JB	0.0108	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.176	JB	0.0183	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.228	JB	0.0146	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0528	JB	0.0145	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.132	JB	0.0107	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0385	JBQ	0.0118	MDL	5.48	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 9:05:29 AM

ADR version 1.4.0.111

Page 2 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-023-SA5DN-SB-4.0-5.0

Collected: 6/8/2011 11:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,7,8-PECDF	0.0753	JB	0.0109	MDL	5.48	PQL	ng/Kg	U	B
OCDF	0.328	JB	0.0329	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-025-SA5DN-SB-23.0-24.0

Collected: 6/8/2011 9:40:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCCD	0.339	JB	0.0228	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0238	JBQ	0.00644	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0227	JBQ	0.0101	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0133	JBQ	0.00666	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0294	JBQ	0.0115	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.00816	JBQ	0.00577	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0351	JBQ	0.0110	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0210	JB	0.00655	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0182	JBQ	0.0151	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0131	JBQ	0.00677	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0470	JBQ	0.00677	MDL	5.52	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0244	JB	0.0153	MDL	1.10	PQL	ng/Kg	U	B
OCDD	0.807	JB	0.0293	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.0616	JB	0.0311	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-025-SA5DN-SB-4.0-5.0

Collected: 6/8/2011 9:30:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCCD	2.07	JB	0.0354	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.0667	JB	0.00881	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0171	JB	0.0153	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0192	JBQ	0.0173	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.103	JB	0.0174	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0118	JBQ	0.00881	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.148	JB	0.0167	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.199	JB	0.0114	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0194	JBQ	0.0171	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0372	JBQ	0.00836	MDL	5.57	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0103	JBQ	0.00983	MDL	5.57	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 9:05:30 AM

ADR version 1.4.0.111

Page 3 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-025-SA5DN-SB-4.0-5.0

Collected: 6/8/2011 9:30:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,7,8-PECDF	0.0361	JBQ	0.00825	MDL	5.57	PQL	ng/Kg	U	B
OCDF	0.176	JB	0.0359	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-028-SA5DN-SB-11.5-12.5

Collected: 6/8/2011 2:20:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	4.65	JB	0.0615	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.453	JB	0.0286	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.230	JB	0.0376	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0541	JB	0.0344	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.418	JB	0.0302	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.153	JB	0.0361	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.117	JB	0.0271	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.187	JB	0.0346	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.211	JBQ	0.0268	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.140	JBQ	0.0181	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.129	JB	0.0247	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.03	JB	0.0180	MDL	5.37	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.120	J	0.0690	MDL	1.07	PQL	ng/Kg	J	Z
OCDF	1.34	JB	0.0522	MDL	10.7	PQL	ng/Kg	U	B

Sample ID: SL-028-SA5DN-SB-4.0-5.0

Collected: 6/8/2011 2:10:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.80	JB	0.0678	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.390	JB	0.0284	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0992	JBQ	0.0484	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0711	JBQ	0.0354	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0342	JBQ	0.0274	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.212	JB	0.0370	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0597	JBQ	0.0246	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.284	JB	0.0345	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.327	JB	0.0327	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0653	JBQ	0.0230	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.148	JBQ	0.0151	MDL	5.81	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 9:05:30 AM

ADR version 1.4.0.111

Page 4 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-028-SA5DN-SB-4.0-5.0

Collected: 6/8/2011 2:10:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,6,7,8-HXCDF	0.0600	JBQ	0.0265	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.156	JB	0.0160	MDL	5.81	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0418	J	0.0260	MDL	1.16	PQL	ng/Kg	J	Z
OCDF	1.11	JB	0.0629	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-037-SA5DN-SB-11.5-12.5

Collected: 6/9/2011 3:30:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.379	JB	0.0287	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0437	JBQ	0.00804	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0423	JBQ	0.0159	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0355	JBQ	0.0152	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0366	JBQ	0.00961	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0448	JBQ	0.0158	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0401	JB	0.00771	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0548	JBQ	0.0147	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0510	JB	0.0112	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0480	JBQ	0.0130	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0850	JBQ	0.00682	MDL	5.50	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0319	JB	0.00905	MDL	5.50	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0796	JBQ	0.00715	MDL	5.50	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0317	JQ	0.0132	MDL	1.10	PQL	ng/Kg	J	Z
OCDD	0.856	JBQ	0.0331	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.0806	JBQ	0.0451	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-037-SA5DN-SB-4.0-5.0

Collected: 6/9/2011 3:20:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.63	JB	0.0449	MDL	5.97	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.320	JB	0.0174	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0577	JB	0.0334	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0470	JB	0.0297	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.147	JBQ	0.0276	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.335	JBQ	0.0318	MDL	5.97	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0921	JB	0.0230	MDL	5.97	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 9:05:30 AM

ADR version 1.4.0.111

Page 5 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-037-SA5DN-SB-4.0-5.0

Collected: 6/9/2011 3:20:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDD	0.419	JB	0.0302	MDL	5.97	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.571	JB	0.0319	MDL	5.97	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.101	JB	0.0235	MDL	5.97	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.338	JB	0.0245	MDL	5.97	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0651	JB	0.0244	MDL	5.97	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.131	JB	0.0262	MDL	5.97	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0502	JBQ	0.0146	MDL	1.19	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0623	J	0.0325	MDL	1.19	PQL	ng/Kg	J	Z
OCDF	0.760	JB	0.0548	MDL	11.9	PQL	ng/Kg	U	B

Sample ID: SL-038-SA5DN-SB-10.5-11.5

Collected: 6/9/2011 2:20:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.85	JB	0.0301	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0806	JBQ	0.0117	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0685	JB	0.0155	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0213	JBQ	0.0118	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0359	JBQ	0.0129	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0251	JB	0.00852	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0191	JBQ	0.0115	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0365	JB	0.00664	MDL	5.45	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0186	JBQ	0.00675	MDL	5.45	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0368	JB	0.00708	MDL	5.45	PQL	ng/Kg	U	B
OCDF	0.251	JBQ	0.0358	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-038-SA5DN-SB-4.0-5.0

Collected: 6/9/2011 2:10:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.73	JB	0.0492	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.189	JB	0.0367	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.126	JBQ	0.0384	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.770	JBQ	0.0733	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.940	JB	0.0415	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.211	JB	0.0740	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.801	JB	0.0381	MDL	5.54	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 9:05:30 AM

ADR version 1.4.0.111

Page 6 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-038-SA5DN-SB-4.0-5.0

Collected: 6/9/2011 2:10:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	0.683	JB	0.0350	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.190	JB	0.0282	MDL	5.54	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.139	JB	0.0302	MDL	5.54	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.515	JB	0.0266	MDL	5.54	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0316	JB	0.0154	MDL	1.11	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.207	JQ	0.0423	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	6.00	JB	0.0333	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-039-SA5DN-SB-11.5-12.5

Collected: 6/9/2011 11:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.937	JB	0.0199	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0849	JBQ	0.0405	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0361	JBQ	0.0347	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0298	JB	0.0238	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.326	JB	0.0367	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0577	JB	0.0186	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.107	JB	0.0360	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0380	JBQ	0.0254	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0180	JBQ	0.00726	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0465	JBQ	0.0203	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0558	JB	0.00760	MDL	5.62	PQL	ng/Kg	U	B
OCDF	2.81	JB	0.0360	MDL	11.2	PQL	ng/Kg	J	Z

Sample ID: SL-039-SA5DN-SB-4.0-5.0

Collected: 6/9/2011 11:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.13	JB	0.0717	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.03	JB	0.0995	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.819	JB	0.0935	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.716	JB	0.0776	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.54	JB	0.0964	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.576	JB	0.0624	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.617	JB	0.0355	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.159	JB	0.0294	MDL	5.77	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 9:05:30 AM

ADR version 1.4.0.111

Page 7 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-039-SA5DN-SB-4.0-5.0

Collected: 6/9/2011 11:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,6,7,8-HXCDF	0.412	JB	0.0482	MDL	5.77	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.657	JB	0.0303	MDL	5.77	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0267	JBQ	0.0119	MDL	1.15	PQL	ng/Kg	U	B
OCDD	6890	EB	0.175	MDL	11.5	PQL	ng/Kg	J	*XI

Sample ID: SL-051-SA5DN-SB-14.0-15.0

Collected: 6/8/2011 3:35:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.380	JB	0.0320	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0430	JBQ	0.00913	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0474	JB	0.0164	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0345	JBQ	0.0184	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0609	JBQ	0.0131	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0671	JB	0.0189	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0670	JB	0.0110	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0768	JB	0.0182	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0562	JBQ	0.0148	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0837	JB	0.0162	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.105	JB	0.00822	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0433	JB	0.0124	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.103	JB	0.00845	MDL	5.48	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0349	JBQ	0.0151	MDL	1.10	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0307	JQ	0.0137	MDL	1.10	PQL	ng/Kg	J	Z
OCDD	0.937	JB	0.0439	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.133	JB	0.0424	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-051-SA5DN-SB-4.0-5.0

Collected: 6/8/2011 3:25:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.701	JBQ	0.0507	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0664	JBQ	0.0128	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0267	JBQ	0.0221	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0455	JBQ	0.0221	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0508	JBQ	0.0145	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.103	JB	0.0221	MDL	5.65	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 9:05:30 AM

ADR version 1.4.0.111

Page 8 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-051-SA5DN-SB-4.0-5.0

Collected: 6/8/2011 3:25:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDF	0.0517	JB	0.0126	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.130	JB	0.0211	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.173	JBQ	0.0176	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0777	JB	0.0163	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0958	JB	0.00839	MDL	5.65	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0912	JBQ	0.00873	MDL	5.65	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0220	JB	0.0149	MDL	1.13	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0204	J	0.0146	MDL	1.13	PQL	ng/Kg	J	Z
OCDD	4.11	JB	0.0350	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.105	JB	0.0541	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-076-SA8N-SB-4.0-5.0

Collected: 6/8/2011 10:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.44	JB	0.0386	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.180	JBQ	0.0141	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0419	JBQ	0.0172	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0482	JBQ	0.0195	MDL	5.54	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HXCDF	0.593	JB	0.0272	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.106	JB	0.0194	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0805	JBQ	0.0238	MDL	5.54	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HXCDD	0.129	JB	0.0186	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.104	JBQ	0.0210	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0871	JBQ	0.0191	MDL	5.54	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDF	0.167	JBQ	0.0218	MDL	5.54	PQL	ng/Kg	J	Z, FD
2,3,4,6,7,8-HXCDF	0.0621	JBQ	0.0176	MDL	5.54	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.369	JB	0.0212	MDL	5.54	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDD	0.0291	JBQ	0.0140	MDL	1.11	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDF	0.118	J	0.0499	MDL	1.11	PQL	ng/Kg	J	Z, FD
OCDF	0.264	JBQ	0.0414	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-076-SA8N-SB-7.5-8.5

Collected: 6/8/2011 2:00:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.474	JB	0.0382	MDL	5.64	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 9:05:30 AM

ADR version 1.4.0.111

Page 9 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-076-SA8N-SB-7.5-8.5

Collected: 6/8/2011 2:00:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.0539	JB	0.0114	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0259	JB	0.0174	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0307	JBQ	0.00944	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0336	JB	0.0185	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0262	JBQ	0.00875	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0362	JBQ	0.0171	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0447	JB	0.0108	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0397	JBQ	0.0147	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.115	JBQ	0.00978	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0131	JBQ	0.00886	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0522	JBQ	0.00921	MDL	5.64	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0146	J	0.0139	MDL	1.13	PQL	ng/Kg	J	Z
OCDD	1.64	JB	0.0409	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.132	JBQ	0.0394	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-106-SA8N-SB-2.5-3.5

Collected: 6/8/2011 3:20:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.555	JB	0.0391	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0405	JB	0.0106	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0200	JBQ	0.0164	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0196	JBQ	0.00958	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0222	JB	0.00878	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0492	JB	0.0159	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0140	JBQ	0.00982	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0136	JBQ	0.00774	MDL	5.74	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0193	JBQ	0.00935	MDL	5.74	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0495	JBQ	0.00762	MDL	5.74	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0172	JQ	0.0144	MDL	1.15	PQL	ng/Kg	J	Z
OCDD	1.32	JBQ	0.0367	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.140	JB	0.0411	MDL	11.5	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 9:05:30 AM

ADR version 1.4.0.111

Page 10 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-109-SA8N-SB-4.0-5.0

Collected: 6/8/2011 3:20:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.346	JB	0.0227	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0326	JBQ	0.00734	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0271	JBQ	0.0133	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0193	JB	0.0114	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0262	JBQ	0.00906	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0263	JBQ	0.0119	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0144	JBQ	0.00757	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0412	JB	0.0114	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0172	JB	0.00894	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0127	JB	0.00654	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0340	JB	0.00700	MDL	5.71	PQL	ng/Kg	U	B
OCDD	1.09	JB	0.0286	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.0772	JB	0.0321	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-109-SA8N-SB-9.0-10.0

Collected: 6/8/2011 3:55:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.467	JB	0.0282	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0327	JBQ	0.00867	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0233	JB	0.0129	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0225	JBQ	0.0140	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0326	JBQ	0.0134	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0169	JBQ	0.00821	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0144	JBQ	0.0136	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0141	JBQ	0.00636	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.00726	JB	0.00705	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0430	JBQ	0.00601	MDL	5.73	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0123	JB	0.0116	MDL	1.15	PQL	ng/Kg	U	B
OCDD	1.14	JB	0.0287	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.0856	JBQ	0.0353	MDL	11.5	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 9:05:30 AM

ADR version 1.4.0.111

Page 11 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*XI	Compound Quantitation and CRQLs
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Laboratory Triplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 9:05:30 AM

ADR version 1.4.0.111

Page 12 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Laboratory Triplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 9:05:30 AM

ADR version 1.4.0.111

Page 13 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Q	Matrix Spike Upper Rejection
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 9:05:30 AM

ADR version 1.4.0.111

Page 14 of 14

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX100

Method Blank Outlier Report

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B Matrix: AQ				
Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1610B372350	6/14/2011 11:50:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HXCDF 1,2,3,6,7,8-HXCDD 1,2,3,6,7,8-HXCDF 1,2,3,7,8,9-HXCDD 1,2,3,7,8,9-HXCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HXCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD OCDD OCDF	5.46 pg/L 1.68 pg/L 1.16 pg/L 0.701 pg/L 0.730 pg/L 0.697 pg/L 0.764 pg/L 1.10 pg/L 0.850 pg/L 0.608 pg/L 0.737 pg/L 0.683 pg/L 0.940 pg/L 0.359 pg/L 13.0 pg/L 5.00 pg/L	EB16-SA8N-SB-060811

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
EB16-SA8N-SB-060811(RES)	1,2,3,4,6,7,8-HPCDD	6.00 pg/L	6.00U pg/L
EB16-SA8N-SB-060811(RES)	1,2,3,4,6,7,8-HPCDF	1.22 pg/L	1.22U pg/L
EB16-SA8N-SB-060811(RES)	1,2,3,4,7,8,9-HPCDF	0.343 pg/L	0.343U pg/L
EB16-SA8N-SB-060811(RES)	1,2,3,4,7,8-HxCDD	0.315 pg/L	0.315U pg/L
EB16-SA8N-SB-060811(RES)	1,2,3,4,7,8-HXCDF	0.368 pg/L	0.368U pg/L
EB16-SA8N-SB-060811(RES)	1,2,3,7,8,9-HXCDD	0.778 pg/L	0.778U pg/L
EB16-SA8N-SB-060811(RES)	1,2,3,7,8-PECDD	0.532 pg/L	0.532U pg/L
EB16-SA8N-SB-060811(RES)	1,2,3,7,8-PECDF	0.362 pg/L	0.362U pg/L
EB16-SA8N-SB-060811(RES)	2,3,4,6,7,8-HXCDF	0.436 pg/L	0.436U pg/L
EB16-SA8N-SB-060811(RES)	2,3,4,7,8-PECDF	0.947 pg/L	0.947U pg/L
EB16-SA8N-SB-060811(RES)	OCDD	12.4 pg/L	12.4U pg/L
EB16-SA8N-SB-060811(RES)	OCDF	1.17 pg/L	1.17U pg/L

Method Blank Outlier Report

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B Matrix: SO				
Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1730B372038	6/24/2011 8:38:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD OCDD OCDF	0.396 ng/Kg 0.0675 ng/Kg 0.0845 ng/Kg 0.0157 ng/Kg 0.0434 ng/Kg 0.0303 ng/Kg 0.0150 ng/Kg 0.0403 ng/Kg 0.0235 ng/Kg 0.0170 ng/Kg 0.0266 ng/Kg 0.0249 ng/Kg 0.0451 ng/Kg 0.0163 ng/Kg 0.888 ng/Kg 0.324 ng/Kg	SL-023-SA5DN-SB-20.0-21.0 SL-023-SA5DN-SB-4.0-5.0 SL-025-SA5DN-SB-23.0-24.0 SL-025-SA5DN-SB-4.0-5.0 SL-028-SA5DN-SB-11.5-12.5 SL-028-SA5DN-SB-4.0-5.0 SL-037-SA5DN-SB-11.5-12.5 SL-037-SA5DN-SB-4.0-5.0 SL-038-SA5DN-SB-10.5-11.5 SL-038-SA5DN-SB-4.0-5.0 SL-039-SA5DN-SB-11.5-12.5 SL-039-SA5DN-SB-4.0-5.0 SL-051-SA5DN-SB-14.0-15.0 SL-051-SA5DN-SB-4.0-5.0 SL-076-SA8N-SB-4.0-5.0 SL-109-SA8N-SB-4.0-5.0
BLK1780B371754	6/28/2011 5:54:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDF OCDD OCDF	0.357 ng/Kg 0.113 ng/Kg 0.0781 ng/Kg 0.0572 ng/Kg 0.0465 ng/Kg 0.0570 ng/Kg 0.0500 ng/Kg 0.0780 ng/Kg 0.0771 ng/Kg 0.0470 ng/Kg 0.0379 ng/Kg 0.0295 ng/Kg 0.0563 ng/Kg 0.0118 ng/Kg 0.811 ng/Kg 0.234 ng/Kg	DUP10-SA8N-QC-060811 SL-076-SA8N-SB-7.5-8.5 SL-106-SA8N-SB-2.5-3.5 SL-109-SA8N-SB-9.0-10.0

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP10-SA8N-QC-060811(RES)	1,2,3,4,6,7,8-HPCDD	1.70 ng/Kg	1.70U ng/Kg
DUP10-SA8N-QC-060811(RES)	1,2,3,4,6,7,8-HPCDF	0.185 ng/Kg	0.185U ng/Kg
DUP10-SA8N-QC-060811(RES)	1,2,3,4,7,8,9-HPCDF	0.0424 ng/Kg	0.0424U ng/Kg
DUP10-SA8N-QC-060811(RES)	1,2,3,6,7,8-HxCDD	0.0801 ng/Kg	0.0801U ng/Kg
DUP10-SA8N-QC-060811(RES)	1,2,3,6,7,8-HxCDF	0.156 ng/Kg	0.156U ng/Kg
DUP10-SA8N-QC-060811(RES)	1,2,3,7,8,9-HxCDD	0.0803 ng/Kg	0.0803U ng/Kg
DUP10-SA8N-QC-060811(RES)	1,2,3,7,8,9-HxCDF	0.106 ng/Kg	0.106U ng/Kg
DUP10-SA8N-QC-060811(RES)	1,2,3,7,8-PECDD	0.0192 ng/Kg	0.0192U ng/Kg
DUP10-SA8N-QC-060811(RES)	2,3,4,6,7,8-HxCDF	0.0353 ng/Kg	0.0353U ng/Kg
DUP10-SA8N-QC-060811(RES)	OCDF	0.338 ng/Kg	0.338U ng/Kg
SL-023-SA5DN-SB-20.0-21.0(RES)	1,2,3,4,6,7,8-HPCDD	0.342 ng/Kg	0.342U ng/Kg
SL-023-SA5DN-SB-20.0-21.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0303 ng/Kg	0.0303U ng/Kg
SL-023-SA5DN-SB-20.0-21.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0160 ng/Kg	0.0160U ng/Kg
SL-023-SA5DN-SB-20.0-21.0(RES)	1,2,3,4,7,8-HxCDF	0.0225 ng/Kg	0.0225U ng/Kg
SL-023-SA5DN-SB-20.0-21.0(RES)	1,2,3,6,7,8-HxCDD	0.0387 ng/Kg	0.0387U ng/Kg
SL-023-SA5DN-SB-20.0-21.0(RES)	1,2,3,6,7,8-HxCDF	0.0163 ng/Kg	0.0163U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 9:05:00 AM

ADR version 1.4.0.111

Page 2 of 8

Method Blank Outlier Report

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-023-SA5DN-SB-20.0-21.0(RES)	1,2,3,7,8,9-HXCDD	0.0579 ng/Kg	0.0579U ng/Kg
SL-023-SA5DN-SB-20.0-21.0(RES)	1,2,3,7,8,9-HXCDF	0.0394 ng/Kg	0.0394U ng/Kg
SL-023-SA5DN-SB-20.0-21.0(RES)	1,2,3,7,8-PECDF	0.0136 ng/Kg	0.0136U ng/Kg
SL-023-SA5DN-SB-20.0-21.0(RES)	2,3,4,6,7,8-HXCDF	0.0350 ng/Kg	0.0350U ng/Kg
SL-023-SA5DN-SB-20.0-21.0(RES)	2,3,4,7,8-PECDF	0.0368 ng/Kg	0.0368U ng/Kg
SL-023-SA5DN-SB-20.0-21.0(RES)	OCDD	0.693 ng/Kg	0.693U ng/Kg
SL-023-SA5DN-SB-20.0-21.0(RES)	OCDF	0.100 ng/Kg	0.100U ng/Kg
SL-023-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.100 ng/Kg	0.100U ng/Kg
SL-023-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0197 ng/Kg	0.0197U ng/Kg
SL-023-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0242 ng/Kg	0.0242U ng/Kg
SL-023-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0947 ng/Kg	0.0947U ng/Kg
SL-023-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.127 ng/Kg	0.127U ng/Kg
SL-023-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0294 ng/Kg	0.0294U ng/Kg
SL-023-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.176 ng/Kg	0.176U ng/Kg
SL-023-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0528 ng/Kg	0.0528U ng/Kg
SL-023-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.132 ng/Kg	0.132U ng/Kg
SL-023-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0385 ng/Kg	0.0385U ng/Kg
SL-023-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0753 ng/Kg	0.0753U ng/Kg
SL-023-SA5DN-SB-4.0-5.0(RES)	OCDF	0.328 ng/Kg	0.328U ng/Kg
SL-025-SA5DN-SB-23.0-24.0(RES)	1,2,3,4,6,7,8-HPCDD	0.339 ng/Kg	0.339U ng/Kg
SL-025-SA5DN-SB-23.0-24.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0238 ng/Kg	0.0238U ng/Kg
SL-025-SA5DN-SB-23.0-24.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0227 ng/Kg	0.0227U ng/Kg
SL-025-SA5DN-SB-23.0-24.0(RES)	1,2,3,4,7,8-HXCDF	0.0133 ng/Kg	0.0133U ng/Kg
SL-025-SA5DN-SB-23.0-24.0(RES)	1,2,3,6,7,8-HXCDD	0.0294 ng/Kg	0.0294U ng/Kg
SL-025-SA5DN-SB-23.0-24.0(RES)	1,2,3,6,7,8-HXCDF	0.00816 ng/Kg	0.00816U ng/Kg
SL-025-SA5DN-SB-23.0-24.0(RES)	1,2,3,7,8,9-HXCDD	0.0351 ng/Kg	0.0351U ng/Kg
SL-025-SA5DN-SB-23.0-24.0(RES)	1,2,3,7,8,9-HXCDF	0.0210 ng/Kg	0.0210U ng/Kg
SL-025-SA5DN-SB-23.0-24.0(RES)	1,2,3,7,8-PECDD	0.0182 ng/Kg	0.0182U ng/Kg
SL-025-SA5DN-SB-23.0-24.0(RES)	1,2,3,7,8-PECDF	0.0131 ng/Kg	0.0131U ng/Kg
SL-025-SA5DN-SB-23.0-24.0(RES)	2,3,4,7,8-PECDF	0.0470 ng/Kg	0.0470U ng/Kg
SL-025-SA5DN-SB-23.0-24.0(RES)	2,3,7,8-TCDD	0.0244 ng/Kg	0.0244U ng/Kg
SL-025-SA5DN-SB-23.0-24.0(RES)	OCDD	0.807 ng/Kg	0.807U ng/Kg
SL-025-SA5DN-SB-23.0-24.0(RES)	OCDF	0.0616 ng/Kg	0.0616U ng/Kg
SL-025-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0667 ng/Kg	0.0667U ng/Kg
SL-025-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0171 ng/Kg	0.0171U ng/Kg
SL-025-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0192 ng/Kg	0.0192U ng/Kg
SL-025-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.103 ng/Kg	0.103U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 9:05:00 AM

ADR version 1.4.0.111

Page 3 of 8

Method Blank Outlier Report

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-025-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0118 ng/Kg	0.0118U ng/Kg
SL-025-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.148 ng/Kg	0.148U ng/Kg
SL-025-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0194 ng/Kg	0.0194U ng/Kg
SL-025-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0372 ng/Kg	0.0372U ng/Kg
SL-025-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0103 ng/Kg	0.0103U ng/Kg
SL-025-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0361 ng/Kg	0.0361U ng/Kg
SL-025-SA5DN-SB-4.0-5.0(RES)	OCDF	0.176 ng/Kg	0.176U ng/Kg
SL-028-SA5DN-SB-11.5-12.5(RES)	1,2,3,4,7,8,9-HPCDF	0.230 ng/Kg	0.230U ng/Kg
SL-028-SA5DN-SB-11.5-12.5(RES)	1,2,3,4,7,8-HxCDD	0.0541 ng/Kg	0.0541U ng/Kg
SL-028-SA5DN-SB-11.5-12.5(RES)	1,2,3,7,8,9-HXCDD	0.187 ng/Kg	0.187U ng/Kg
SL-028-SA5DN-SB-11.5-12.5(RES)	OCDF	1.34 ng/Kg	1.34U ng/Kg
SL-028-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0992 ng/Kg	0.0992U ng/Kg
SL-028-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0711 ng/Kg	0.0711U ng/Kg
SL-028-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0342 ng/Kg	0.0342U ng/Kg
SL-028-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0597 ng/Kg	0.0597U ng/Kg
SL-028-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0653 ng/Kg	0.0653U ng/Kg
SL-028-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0600 ng/Kg	0.0600U ng/Kg
SL-028-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.156 ng/Kg	0.156U ng/Kg
SL-028-SA5DN-SB-4.0-5.0(RES)	OCDF	1.11 ng/Kg	1.11U ng/Kg
SL-037-SA5DN-SB-11.5-12.5(RES)	1,2,3,4,6,7,8-HPCDD	0.379 ng/Kg	0.379U ng/Kg
SL-037-SA5DN-SB-11.5-12.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0437 ng/Kg	0.0437U ng/Kg
SL-037-SA5DN-SB-11.5-12.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0423 ng/Kg	0.0423U ng/Kg
SL-037-SA5DN-SB-11.5-12.5(RES)	1,2,3,4,7,8-HxCDD	0.0355 ng/Kg	0.0355U ng/Kg
SL-037-SA5DN-SB-11.5-12.5(RES)	1,2,3,4,7,8-HXCDF	0.0366 ng/Kg	0.0366U ng/Kg
SL-037-SA5DN-SB-11.5-12.5(RES)	1,2,3,6,7,8-HXCDD	0.0448 ng/Kg	0.0448U ng/Kg
SL-037-SA5DN-SB-11.5-12.5(RES)	1,2,3,6,7,8-HXCDF	0.0401 ng/Kg	0.0401U ng/Kg
SL-037-SA5DN-SB-11.5-12.5(RES)	1,2,3,7,8,9-HXCDD	0.0548 ng/Kg	0.0548U ng/Kg
SL-037-SA5DN-SB-11.5-12.5(RES)	1,2,3,7,8,9-HXCDF	0.0510 ng/Kg	0.0510U ng/Kg
SL-037-SA5DN-SB-11.5-12.5(RES)	1,2,3,7,8-PECDD	0.0480 ng/Kg	0.0480U ng/Kg
SL-037-SA5DN-SB-11.5-12.5(RES)	1,2,3,7,8-PECDF	0.0850 ng/Kg	0.0850U ng/Kg
SL-037-SA5DN-SB-11.5-12.5(RES)	2,3,4,6,7,8-HXCDF	0.0319 ng/Kg	0.0319U ng/Kg
SL-037-SA5DN-SB-11.5-12.5(RES)	2,3,4,7,8-PECDF	0.0796 ng/Kg	0.0796U ng/Kg
SL-037-SA5DN-SB-11.5-12.5(RES)	OCDD	0.856 ng/Kg	0.856U ng/Kg
SL-037-SA5DN-SB-11.5-12.5(RES)	OCDF	0.0806 ng/Kg	0.0806U ng/Kg
SL-037-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.320 ng/Kg	0.320U ng/Kg
SL-037-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0577 ng/Kg	0.0577U ng/Kg
SL-037-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0470 ng/Kg	0.0470U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 9:05:01 AM

ADR version 1.4.0.111

Page 4 of 8

Method Blank Outlier Report

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-037-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.147 ng/Kg	0.147U ng/Kg
SL-037-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0651 ng/Kg	0.0651U ng/Kg
SL-037-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.131 ng/Kg	0.131U ng/Kg
SL-037-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0502 ng/Kg	0.0502U ng/Kg
SL-037-SA5DN-SB-4.0-5.0(RES)	OCDF	0.760 ng/Kg	0.760U ng/Kg
SL-038-SA5DN-SB-10.5-11.5(RES)	1,2,3,4,6,7,8-HPCDD	1.85 ng/Kg	1.85U ng/Kg
SL-038-SA5DN-SB-10.5-11.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0806 ng/Kg	0.0806U ng/Kg
SL-038-SA5DN-SB-10.5-11.5(RES)	1,2,3,6,7,8-HXCDD	0.0685 ng/Kg	0.0685U ng/Kg
SL-038-SA5DN-SB-10.5-11.5(RES)	1,2,3,6,7,8-HXCDF	0.0213 ng/Kg	0.0213U ng/Kg
SL-038-SA5DN-SB-10.5-11.5(RES)	1,2,3,7,8,9-HXCDD	0.0359 ng/Kg	0.0359U ng/Kg
SL-038-SA5DN-SB-10.5-11.5(RES)	1,2,3,7,8,9-HXCDF	0.0251 ng/Kg	0.0251U ng/Kg
SL-038-SA5DN-SB-10.5-11.5(RES)	1,2,3,7,8-PECDD	0.0191 ng/Kg	0.0191U ng/Kg
SL-038-SA5DN-SB-10.5-11.5(RES)	1,2,3,7,8-PECDF	0.0365 ng/Kg	0.0365U ng/Kg
SL-038-SA5DN-SB-10.5-11.5(RES)	2,3,4,6,7,8-HXCDF	0.0186 ng/Kg	0.0186U ng/Kg
SL-038-SA5DN-SB-10.5-11.5(RES)	2,3,4,7,8-PECDF	0.0368 ng/Kg	0.0368U ng/Kg
SL-038-SA5DN-SB-10.5-11.5(RES)	OCDF	0.251 ng/Kg	0.251U ng/Kg
SL-038-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.189 ng/Kg	0.189U ng/Kg
SL-038-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0316 ng/Kg	0.0316U ng/Kg
SL-039-SA5DN-SB-11.5-12.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0849 ng/Kg	0.0849U ng/Kg
SL-039-SA5DN-SB-11.5-12.5(RES)	1,2,3,4,7,8-HxCDD	0.0361 ng/Kg	0.0361U ng/Kg
SL-039-SA5DN-SB-11.5-12.5(RES)	1,2,3,4,7,8-HXCDF	0.0298 ng/Kg	0.0298U ng/Kg
SL-039-SA5DN-SB-11.5-12.5(RES)	1,2,3,6,7,8-HXCDF	0.0577 ng/Kg	0.0577U ng/Kg
SL-039-SA5DN-SB-11.5-12.5(RES)	1,2,3,7,8,9-HXCDD	0.107 ng/Kg	0.107U ng/Kg
SL-039-SA5DN-SB-11.5-12.5(RES)	1,2,3,7,8,9-HXCDF	0.0380 ng/Kg	0.0380U ng/Kg
SL-039-SA5DN-SB-11.5-12.5(RES)	1,2,3,7,8-PECDF	0.0180 ng/Kg	0.0180U ng/Kg
SL-039-SA5DN-SB-11.5-12.5(RES)	2,3,4,6,7,8-HXCDF	0.0465 ng/Kg	0.0465U ng/Kg
SL-039-SA5DN-SB-11.5-12.5(RES)	2,3,4,7,8-PECDF	0.0558 ng/Kg	0.0558U ng/Kg
SL-039-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0267 ng/Kg	0.0267U ng/Kg
SL-051-SA5DN-SB-14.0-15.0(RES)	1,2,3,4,6,7,8-HPCDD	0.380 ng/Kg	0.380U ng/Kg
SL-051-SA5DN-SB-14.0-15.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0430 ng/Kg	0.0430U ng/Kg
SL-051-SA5DN-SB-14.0-15.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0474 ng/Kg	0.0474U ng/Kg
SL-051-SA5DN-SB-14.0-15.0(RES)	1,2,3,4,7,8-HxCDD	0.0345 ng/Kg	0.0345U ng/Kg
SL-051-SA5DN-SB-14.0-15.0(RES)	1,2,3,4,7,8-HXCDF	0.0609 ng/Kg	0.0609U ng/Kg
SL-051-SA5DN-SB-14.0-15.0(RES)	1,2,3,6,7,8-HXCDD	0.0671 ng/Kg	0.0671U ng/Kg
SL-051-SA5DN-SB-14.0-15.0(RES)	1,2,3,6,7,8-HXCDF	0.0670 ng/Kg	0.0670U ng/Kg
SL-051-SA5DN-SB-14.0-15.0(RES)	1,2,3,7,8,9-HXCDD	0.0768 ng/Kg	0.0768U ng/Kg
SL-051-SA5DN-SB-14.0-15.0(RES)	1,2,3,7,8,9-HXCDF	0.0562 ng/Kg	0.0562U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 9:05:01 AM

ADR version 1.4.0.111

Page 5 of 8

Method Blank Outlier Report

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-051-SA5DN-SB-14.0-15.0(RES)	1,2,3,7,8-PECDD	0.0837 ng/Kg	0.0837U ng/Kg
SL-051-SA5DN-SB-14.0-15.0(RES)	1,2,3,7,8-PECDF	0.105 ng/Kg	0.105U ng/Kg
SL-051-SA5DN-SB-14.0-15.0(RES)	2,3,4,6,7,8-HXCDF	0.0433 ng/Kg	0.0433U ng/Kg
SL-051-SA5DN-SB-14.0-15.0(RES)	2,3,4,7,8-PECDF	0.103 ng/Kg	0.103U ng/Kg
SL-051-SA5DN-SB-14.0-15.0(RES)	2,3,7,8-TCDD	0.0349 ng/Kg	0.0349U ng/Kg
SL-051-SA5DN-SB-14.0-15.0(RES)	OCDD	0.937 ng/Kg	0.937U ng/Kg
SL-051-SA5DN-SB-14.0-15.0(RES)	OCDF	0.133 ng/Kg	0.133U ng/Kg
SL-051-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.701 ng/Kg	0.701U ng/Kg
SL-051-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0664 ng/Kg	0.0664U ng/Kg
SL-051-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0267 ng/Kg	0.0267U ng/Kg
SL-051-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0455 ng/Kg	0.0455U ng/Kg
SL-051-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0508 ng/Kg	0.0508U ng/Kg
SL-051-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.103 ng/Kg	0.103U ng/Kg
SL-051-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0517 ng/Kg	0.0517U ng/Kg
SL-051-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.130 ng/Kg	0.130U ng/Kg
SL-051-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0777 ng/Kg	0.0777U ng/Kg
SL-051-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0958 ng/Kg	0.0958U ng/Kg
SL-051-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0912 ng/Kg	0.0912U ng/Kg
SL-051-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0220 ng/Kg	0.0220U ng/Kg
SL-051-SA5DN-SB-4.0-5.0(RES)	OCDD	4.11 ng/Kg	4.11U ng/Kg
SL-051-SA5DN-SB-4.0-5.0(RES)	OCDF	0.105 ng/Kg	0.105U ng/Kg
SL-076-SA8N-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.44 ng/Kg	1.44U ng/Kg
SL-076-SA8N-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.180 ng/Kg	0.180U ng/Kg
SL-076-SA8N-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0419 ng/Kg	0.0419U ng/Kg
SL-076-SA8N-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0482 ng/Kg	0.0482U ng/Kg
SL-076-SA8N-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.106 ng/Kg	0.106U ng/Kg
SL-076-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.129 ng/Kg	0.129U ng/Kg
SL-076-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.104 ng/Kg	0.104U ng/Kg
SL-076-SA8N-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0621 ng/Kg	0.0621U ng/Kg
SL-076-SA8N-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0291 ng/Kg	0.0291U ng/Kg
SL-076-SA8N-SB-4.0-5.0(RES)	OCDF	0.264 ng/Kg	0.264U ng/Kg
SL-076-SA8N-SB-7.5-8.5(RES)	1,2,3,4,6,7,8-HPCDD	0.474 ng/Kg	0.474U ng/Kg
SL-076-SA8N-SB-7.5-8.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0539 ng/Kg	0.0539U ng/Kg
SL-076-SA8N-SB-7.5-8.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0259 ng/Kg	0.0259U ng/Kg
SL-076-SA8N-SB-7.5-8.5(RES)	1,2,3,4,7,8-HXCDF	0.0307 ng/Kg	0.0307U ng/Kg
SL-076-SA8N-SB-7.5-8.5(RES)	1,2,3,6,7,8-HXCDD	0.0336 ng/Kg	0.0336U ng/Kg
SL-076-SA8N-SB-7.5-8.5(RES)	1,2,3,6,7,8-HXCDF	0.0262 ng/Kg	0.0262U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 9:05:01 AM

ADR version 1.4.0.111

Page 6 of 8

Method Blank Outlier Report

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-076-SA8N-SB-7.5-8.5(RES)	1,2,3,7,8,9-HXCDD	0.0362 ng/Kg	0.0362U ng/Kg
SL-076-SA8N-SB-7.5-8.5(RES)	1,2,3,7,8,9-HXCDF	0.0447 ng/Kg	0.0447U ng/Kg
SL-076-SA8N-SB-7.5-8.5(RES)	1,2,3,7,8-PECDD	0.0397 ng/Kg	0.0397U ng/Kg
SL-076-SA8N-SB-7.5-8.5(RES)	1,2,3,7,8-PECDF	0.115 ng/Kg	0.115U ng/Kg
SL-076-SA8N-SB-7.5-8.5(RES)	2,3,4,6,7,8-HXCDF	0.0131 ng/Kg	0.0131U ng/Kg
SL-076-SA8N-SB-7.5-8.5(RES)	2,3,4,7,8-PECDF	0.0522 ng/Kg	0.0522U ng/Kg
SL-076-SA8N-SB-7.5-8.5(RES)	OCDD	1.64 ng/Kg	1.64U ng/Kg
SL-076-SA8N-SB-7.5-8.5(RES)	OCDF	0.132 ng/Kg	0.132U ng/Kg
SL-106-SA8N-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDD	0.555 ng/Kg	0.555U ng/Kg
SL-106-SA8N-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0405 ng/Kg	0.0405U ng/Kg
SL-106-SA8N-SB-2.5-3.5(RES)	1,2,3,4,7,8-HxCDD	0.0200 ng/Kg	0.0200U ng/Kg
SL-106-SA8N-SB-2.5-3.5(RES)	1,2,3,4,7,8-HXCDF	0.0196 ng/Kg	0.0196U ng/Kg
SL-106-SA8N-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDF	0.0222 ng/Kg	0.0222U ng/Kg
SL-106-SA8N-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDD	0.0492 ng/Kg	0.0492U ng/Kg
SL-106-SA8N-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDF	0.0140 ng/Kg	0.0140U ng/Kg
SL-106-SA8N-SB-2.5-3.5(RES)	1,2,3,7,8-PECDF	0.0136 ng/Kg	0.0136U ng/Kg
SL-106-SA8N-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.0193 ng/Kg	0.0193U ng/Kg
SL-106-SA8N-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.0495 ng/Kg	0.0495U ng/Kg
SL-106-SA8N-SB-2.5-3.5(RES)	OCDD	1.32 ng/Kg	1.32U ng/Kg
SL-106-SA8N-SB-2.5-3.5(RES)	OCDF	0.140 ng/Kg	0.140U ng/Kg
SL-109-SA8N-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.346 ng/Kg	0.346U ng/Kg
SL-109-SA8N-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0326 ng/Kg	0.0326U ng/Kg
SL-109-SA8N-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0271 ng/Kg	0.0271U ng/Kg
SL-109-SA8N-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0193 ng/Kg	0.0193U ng/Kg
SL-109-SA8N-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0262 ng/Kg	0.0262U ng/Kg
SL-109-SA8N-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0263 ng/Kg	0.0263U ng/Kg
SL-109-SA8N-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0144 ng/Kg	0.0144U ng/Kg
SL-109-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0412 ng/Kg	0.0412U ng/Kg
SL-109-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0172 ng/Kg	0.0172U ng/Kg
SL-109-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0127 ng/Kg	0.0127U ng/Kg
SL-109-SA8N-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0340 ng/Kg	0.0340U ng/Kg
SL-109-SA8N-SB-4.0-5.0(RES)	OCDD	1.09 ng/Kg	1.09U ng/Kg
SL-109-SA8N-SB-4.0-5.0(RES)	OCDF	0.0772 ng/Kg	0.0772U ng/Kg
SL-109-SA8N-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.467 ng/Kg	0.467U ng/Kg
SL-109-SA8N-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0327 ng/Kg	0.0327U ng/Kg
SL-109-SA8N-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0233 ng/Kg	0.0233U ng/Kg
SL-109-SA8N-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0225 ng/Kg	0.0225U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 9:05:01 AM

ADR version 1.4.0.111

Page 7 of 8

Method Blank Outlier Report

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
---------------------------	---------------	---------	--------	-----------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-109-SA8N-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0326 ng/Kg	0.0326U ng/Kg
SL-109-SA8N-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0169 ng/Kg	0.0169U ng/Kg
SL-109-SA8N-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0144 ng/Kg	0.0144U ng/Kg
SL-109-SA8N-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0141 ng/Kg	0.0141U ng/Kg
SL-109-SA8N-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.00726 ng/Kg	0.00726U ng/Kg
SL-109-SA8N-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0430 ng/Kg	0.0430U ng/Kg
SL-109-SA8N-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0123 ng/Kg	0.0123U ng/Kg
SL-109-SA8N-SB-9.0-10.0(RES)	OCDD	1.14 ng/Kg	1.14U ng/Kg
SL-109-SA8N-SB-9.0-10.0(RES)	OCDF	0.0856 ng/Kg	0.0856U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/29/2011 9:05:01 AM

ADR version 1.4.0.111

Page 8 of 8

Field Duplicate RPD Report

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-076-SA8N-SB-4.0-5.0	DUP10-SA8N-QC-060811			
MOISTURE	11.4	11.6	2		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-076-SA8N-SB-4.0-5.0	DUP10-SA8N-QC-060811			
1,2,3,4,6,7,8-HPCDD	1.44	1.70	17	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	0.180	0.185	3	50.00	
1,2,3,4,7,8,9-HPCDF	0.0419	0.0424	1	50.00	
1,2,3,4,7,8-HXCDF	0.593	0.550	8	50.00	
1,2,3,6,7,8-HXCDD	0.106	0.0801	28	50.00	
1,2,3,7,8,9-HXCDD	0.129	0.0803	47	50.00	
1,2,3,7,8,9-HXCDF	0.104	0.106	2	50.00	
OCDD	12.7	16.0	23	50.00	
OCDF	0.264	0.338	25	50.00	
1,2,3,4,7,8-HxCDD	0.0482	5.53 U	200	50.00	J(all detects) UJ(all non-detects)
1,2,3,6,7,8-HXCDF	0.0805	0.156	64	50.00	
1,2,3,7,8-PECDD	0.0871	0.0192	128	50.00	
1,2,3,7,8-PECDF	0.167	1.96	169	50.00	
2,3,4,6,7,8-HXCDF	0.0621	0.0353	55	50.00	
2,3,4,7,8-PECDF	0.369	5.53 U	200	50.00	
2,3,7,8-TCDD	0.0291	1.11 U	200	50.00	
2,3,7,8-TCDF	0.118	0.514	125	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB16-SA8N-SB-060811	1,2,3,4,6,7,8-HPCDD	JB	6.00	10.1	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.22	10.1	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	0.343	10.1	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JBQ	0.315	10.1	PQL	pg/L	
	1,2,3,4,7,8-HxCDF	JBQ	0.368	10.1	PQL	pg/L	
	1,2,3,7,8,9-HxCDD	JBQ	0.778	10.1	PQL	pg/L	
	1,2,3,7,8-PECDD	JBQ	0.532	10.1	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.362	10.1	PQL	pg/L	
	2,3,4,6,7,8-HxCDF	JBQ	0.436	10.1	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.947	10.1	PQL	pg/L	
	OCDD	JBQ	12.4	20.1	PQL	pg/L	
	OCDF	JBQ	1.17	20.1	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP10-SA8N-QC-060811	1,2,3,4,6,7,8-HPCDD	JB	1.70	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.185	5.53	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0424	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.550	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0801	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.156	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0803	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.106	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0192	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.96	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0353	5.53	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.514	1.11	PQL	ng/Kg	
SL-023-SA5DN-SB-20.0-21.0	OCDF	JB	0.338	11.1	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDD	JB	0.342	5.44	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0303	5.44	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0160	5.44	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0225	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0387	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0163	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0579	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0394	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0136	5.44	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0350	5.44	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0368	5.44	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0220	1.09	PQL	ng/Kg	
	OCDD	JB	0.693	10.9	PQL	ng/Kg	
	OCDF	JBQ	0.100	10.9	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-023-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.02	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.100	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HPCDF	JB	0.0197	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0242	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0947	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.127	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0294	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.176	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.228	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0528	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.132	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0385	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0753	5.48	PQL	ng/Kg	
	OCDF	JB	0.328	11.0	PQL	ng/Kg	
SL-025-SA5DN-SB-23.0-24.0	1,2,3,4,6,7,8-HPCDD	JB	0.339	5.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0238	5.52	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0227	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0133	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0294	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.00816	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0351	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0210	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0182	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0131	5.52	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0470	5.52	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0244	1.10	PQL	ng/Kg	
	OCDD	JB	0.807	11.0	PQL	ng/Kg	
	OCDF	JB	0.0616	11.0	PQL	ng/Kg	
SL-025-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.07	5.57	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0667	5.57	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0171	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0192	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.103	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0118	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.148	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.199	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0194	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0372	5.57	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0103	5.57	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0361	5.57	PQL	ng/Kg	
	OCDF	JB	0.176	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-028-SA5DN-SB-11.5-12.5	1,2,3,4,6,7,8-HPCDD	JB	4.65	5.37	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.453	5.37	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.230	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0541	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.418	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.153	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.117	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.187	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.211	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.140	5.37	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDD	JB	0.129	5.37	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.03	5.37	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.120	1.07	PQL	ng/Kg	
	OCDF	JB	1.34	10.7	PQL	ng/Kg	
SL-028-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.80	5.81	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.390	5.81	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0992	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0711	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0342	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.212	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0597	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.284	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.327	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0653	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.148	5.81	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDD	JBQ	0.0600	5.81	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.156	5.81	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0418	1.16	PQL	ng/Kg	
	OCDF	JB	1.11	11.6	PQL	ng/Kg	
SL-037-SA5DN-SB-11.5-12.5	1,2,3,4,6,7,8-HPCDD	JB	0.379	5.50	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0437	5.50	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0423	5.50	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0355	5.50	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0366	5.50	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0448	5.50	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0401	5.50	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0548	5.50	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0510	5.50	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0480	5.50	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0850	5.50	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDD	JB	0.0319	5.50	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0796	5.50	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0317	1.10	PQL	ng/Kg	
	OCDD	JBQ	0.856	11.0	PQL	ng/Kg	
	OCDF	JBQ	0.0806	11.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-037-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	3.63	5.97	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.320	5.97	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0577	5.97	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0470	5.97	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.147	5.97	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.335	5.97	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0921	5.97	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.419	5.97	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.571	5.97	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.101	5.97	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.338	5.97	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0651	5.97	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.131	5.97	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0502	1.19	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0623	1.19	PQL	ng/Kg	
	OCDF	JB	0.760	11.9	PQL	ng/Kg	
SL-038-SA5DN-SB-10.5-11.5	1,2,3,4,6,7,8-HPCDD	JB	1.85	5.45	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0806	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0685	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0213	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0359	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0251	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0191	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0365	5.45	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0186	5.45	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0368	5.45	PQL	ng/Kg	
SL-038-SA5DN-SB-4.0-5.0	OCDF	JBQ	0.251	10.9	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.73	5.54	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.189	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.126	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.770	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.940	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.211	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.801	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.683	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.190	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.139	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.515	5.54	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0316	1.11	PQL	ng/Kg	
SL-039-SA5DN-SB-11.5-12.5	2,3,7,8-TCDF	JQ	0.207	1.11	PQL	ng/Kg	J (all detects)
	OCDF	JB	6.00	11.1	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.937	5.62	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0849	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0361	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0298	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.326	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0577	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.107	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0380	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0180	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0465	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0558	5.62	PQL	ng/Kg	
	OCDF	JB	2.81	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-039-SA5DN-SB-4.0-5.0	1,2,3,4,7,8,9-HPCDF	JB	1.13	5.77	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.03	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.819	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.716	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.54	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.576	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.617	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.159	5.77	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.412	5.77	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.657	5.77	PQL	ng/Kg	
SL-051-SA5DN-SB-14.0-15.0	2,3,7,8-TCDD	JBQ	0.0267	1.15	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDD	JB	0.380	5.48	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0430	5.48	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0474	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0345	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0609	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0671	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0670	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0768	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0562	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0837	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.105	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0433	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.103	5.48	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0349	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0307	1.10	PQL	ng/Kg	
SL-051-SA5DN-SB-4.0-5.0	OCDD	JB	0.937	11.0	PQL	ng/Kg	J (all detects)
	OCDF	JB	0.133	11.0	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDD	JBQ	0.701	5.65	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0664	5.65	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0267	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0455	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0508	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.103	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0517	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.130	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.173	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0777	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0958	5.65	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0912	5.65	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0220	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0204	1.13	PQL	ng/Kg	
	OCDD	JB	4.11	11.3	PQL	ng/Kg	
	OCDF	JB	0.105	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-076-SA8N-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.44	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.180	5.54	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0419	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0482	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.593	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.106	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0805	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.129	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.104	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0871	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.167	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0621	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.369	5.54	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0291	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.118	1.11	PQL	ng/Kg	
	OCDF	JBQ	0.264	11.1	PQL	ng/Kg	
SL-076-SA8N-SB-7.5-8.5	1,2,3,4,6,7,8-HPCDD	JB	0.474	5.64	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0539	5.64	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0259	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0307	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0336	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0262	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0362	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0447	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0397	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.115	5.64	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0131	5.64	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0522	5.64	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0146	1.13	PQL	ng/Kg	
	OCDD	JB	1.64	11.3	PQL	ng/Kg	
	OCDF	JBQ	0.132	11.3	PQL	ng/Kg	
SL-106-SA8N-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JB	0.555	5.74	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0405	5.74	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0200	5.74	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0196	5.74	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0222	5.74	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0492	5.74	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0140	5.74	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0136	5.74	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0193	5.74	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0495	5.74	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0172	1.15	PQL	ng/Kg	
	OCDD	JBQ	1.32	11.5	PQL	ng/Kg	
	OCDF	JB	0.140	11.5	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX100

Laboratory: LL

EDD Filename: DX100_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-109-SA8N-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.346	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0326	5.71	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0271	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0193	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0262	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0263	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0144	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0412	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0172	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0127	5.71	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0340	5.71	PQL	ng/Kg	
	OCDD	JB	1.09	11.4	PQL	ng/Kg	
	OCDF	JB	0.0772	11.4	PQL	ng/Kg	
SL-109-SA8N-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.467	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0327	5.73	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0233	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0225	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0326	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0169	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0144	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0141	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.00726	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0430	5.73	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0123	1.15	PQL	ng/Kg	
	OCDD	JB	1.14	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.0856	11.5	PQL	ng/Kg	

Enclosure II

EPA Level IV Validation Reports

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Santa Susana Field Laboratory
Collection Date: June 8, 2011
LDC Report Date: September 26, 2011
Matrix: Soil/Water
Parameters: Dioxins/Dibenzofurans
Validation Level: Level IV
Laboratory: Lancaster Laboratories
Sample Delivery Group (SDG): DX100

Sample Identification

SL-023-SA5DN-SB-4.0-5.0	SL-039-SA5DN-SB-11.5-12.5
SL-023-SA5DN-SB-20.0-21.0	SL-076-SA8N-SB-4.0-5.0MS
SL-025-SA5DN-SB-4.0-5.0	SL-076-SA8N-SB-4.0-5.0MSD
SL-025-SA5DN-SB-23.0-24.0	
SL-028-SA5DN-SB-4.0-5.0	
SL-028-SA5DN-SB-11.5-12.5	
SL-051-SA5DN-SB-4.0-5.0	
SL-051-SA5DN-SB-14.0-15.0	
SL-076-SA8N-SB-4.0-5.0	
SL-076-SA8N-SB-7.5-8.5	
SL-106-SA8N-SB-2.5-3.5	
SL-109-SA8N-SB-4.0-5.0	
SL-109-SA8N-SB-9.0-10.0	
DUP10-SA8N-QC-060811	
EB16-SA8N-SB-060811	
SL-037-SA5DN-SB-4.0-5.0	
SL-037-SA5DN-SB-11.5-12.5	
SL-038-SA5DN-SB-4.0-5.0	
SL-038-SA5DN-SB-10.5-11.5	
SL-039-SA5DN-SB-4.0-5.0	

Introduction

This data review covers 22 soil samples and one water sample listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 1613B for Polychlorinated Dioxins/Dibenzofurans.

This review follows the Quality Assurance Project Plan for Santa Susana Field Laboratory (SSFL), RCRA Facility Investigation, Surficial Media Operable Unit (March 2009, Revision 4) and the USEPA Contract Laboratory Program National Functional Guidelines for Polychlorinated Dioxins/Dibenzofurans Data Review (September 2005).

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- NJ Presumptive evidence of presence of the compound at an estimated quantity.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. HRGC/HRMS Instrument Performance Check

Instrument performance was checked at the required daily frequency.

The chromatographic resolution between 2,3,7,8-TCDD and the peaks representing any other unlabeled TCDD isomers was resolved with a valley of less than or equal to 25%.

PFK and static resolving power were within validation criteria.

III. Initial Calibration

A five point initial calibration was performed as required by the method.

Percent relative standard deviations (%RSD) were less than or equal to 20.0% for unlabeled compounds and less than or equal to 35.0% for labeled compounds.

The ion abundance ratios for all PCDDs and PCDFs were within validation criteria.

The minimum S/N ratio was greater than or equal to 10 for each unlabeled compound and labeled compound.

IV. Routine Calibration (Continuing)

Routine calibration was performed at the required frequencies.

All of the routine calibration percent differences (%D) between the initial calibration RRF and the routine calibration RRF were within QC limits.

The ion abundance ratios for all PCDDs and PCDFs were within validation criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polychlorinated dioxin/dibenzofuran contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Extraction Date	Compound	Concentration	Associated Samples
11161005-MB	6/11/11	2,3,7,8-TCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.359 pg/L 0.737 pg/L 0.940 pg/L 0.608 pg/L 0.730 pg/L 0.764 pg/L 0.683 pg/L 0.701 pg/L 0.697 pg/L 1.10 pg/L 0.850 pg/L 1.68 pg/L 5.46 pg/L 1.16 pg/L 13.0 pg/L 5.00 pg/L	All water samples in SDG DX100
11173002-MB	6/22/11	2,3,7,8-TCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.0163 ng/Kg 0.0266 ng/Kg 0.0451 ng/Kg 0.0170 ng/Kg 0.0434 ng/Kg 0.0150 ng/Kg 0.0249 ng/Kg 0.0157 ng/Kg 0.0303 ng/Kg 0.0403 ng/Kg 0.0235 ng/Kg 0.0675 ng/Kg 0.396 ng/Kg 0.0845 ng/Kg 0.888 ng/Kg 0.324 ng/Kg	SL-023-SA5DN-SB-4.0-5.0 SL-023-SA5DN-SB-20.0-21.0 SL-025-SA5DN-SB-4.0-5.0 SL-025-SA5DN-SB-23.0-24.0 SL-028-SA5DN-SB-4.0-5.0 SL-028-SA5DN-SB-11.5-12.5 SL-051-SA5DN-SB-4.0-5.0 SL-051-SA5DN-SB-14.0-15.0 SL-076-SA8N-SB-4.0-5.0 SL-109-SA8N-SB-4.0-5.0 SL-037-SA5DN-SB-4.0-5.0 SL-037-SA5DN-SB-11.5-12.5 SL-038-SA5DN-SB-4.0-5.0 SL-038-SA5DN-SB-10.5-11.5 SL-039-SA5DN-SB-4.0-5.0 SL-039-SA5DN-SB-11.5-12.5
11178001-MB	6/27/11	2,3,7,8-TCDF 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.0118 ng/Kg 0.0379 ng/Kg 0.0563 ng/Kg 0.0470 ng/Kg 0.0465 ng/Kg 0.0500 ng/Kg 0.0295 ng/Kg 0.0572 ng/Kg 0.0570 ng/Kg 0.0780 ng/Kg 0.0771 ng/Kg 0.113 ng/Kg 0.357 ng/Kg 0.0781 ng/Kg 0.811 ng/Kg 0.234 ng/Kg	SL-076-SA8N-SB-7.5-8.5 SL-106-SA8N-SB-2.5-3.5 SL-109-SA8N-SB-9.0-10.0 DUP10-SA8N-QC-060811

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Compound	Reported Concentration	Modified Final Concentration
EB16-SA8N-SB-060811	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.362 pg/L 0.947 pg/L 0.532 pg/L 0.368 pg/L 0.436 pg/L 0.315 pg/L 0.778 pg/L 1.22 pg/L 6.00 pg/L 0.343 pg/L 12.4 pg/L 1.17 pg/L	0.362U pg/L 0.947U pg/L 0.532U pg/L 0.368U pg/L 0.436U pg/L 0.315U pg/L 0.778U pg/L 1.22U pg/L 6.00U pg/L 0.343U pg/L 12.4U pg/L 1.17U pg/L
SL-023-SA5DN-SB-4.0-5.0	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.132 ng/Kg 0.0753 ng/Kg 0.0528 ng/Kg 0.0947 ng/Kg 0.0294 ng/Kg 0.0385 ng/Kg 0.0242 ng/Kg 0.127 ng/Kg 0.176 ng/Kg 0.100 ng/Kg 0.0197 ng/Kg 0.328 ng/Kg	0.132U ng/Kg 0.0753U ng/Kg 0.0528U ng/Kg 0.0947U ng/Kg 0.0294U ng/Kg 0.0385U ng/Kg 0.0242U ng/Kg 0.127U ng/Kg 0.176U ng/Kg 0.100U ng/Kg 0.0197U ng/Kg 0.328U ng/Kg
SL-023-SA5DN-SB-20.0-21.0	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.0136 ng/Kg 0.0368 ng/Kg 0.0225 ng/Kg 0.0163 ng/Kg 0.0350 ng/Kg 0.0387 ng/Kg 0.0579 ng/Kg 0.0394 ng/Kg 0.0303 ng/Kg 0.342 ng/Kg 0.0160 ng/Kg 0.693 ng/Kg 0.100 ng/Kg	0.0136U ng/Kg 0.0368U ng/Kg 0.0225U ng/Kg 0.0163U ng/Kg 0.0350U ng/Kg 0.0387U ng/Kg 0.0579U ng/Kg 0.0394U ng/Kg 0.0303U ng/Kg 0.342U ng/Kg 0.0160U ng/Kg 0.693U ng/Kg 0.100U ng/Kg
SL-025-SA5DN-SB-4.0-5.0	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0372 ng/Kg 0.0361 ng/Kg 0.0194 ng/Kg 0.0118 ng/Kg 0.0103 ng/Kg 0.0192 ng/Kg 0.103 ng/Kg 0.148 ng/Kg 0.0667 ng/Kg 0.0171 ng/Kg 0.176 ng/Kg	0.0372U ng/Kg 0.0361U ng/Kg 0.0194U ng/Kg 0.0118U ng/Kg 0.0103U ng/Kg 0.0192U ng/Kg 0.103U ng/Kg 0.148U ng/Kg 0.0667U ng/Kg 0.0171U ng/Kg 0.176U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-025-SA5DN-SB-23.0-24.0	2,3,7,8-TCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.0244 ng/Kg 0.0131 ng/Kg 0.0470 ng/Kg 0.0182 ng/Kg 0.0133 ng/Kg 0.00816 ng/Kg 0.0294 ng/Kg 0.0351 ng/Kg 0.0210 ng/Kg 0.0238 ng/Kg 0.339 ng/Kg 0.0227 ng/Kg 0.807 ng/Kg 0.0616 ng/Kg	0.0244U ng/Kg 0.0131U ng/Kg 0.0470U ng/Kg 0.0182U ng/Kg 0.0133U ng/Kg 0.00816U ng/Kg 0.0294U ng/Kg 0.0351U ng/Kg 0.0210U ng/Kg 0.0238U ng/Kg 0.339U ng/Kg 0.0227U ng/Kg 0.807U ng/Kg 0.0616U ng/Kg
SL-028-SA5DN-SB-4.0-5.0	2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8,9-HpCDF OCDF	0.156 ng/Kg 0.0653 ng/Kg 0.0342 ng/Kg 0.0597 ng/Kg 0.0600 ng/Kg 0.0711 ng/Kg 0.0992 ng/Kg 1.11 ng/Kg	0.156U ng/Kg 0.0653U ng/Kg 0.0342U ng/Kg 0.0597U ng/Kg 0.0600U ng/Kg 0.0711U ng/Kg 0.0992U ng/Kg 1.11U ng/Kg
SL-028-SA5DN-SB-11.5-12.5	1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,7,8,9-HpCDF OCDF	0.0541 ng/Kg 0.187 ng/Kg 0.230 ng/Kg 1.34 ng/Kg	0.0541U ng/Kg 0.187U ng/Kg 0.230U ng/Kg 1.34U ng/Kg
SL-051-SA5DN-SB-4.0-5.0	2,3,7,8-TCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.0220 ng/Kg 0.0958 ng/Kg 0.0912 ng/Kg 0.0777 ng/Kg 0.0508 ng/Kg 0.0517 ng/Kg 0.0455 ng/Kg 0.103 ng/Kg 0.130 ng/Kg 0.0664 ng/Kg 0.701 ng/Kg 0.0267 ng/Kg 4.11 ng/Kg 0.105 ng/Kg	0.0220U ng/Kg 0.0958U ng/Kg 0.0912U ng/Kg 0.0777U ng/Kg 0.0508U ng/Kg 0.0517U ng/Kg 0.0455U ng/Kg 0.103U ng/Kg 0.130U ng/Kg 0.0664U ng/Kg 0.701U ng/Kg 0.0267U ng/Kg 4.11U ng/Kg 0.105U ng/Kg
SL-051-SA5DN-SB-14.0-15.0	2,3,7,8-TCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.0349 ng/Kg 0.105 ng/Kg 0.103 ng/Kg 0.0837 ng/Kg 0.0609 ng/Kg 0.0670 ng/Kg 0.0433 ng/Kg 0.0345 ng/Kg 0.0671 ng/Kg 0.0768 ng/Kg 0.0562 ng/Kg 0.0430 ng/Kg 0.380 ng/Kg 0.0474 ng/Kg 0.937 ng/Kg 0.133 ng/Kg	0.0349U ng/Kg 0.105U ng/Kg 0.103U ng/Kg 0.0837U ng/Kg 0.0609U ng/Kg 0.0670U ng/Kg 0.0433U ng/Kg 0.0345U ng/Kg 0.0671U ng/Kg 0.0768U ng/Kg 0.0562U ng/Kg 0.0430U ng/Kg 0.380U ng/Kg 0.0474U ng/Kg 0.937U ng/Kg 0.133U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-076-SA8N-SB-4.0-5.0	2,3,7,8-TCDD 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDF	0.0291 ng/Kg 0.0621 ng/Kg 0.0482 ng/Kg 0.106 ng/Kg 0.129 ng/Kg 0.104 ng/Kg 0.180 ng/Kg 1.44 ng/Kg 0.0419 ng/Kg 0.264 ng/Kg	0.0291U ng/Kg 0.0621U ng/Kg 0.0482U ng/Kg 0.106U ng/Kg 0.129U ng/Kg 0.104U ng/Kg 0.180U ng/Kg 1.44U ng/Kg 0.0419U ng/Kg 0.264U ng/Kg
SL-109-SA8N-SB-4.0-5.0	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.0127 ng/Kg 0.0340 ng/Kg 0.0262 ng/Kg 0.0144 ng/Kg 0.0193 ng/Kg 0.0263 ng/Kg 0.0412 ng/Kg 0.0172 ng/Kg 0.0326 ng/Kg 0.346 ng/Kg 0.0271 ng/Kg 1.09 ng/Kg 0.0772 ng/Kg	0.0127U ng/Kg 0.0340U ng/Kg 0.0262U ng/Kg 0.0144U ng/Kg 0.0193U ng/Kg 0.0263U ng/Kg 0.0412U ng/Kg 0.0172U ng/Kg 0.0326U ng/Kg 0.346U ng/Kg 0.0271U ng/Kg 1.09U ng/Kg 0.0772U ng/Kg
SL-037-SA5DN-SB-4.0-5.0	2,3,7,8-TCDD 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0502 ng/Kg 0.131 ng/Kg 0.147 ng/Kg 0.0651 ng/Kg 0.0470 ng/Kg 0.320 ng/Kg 0.0577 ng/Kg 0.760 ng/Kg	0.0502U ng/Kg 0.131U ng/Kg 0.147U ng/Kg 0.0651U ng/Kg 0.0470U ng/Kg 0.320U ng/Kg 0.0577U ng/Kg 0.760U ng/Kg
SL-037-SA5DN-SB-11.5-12.5	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.0850 ng/Kg 0.0796 ng/Kg 0.0480 ng/Kg 0.0366 ng/Kg 0.0401 ng/Kg 0.0319 ng/Kg 0.0355 ng/Kg 0.0448 ng/Kg 0.0548 ng/Kg 0.0510 ng/Kg 0.0437 ng/Kg 0.379 ng/Kg 0.0423 ng/Kg 0.856 ng/Kg 0.0806 ng/Kg	0.0850U ng/Kg 0.0796U ng/Kg 0.0480U ng/Kg 0.0366U ng/Kg 0.0401U ng/Kg 0.0319U ng/Kg 0.0355U ng/Kg 0.0448U ng/Kg 0.0548U ng/Kg 0.0510U ng/Kg 0.0437U ng/Kg 0.379U ng/Kg 0.0423U ng/Kg 0.856U ng/Kg 0.0806U ng/Kg
SL-038-SA5DN-SB-4.0-5.0	2,3,7,8-TCDD 1,2,3,4,7,8,9-HpCDF	0.0316 ng/Kg 0.189 ng/Kg	0.0316U ng/Kg 0.189U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-038-SA5DN-SB-10.5-11.5	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD OCDF	0.0365 ng/Kg 0.0368 ng/Kg 0.0191 ng/Kg 0.0213 ng/Kg 0.0186 ng/Kg 0.0685 ng/Kg 0.0359 ng/Kg 0.0251 ng/Kg 0.0806 ng/Kg 1.85 ng/Kg 0.251 ng/Kg	0.0365U ng/Kg 0.0368U ng/Kg 0.0191U ng/Kg 0.0213U ng/Kg 0.0186U ng/Kg 0.0685U ng/Kg 0.0359U ng/Kg 0.0251U ng/Kg 0.0806U ng/Kg 1.85U ng/Kg 0.251U ng/Kg
SL-039-SA5DN-SB-4.0-5.0	2,3,7,8-TCDD	0.0267 ng/Kg	0.0267U ng/Kg
SL-039-SA5DN-SB-11.5-12.5	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	0.0180 ng/Kg 0.0558 ng/Kg 0.0298 ng/Kg 0.0577 ng/Kg 0.0465 ng/Kg 0.0361 ng/Kg 0.107 ng/Kg 0.0380 ng/Kg 0.0849 ng/Kg	0.0180U ng/Kg 0.0558U ng/Kg 0.0298U ng/Kg 0.0577U ng/Kg 0.0465U ng/Kg 0.0361U ng/Kg 0.107U ng/Kg 0.0380U ng/Kg 0.0849U ng/Kg
SL-076-SA8N-SB-7.5-8.5	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.115 ng/Kg 0.0522 ng/Kg 0.0397 ng/Kg 0.0307 ng/Kg 0.0262 ng/Kg 0.0131 ng/Kg 0.0336 ng/Kg 0.0362 ng/Kg 0.0447 ng/Kg 0.0539 ng/Kg 0.474 ng/Kg 0.0259 ng/Kg 1.64 ng/Kg 0.132 ng/Kg	0.115U ng/Kg 0.0522U ng/Kg 0.0397U ng/Kg 0.0307U ng/Kg 0.0262U ng/Kg 0.0131U ng/Kg 0.0336U ng/Kg 0.0362U ng/Kg 0.0447U ng/Kg 0.0539U ng/Kg 0.474U ng/Kg 0.0259U ng/Kg 1.64U ng/Kg 0.132U ng/Kg
SL-106-SA8N-SB-2.5-3.5	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD OCDD OCDF	0.0136 ng/Kg 0.0495 ng/Kg 0.0196 ng/Kg 0.0222 ng/Kg 0.0193 ng/Kg 0.0200 ng/Kg 0.0492 ng/Kg 0.0140 ng/Kg 0.0405 ng/Kg 0.555 ng/Kg 1.32 ng/Kg 0.140 ng/Kg	0.0136U ng/Kg 0.0495U ng/Kg 0.0196U ng/Kg 0.0222U ng/Kg 0.0193U ng/Kg 0.0200U ng/Kg 0.0492U ng/Kg 0.0140U ng/Kg 0.0405U ng/Kg 0.555U ng/Kg 1.32U ng/Kg 0.140U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-109-SA8N-SB-9.0-10.0	2,3,7,8-TCDF	0.0123 ng/Kg	0.0123U ng/Kg
	1,2,3,7,8-PeCDF	0.0141 ng/Kg	0.0141U ng/Kg
	2,3,4,7,8-PeCDF	0.0430 ng/Kg	0.0430U ng/Kg
	1,2,3,7,8-PeCDD	0.0144 ng/Kg	0.0144U ng/Kg
	2,3,4,6,7,8-HxCDF	0.00726 ng/Kg	0.00726U ng/Kg
	1,2,3,6,7,8-HxCDD	0.0225 ng/Kg	0.0225U ng/Kg
	1,2,3,7,8,9-HxCDD	0.0326 ng/Kg	0.0326U ng/Kg
	1,2,3,7,8,9-HxCDF	0.0169 ng/Kg	0.0169U ng/Kg
	1,2,3,4,6,7,8-HpCDF	0.0327 ng/Kg	0.0327U ng/Kg
	1,2,3,4,6,7,8-HpCDD	0.467 ng/Kg	0.467U ng/Kg
	1,2,3,4,7,8,9-HpCDF	0.0233 ng/Kg	0.0233U ng/Kg
	OCDD	1.14 ng/Kg	1.14U ng/Kg
	OCDF	0.0856 ng/Kg	0.0856U ng/Kg
DUP10-SA8N-QC-060811	1,2,3,7,8-PeCDD	0.0192 ng/Kg	0.0192U ng/Kg
	1,2,3,6,7,8-HxCDF	0.156 ng/Kg	0.156U ng/Kg
	2,3,4,6,7,8-HxCDF	0.0353 ng/Kg	0.0353U ng/Kg
	1,2,3,6,7,8-HxCDD	0.0801 ng/Kg	0.0801U ng/Kg
	1,2,3,7,8,9-HxCDD	0.0803 ng/Kg	0.0803U ng/Kg
	1,2,3,7,8,9-HxCDF	0.106 ng/Kg	0.106U ng/Kg
	1,2,3,4,6,7,8-HpCDF	0.185 ng/Kg	0.185U ng/Kg
	1,2,3,4,6,7,8-HpCDD	1.70 ng/Kg	1.70U ng/Kg
	1,2,3,4,7,8,9-HpCDF	0.0424 ng/Kg	0.0424U ng/Kg
	OCDF	0.338 ng/Kg	0.338U ng/Kg

Sample EB16-SA8N-SB-060811 was identified as an equipment blank. No polychlorinated dioxin/dibenzofuran contaminants were found with the following exceptions:

Equipment Blank ID	Sampling Date	Compound	Concentration	Associated Samples
EB16-SA8N-SB-060811	6/8/11	1,2,3,7,8-PeCDF	0.362 pg/L	All soil samples in SDG DX100
		2,3,4,7,8-PeCDF	0.947 pg/L	
		1,2,3,7,8-PeCDD	0.532 pg/L	
		1,2,3,4,7,8-HxCDF	0.368 pg/L	
		2,3,4,6,7,8-HxCDF	0.436 pg/L	
		1,2,3,4,7,8-HxCDD	0.315 pg/L	
		1,2,3,7,8,9-HxCDD	0.778 pg/L	
		1,2,3,4,6,7,8-HpCDF	1.22 pg/L	
		1,2,3,4,6,7,8-HpCDD	6.00 pg/L	
		1,2,3,4,7,8,9-HpCDF	0.343 pg/L	
		OCDD	12.4 pg/L	
		OCDF	1.17 pg/L	

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

VII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. The percent recoveries (%R) were within the QC limits.

VIII. Regional Quality Assurance and Quality Control

Not applicable.

IX. Internal Standards

All internal standard recoveries were within QC limits.

X. Target Compound Identifications

All target compound identifications were within validation criteria.

XI. Compound Quantitation and RLs

All compound quantitation and RLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
SL-039-SA5DN-SB-4.0-5.0	OCDD	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	P

All compounds reported below the RL were qualified as follows:

Sample	Finding	Flag	A or P
All samples in SDG DX100	All compounds reported below the RL.	J (all detects)	A

XII. System Performance

The system performance was acceptable.

XIII. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

XIV. Field Duplicates

Samples SL-076-SA8N-SB-4.0-5.0 and DUP10-SA8N-QC-060811 were identified as field duplicates. No polychlorinated dioxins/dibenzofurans were detected in any of the samples with the following exceptions:

Compound	Concentration (ng/Kg)		RPD (Limits)	Flags	A or P
	SL-076-SA8N-SB-4.0-5.0	DUP10-SA8N-QC-060811			
2,3,7,8-TCDF	0.118	0.514	125 (≤50)	J (all detects)	A
2,3,7,8-TCDD	0.0291	0.0158U	200 (≤50)	J (all detects) UJ (all non-detects)	A
1,2,3,7,8-PeCDF	0.167	1.96	169 (≤50)	J (all detects)	A
2,3,4,7,8-PeCDF	0.369	0.0394U	200 (≤50)	J (all detects) UJ (all non-detects)	A
1,2,3,7,8-PeCDD	0.0871	0.0192	128 (≤50)	J (all detects)	A
1,2,3,4,7,8-HxCDF	0.593	0.550	8 (≤50)	-	-
1,2,3,6,7,8-HxCDF	0.0805	0.156	64 (≤50)	J (all detects)	A
2,3,4,6,7,8-HxCDF	0.0621	0.0353	55 (≤50)	J (all detects)	A
1,2,3,4,7,8-HxCDD	0.0482	0.0227U	200 (≤50)	J (all detects) UJ (all non-detects)	A
1,2,3,6,7,8-HxCDD	0.106	0.0801	28 (≤50)	-	-
1,2,3,7,8,9-HxCDD	0.129	0.0803	47 (≤50)	-	-
1,2,3,7,8,9-HxCDF	0.104	0.106	2 (≤50)	-	-
1,2,3,4,6,7,8-HpCDF	0.180	0.185	3 (≤50)	-	-
1,2,3,4,6,7,8-HpCDD	1.44	1.70	17 (≤50)	-	-
1,2,3,4,7,8,9-HpCDF	0.0419	0.0424	1 (≤50)	-	-
OCDD	12.7	16.0	23 (≤50)	-	-
OCDF	0.264	0.338	25 (≤50)	-	-

Santa Susana Field Laboratory
Dioxins/Dibenzofurans - Data Qualification Summary - SDG DX100

SDG	Sample	Compound	Flag	A or P	Reason (Code)
DX100	SL-039-SA5DN-SB-4.0-5.0	OCDD	J (all detects)	P	Compound quantitation and RLs (*XI)
DX100	SL-023-SA5DN-SB-4.0-5.0 SL-023-SA5DN-SB-20.0-21.0 SL-025-SA5DN-SB-4.0-5.0 SL-025-SA5DN-SB-23.0-24.0 SL-028-SA5DN-SB-4.0-5.0 SL-028-SA5DN-SB-11.5-12.5 SL-051-SA5DN-SB-4.0-5.0 SL-051-SA5DN-SB-14.0-15.0 SL-076-SA8N-SB-4.0-5.0 SL-076-SA8N-SB-7.5-8.5 SL-106-SA8N-SB-2.5-3.5 SL-109-SA8N-SB-4.0-5.0 SL-109-SA8N-SB-9.0-10.0 DUP10-SA8N-QC-060811 EB16-SA8N-SB-060811 SL-037-SA5DN-SB-4.0-5.0 SL-037-SA5DN-SB-11.5-12.5 SL-038-SA5DN-SB-4.0-5.0 SL-038-SA5DN-SB-10.5-11.5 SL-039-SA5DN-SB-4.0-5.0 SL-039-SA5DN-SB-11.5-12.5	All compounds reported below the RL.	J (all detects)	A	Compound quantitation and RLs (Z)
DX100	SL-076-SA8N-SB-4.0-5.0 DUP10-SA8N-QC-060811	2,3,7,8-TCDF 1,2,3,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Field duplicates (RPD) (FD)
DX100	SL-076-SA8N-SB-4.0-5.0 DUP10-SA8N-QC-060811	2,3,7,8-TCDD 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDD	J (all detects) UJ (all non-detects)	A	Field duplicates (RPD) (FD)

Santa Susana Field Laboratory
Dioxins/Dibenzofurans - Laboratory Blank Data Qualification Summary - SDG DX100

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX100	EB16-SA8N-SB-060811	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.362U pg/L 0.947U pg/L 0.532U pg/L 0.368U pg/L 0.436U pg/L 0.315U pg/L 0.778U pg/L 1.22U pg/L 6.00U pg/L 0.343U pg/L 12.4U pg/L 1.17U pg/L	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX100	SL-023-SA5DN-SB-4.0-5.0	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.132U ng/Kg 0.0753U ng/Kg 0.0528U ng/Kg 0.0947U ng/Kg 0.0294U ng/Kg 0.0385U ng/Kg 0.0242U ng/Kg 0.127U ng/Kg 0.176U ng/Kg 0.100U ng/Kg 0.0197U ng/Kg 0.328U ng/Kg	A	B
DX100	SL-023-SA5DN-SB-20.0-21.0	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.0136U ng/Kg 0.0368U ng/Kg 0.0225U ng/Kg 0.0163U ng/Kg 0.0350U ng/Kg 0.0387U ng/Kg 0.0579U ng/Kg 0.0394U ng/Kg 0.0303U ng/Kg 0.342U ng/Kg 0.0160U ng/Kg 0.693U ng/Kg 0.100U ng/Kg	A	B
DX100	SL-025-SA5DN-SB-4.0-5.0	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0372U ng/Kg 0.0361U ng/Kg 0.0194U ng/Kg 0.0118U ng/Kg 0.0103U ng/Kg 0.0192U ng/Kg 0.103U ng/Kg 0.148U ng/Kg 0.0667U ng/Kg 0.0171U ng/Kg 0.176U ng/Kg	A	B
DX100	SL-025-SA5DN-SB-23.0-24.0	2,3,7,8-TCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.0244U ng/Kg 0.0131U ng/Kg 0.0470U ng/Kg 0.0182U ng/Kg 0.0133U ng/Kg 0.00816U ng/Kg 0.0294U ng/Kg 0.0351U ng/Kg 0.0210U ng/Kg 0.0238U ng/Kg 0.339U ng/Kg 0.0227U ng/Kg 0.807U ng/Kg 0.0616U ng/Kg	A	B
DX100	SL-028-SA5DN-SB-4.0-5.0	2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8,9-HpCDF OCDF	0.156U ng/Kg 0.0653U ng/Kg 0.0342U ng/Kg 0.0597U ng/Kg 0.0600U ng/Kg 0.0711U ng/Kg 0.0992U ng/Kg 1.11U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX100	SL-028-SA5DN-SB-11.5-12.5	1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,7,8,9-HpCDF OCDF	0.0541U ng/Kg 0.187U ng/Kg 0.230U ng/Kg 1.34U ng/Kg	A	B
DX100	SL-051-SA5DN-SB-4.0-5.0	2,3,7,8-TCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.0220U ng/Kg 0.0958U ng/Kg 0.0912U ng/Kg 0.0777U ng/Kg 0.0508U ng/Kg 0.0517U ng/Kg 0.0455U ng/Kg 0.103U ng/Kg 0.130U ng/Kg 0.0664U ng/Kg 0.701U ng/Kg 0.0267U ng/Kg 4.11U ng/Kg 0.105U ng/Kg	A	B
DX100	SL-051-SA5DN-SB-14.0-15.0	2,3,7,8-TCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.0349U ng/Kg 0.105U ng/Kg 0.103U ng/Kg 0.0837U ng/Kg 0.0609U ng/Kg 0.0670U ng/Kg 0.0433U ng/Kg 0.0345U ng/Kg 0.0671U ng/Kg 0.0768U ng/Kg 0.0562U ng/Kg 0.0430U ng/Kg 0.380U ng/Kg 0.0474U ng/Kg 0.937U ng/Kg 0.133U ng/Kg	A	B
DX100	SL-076-SA8N-SB-4.0-5.0	2,3,7,8-TCDD 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDF	0.0291U ng/Kg 0.0621U ng/Kg 0.0482U ng/Kg 0.106U ng/Kg 0.129U ng/Kg 0.104U ng/Kg 0.180U ng/Kg 1.44U ng/Kg 0.0419U ng/Kg 0.264U ng/Kg	A	B
DX100	SL-109-SA8N-SB-4.0-5.0	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.0127U ng/Kg 0.0340U ng/Kg 0.0262U ng/Kg 0.0144U ng/Kg 0.0193U ng/Kg 0.0263U ng/Kg 0.0412U ng/Kg 0.0172U ng/Kg 0.0326U ng/Kg 0.346U ng/Kg 0.0271U ng/Kg 1.09U ng/Kg 0.0772U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX100	SL-037-SA5DN-SB-4.0-5.0	2,3,7,8-TCDD 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0502U ng/Kg 0.131U ng/Kg 0.147U ng/Kg 0.0651U ng/Kg 0.0470U ng/Kg 0.320U ng/Kg 0.0577U ng/Kg 0.760U ng/Kg	A	B
DX100	SL-037-SA5DN-SB-11.5-12.5	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.0850U ng/Kg 0.0796U ng/Kg 0.0480U ng/Kg 0.0366U ng/Kg 0.0401U ng/Kg 0.0319U ng/Kg 0.0355U ng/Kg 0.0448U ng/Kg 0.0548U ng/Kg 0.0510U ng/Kg 0.0437U ng/Kg 0.379U ng/Kg 0.0423U ng/Kg 0.856U ng/Kg 0.0806U ng/Kg	A	B
DX100	SL-038-SA5DN-SB-4.0-5.0	2,3,7,8-TCDD 1,2,3,4,7,8,9-HpCDF	0.0316U ng/Kg 0.189U ng/Kg	A	B
DX100	SL-038-SA5DN-SB-10.5-11.5	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD OCDF	0.0365U ng/Kg 0.0368U ng/Kg 0.0191U ng/Kg 0.0213U ng/Kg 0.0186U ng/Kg 0.0685U ng/Kg 0.0359U ng/Kg 0.0251U ng/Kg 0.0806U ng/Kg 1.85U ng/Kg 0.251U ng/Kg	A	B
DX100	SL-039-SA5DN-SB-4.0-5.0	2,3,7,8-TCDD	0.0267U ng/Kg	A	B
DX100	SL-039-SA5DN-SB-11.5-12.5	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	0.0180U ng/Kg 0.0558U ng/Kg 0.0298U ng/Kg 0.0577U ng/Kg 0.0465U ng/Kg 0.0361U ng/Kg 0.107U ng/Kg 0.0380U ng/Kg 0.0849U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX100	SL-076-SA8N-SB-7.5-8.5	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.115U ng/Kg 0.0522U ng/Kg 0.0397U ng/Kg 0.0307U ng/Kg 0.0262U ng/Kg 0.0131U ng/Kg 0.0336U ng/Kg 0.0362U ng/Kg 0.0447U ng/Kg 0.0539U ng/Kg 0.474U ng/Kg 0.0259U ng/Kg 1.64U ng/Kg 0.132U ng/Kg	A	B
DX100	SL-106-SA8N-SB-2.5-3.5	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD OCDD OCDF	0.0136U ng/Kg 0.0495U ng/Kg 0.0196U ng/Kg 0.0222U ng/Kg 0.0193U ng/Kg 0.0200U ng/Kg 0.0492U ng/Kg 0.0140U ng/Kg 0.0405U ng/Kg 0.555U ng/Kg 1.32U ng/Kg 0.140U ng/Kg	A	B
DX100	SL-109-SA8N-SB-9.0-10.0	2,3,7,8-TCDF 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.0123U ng/Kg 0.0141U ng/Kg 0.0430U ng/Kg 0.0144U ng/Kg 0.00726U ng/Kg 0.0225U ng/Kg 0.0326U ng/Kg 0.0169U ng/Kg 0.0327U ng/Kg 0.467U ng/Kg 0.0233U ng/Kg 1.14U ng/Kg 0.0856U ng/Kg	A	B
DX100	DUP10-SA8N-QC-060811	1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDF	0.0192U ng/Kg 0.156U ng/Kg 0.0353U ng/Kg 0.0801U ng/Kg 0.0803U ng/Kg 0.106U ng/Kg 0.185U ng/Kg 1.70U ng/Kg 0.0424U ng/Kg 0.338U ng/Kg	A	B

Santa Susana Field Laboratory

Dioxins/Dibenzofurans - Field Blank Data Qualification Summary - SDG DX100

No Sample Data Qualified in this SDG

LDC #: 26250S21

VALIDATION COMPLETENESS WORKSHEET

SDG #: DX100

Level IV

Laboratory: Lancaster Laboratories

Date: 9/26/11

Page: 1 of 1

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 6/8/11
II.	HRGC/HRMS Instrument performance check	A	
III.	Initial calibration	A	% RSD ≤ 20/35
IV.	Routine calibration/ICV	A	QC limit
V.	Blanks	SW	
VI.	Matrix spike/Matrix spike duplicates	A	
VII.	Laboratory control samples	A	ICS
VIII.	Regional quality assurance and quality control	N	
IX.	Internal standards	A	
X.	Target compound identifications	A	
XI.	Compound quantitation and CRQLs	SW	
XII.	System performance	A	
XIII.	Overall assessment of data	A	
XIV.	Field duplicates	SW	D = 9, 14
XV.	Field blanks	SW	EB = 15

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples:

Soil + water

1	SL-023-SA5DN-SB-4.0-5.0	11	2	SL-106-SA8N-SB-2.5-3.5	21	1	SL-039-SA5DN-SB-11.5-12.5	31	1	11173002
2	SL-023-SA5DN-SB-10.0-21.0	12	1	SL-109-SA8N-SB-4.0-5.0	22	1	SL-076-SA8N-SB-4.0-5.0MS	32	2	11178001
3	SL-025-SA5DN-SB-4.0-5.0	13	2	SL-109-SA8N-SB-9.0-10.0	23	1	SL-076-SA8N-SB-4.0-5.0MSD	33	3	11161005
4	SL-025-SA5DN-SB-23.0-24.0	14	2	DUP10-SA8N-QC-060811	17			34		
5	SL-028-SA5DN-SB-4.0-5.0	15	3	EB16-SA8N-SB-060811	17	W		35		
6	SL-028-SA5DN-SB-11.5-12.5	16	1	SL-037-SA5DN-SB-4.0-5.0	26			36		
7	SL-051-SA5DN-SB-4.0-5.0	17	1	SL-037-SA5DN-SB-11.5-12.5	27			37		
8	SL-051-SA5DN-SB-14.0-15.0	18	1	SL-038-SA5DN-SB-4.0-5.0	28			38		
9	SL-076-SA8N-SB-4.0-5.0	19	1	SL-038-SA5DN-SB-10.5-11.5	29			39		
10	2 SL-076-SA8N-SB-7.5-8.5	20	1	SL-039-SA5DN-SB-4.0-5.0	30			40		

Notes: _____

Method: Dioxins/Dibenzofurans (EPA SW 846 Method 1613B)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	/			
Cooler temperature criteria was met.	/			
II. GC/MS Instrument performance check				
Was PFK exact mass 380.9760 verified?	/			
Were the retention time windows established for all homologues?	/			
Was the chromatographic resolution between 2,3,7,8-TCDD and peaks representing any other unlabeled TCDD isomers $\leq 25\%$?	/			
Is the static resolving power at least 10,000 (10% valley definition)?	/			
Was the mass resolution adequately check with PFK?	/			
Was the presence of 1,2,8,9-TCDD and 1,3,4,6,8-PeCDF verified?	/			
III. Initial calibration				
Was the initial calibration performed at 5 concentration levels?	/			
Were all percent relative standard deviations (%RSD) $\leq 20\%$ for unlabeled compounds and $\leq 35\%$ for labeled compounds?	/			
Did all calibration standards meet the Ion Abundance Ratio criteria?	/			
Was the signal to noise ratio for each target compound ≥ 2.5 and for each recovery and internal standard > 10 ?	/			
IV. Continuing calibration				
Was a routine calibration performed at the beginning and end of each 12 hour period?	/			
Were all the concentrations for the unlabeled compounds and labeled compounds within the QC limits (Method 1613B, Table 6)?	/			
Did all routine calibration standards meet the Ion Abundance Ratio criteria?	/			
V. Blanks				
Was a method blank associated with every sample in this SDG?	/			
Was a method blank performed for each matrix and concentration?	/			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet?	/			
VI. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	/			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	/			
VII. Laboratory control samples				
Was an LCS analyzed for this SDG?	/			
Was an LCS analyzed per extraction batch?	/			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	/			

Validation Area	Yes	No	NA	Findings/Comments
VIII. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?			✓	
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
IX. Internal standards				
Were internal standard recoveries within the 25-150% criteria?	✓			
Was the minimum S/N ratio of all internal standard peaks > 10?	✓			
X. Target compound identification				
For 2,3,7,8 substituted congeners with associated labeled standards, were the retention times of the two quantitation peaks within -1 to 3 sec. of the RT of the labeled standard?	✓			
For 2,3,7,8 substituted congeners without associated labeled standards, were the relative retention times of the two quantitation peaks within 0.005 time units of the RRT measured in the routine calibration?	✓			
For non-2,3,7,8 substituted congeners, were the retention times of the two quantitation peaks within RT established in the performance check solution?	✓			
Did compound spectra contain all characteristic ions listed in the table attached?	✓			
Was the Ion Abundance Ratio for the two quantitation ions within criteria?	✓			
Was the signal to noise ratio for each target compound and labeled standard \geq 2.5?	✓			
Does the maximum intensity of each specified characteristic ion coincide within \pm 2 seconds (includes labeled standards)?	✓			
For PCDF identification, was any signal (S/N \geq 2.5, at \pm seconds RT) detected in the corresponding PCDF channel?	✓			
Was an acceptable lock mass recorded and monitored?	✓			
XI. Compound quantitation/CRQLs				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XII. System performance				
System performance was found to be acceptable.	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XIV. Field duplicates				
Field duplicate pairs were identified in this SDG.	✓			
Target compounds were detected in the field duplicates.	✓			
XV. Field blanks				
Field blanks were identified in this SDG.	✓			
Target compounds were detected in the field blanks.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA SW 846 Method 8290)

A. 2,3,7,8-TCDD	F. 1,2,3,4,6,7,8-HpCDD	K. 1,2,3,4,7,8-HxCDF	P. 1,2,3,4,7,8,9-HpCDF	U. Total HpCDD
B. 1,2,3,7,8-PeCDD	G. OCDD	L. 1,2,3,6,7,8-HxCDF	Q. OCDF	V. Total TCDF
C. 1,2,3,4,7,8-HxCDD	H. 2,3,7,8-TCDF	M. 2,3,4,6,7,8-HxCDF	R. Total TCDD	W. Total PeCDF
D. 1,2,3,6,7,8-HxCDD	I. 1,2,3,7,8-PeCDF	N. 1,2,3,7,8,9-HxCDF	S. Total PeCDD	X. Total HxCDF
E. 1,2,3,7,8,9-HxCDD	J. 2,3,4,7,8-PeCDF	O. 1,2,3,4,6,7,8-HpCDF	T. Total HxCDD	Y. Total HpCDF

VALIDATION FINDINGS WORKSHEET

Blanks

Page: 1 of 1

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y/N N/A Were all samples associated with a method blank?

Y/N N/A Was a method blank performed for each matrix and whenever a sample extraction was performed? *EMPC

Y/N N/A Was the method blank contaminated?

Blank extraction date: 6/11/11 Blank analysis date: 6/14/11

Associated samples: All water

Conc. units: pg/L

Compound		Blank ID	Sample Identification				
		11161005-MB	5X	15			
A		0.359*	1.795				
I		0.737*	3.685	0.362*U			
J		0.940*	4.7	0.947*U			
B		0.608*	3.04	0.532*U			
K		0.730*	3.65	0.368*U			
L		0.764*	3.82				
M		0.683*	3.415	0.436*U			
C		0.701*	3.505	0.315*U			
D		0.697*	3.485				
E		1.10	5.5	0.778*U			
N		0.850*	4.25				
O		1.68	8.4	1.22U			
F		5.46	27.3	6.00U			
P		1.16*	5.8	0.343U			
G		13.0	65	12.4*U			
Q		5.00	25	1.17*U			

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
All contaminants within five times the method blank concentration were qualified as not detected, "U".

VALIDATION FINDINGS WORKSHEET

Blanks

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were all samples associated with a method blank?

Y N N/A Was a method blank performed for each matrix and whenever a sample extraction was performed?

Y N N/A Was the method blank contaminated?

Blank extraction date: 6/22/11 Blank analysis date: 6/24/11

*EMPC

Associated samples: 1-9, 12, 16-21

(B)

Conc. units: ng/Kg

Compound	Blank ID	Sample Identification									
		5X	1	2	3	4	5	6	7	8	
	11173002-MB										
A	0.0163*	0.0815				0.0244U			0.0220U	0.0349*U	
I	0.0266*	0.133	0.132U	0.0136*U	0.0372*U	0.0131*U			0.0958U	0.105U	
J	0.0451	0.2255	0.0753U	0.0368U	0.0361*U	0.0470*U	0.156U		0.0912*U	0.103U	
B	0.0170	0.085	0.0528U		0.0194*U	0.0182*U	0.0653*U		0.0777U	0.0837U	
K	0.0434*	0.217	0.0947U	0.0225U		0.0133*U	0.0342*U		0.0508*U	0.0609*U	
L	0.0150*	0.075	0.0294U	0.0163*U	0.0118*U	0.00816*U	0.0597*U		0.0517U	0.0670U	
M	0.0249*	0.1245	0.0385*U	0.0350*U	0.0103*U		0.0600*U			0.0433U	
C	0.0157	0.0785	0.0242*U		0.0192*U		0.0711*U	0.0541U	0.0455*U	0.0345*U	
D	0.0303	0.1515	0.127*U	0.0387U	0.103U	0.0294*U			0.103U	0.0671U	
E	0.0403*	0.2015	0.176U	0.0579*U	0.148U	0.0351*U		0.187U	0.130U	0.0768U	
N	0.0235*	0.1175		0.0394*U		0.0210U				0.0562*U	
O	0.0675	0.3375	0.100U	0.0303*U	0.0667U	0.0238*U			0.0664*U	0.0430*U	
F	0.396	1.98		0.342U		0.339U			0.701*U	0.380U	
P	0.0845*	0.4225	0.0197U	0.0160*U	0.0171U	0.0227*U	0.0992*U	0.230U	0.0267*U	0.0474U	
G	0.888	4.44		0.693U		0.807U			4.11U	0.937U	
Q	0.324	1.62	0.328U	0.100*U	0.176U	0.0616U	1.11U	1.34U	0.105U	0.133U	

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

All contaminants within five times the method blank concentration were qualified as not detected, "U".

VALIDATION FINDINGS WORKSHEET

Blanks

Page: 1 of 1

Reviewer: 2nd Reviewer:

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N / N/A

Were all samples associated with a method blank?

Y N / N/A

Was a method blank performed for each matrix and whenever a sample extraction was performed?

Y N / N/A

Was the method blank contaminated?

*EMPC

Blank extraction date: 6/22/11 Blank analysis date: 6/24/11

Associated samples: 1-9, 12, 16-21

Conc. units: ng/Kg

Compound		Blank ID	Sample Identification									
		11173002-MB	5X	9	12	16	17	18	19	20	21	
A		0.0163*	0.0815	0.0291*U		0.0502*U		0.0316U		0.0267*U		
I		0.0266*	0.133		0.0127U		0.0850*U		0.0365U		0.0180*U	
J		0.0451	0.2255		0.0340U	0.131U	0.0796*U		0.0368U		0.0558U	
B		0.0170	0.085				0.0480*U		0.0191*U			
K		0.0434*	0.217		0.0262*U	0.147*U	0.0366*U				0.0298U	
L		0.0150*	0.075		0.0144*U		0.0401U		0.0213*U		0.0577U	
M		0.0249*	0.1245	0.0621*U		0.0651U	0.0319U		0.0186*U		0.0465*U	
C		0.0157	0.0785	0.0482*U	0.0193U	0.0470U	0.0355*U				0.0361*U	
D		0.0303	0.1515	0.106U	0.0263*U		0.0448*U		0.0685U			
E		0.0403*	0.2015	0.129U	0.0412U		0.0548*U		0.0359*U		0.107U	
N		0.0235*	0.1175	0.104*U	0.0172U		0.0510U		0.0251U		0.0380*U	
O		0.0675	0.3375	0.180*U	0.0326*U	0.320U	0.0437*U		0.0806*U			
F		0.396	1.98	1.44U	0.346U		0.379U		1.85U			
P		0.0845*	0.4225	0.0419*U	0.0271*U	0.0577U	0.0423*U	0.189U			0.0849*U	
G		0.888	4.44		1.09U		0.856*U					
Q		0.324	1.62	0.264U	0.0772U	0.760U	0.0806*U		0.251*U			

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

All contaminants within five times the method blank concentration were qualified as not detected, "U".

VALIDATION FINDINGS WORKSHEET Blanks

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A

Were all samples associated with a method blank?

Y N N/A

Was a method blank performed for each matrix and whenever a sample extraction was performed?

Y N N/A

Was the method blank contaminated?

*EMPC

Blank extraction date: 6/27/11

Blank analysis date: 6/28/11

Associated samples: 10, 11, 13, 14

Conc. units: ng/Kg

Compound	Blank ID	Sample Identification					
		5X	10	11	13	14	
	11178001-MB1						
H	0.0118*	0.059			0.0123U	0.514U	
I	0.0379	0.1895	0.115U	0.0135*U	0.0141*U	1.96U	
J	0.0563*	0.2815	0.0522U	0.0495*U	0.0430*U		
B	0.0470	0.235	0.0397U		0.0144*U	0.0192U	
K	0.0465*	0.2325	0.0307U	0.0196*U		0.550U	
L	0.0500	0.25	0.0262U	0.0222U		0.156U	
M	0.0295	0.1475	0.0131U	0.0193*U	0.00726U	0.0353*U	
C	0.0572*	0.286		0.0200*U			
D	0.0570	0.285	0.0336U		0.0225*U	0.0801*U	
E	0.0780*	0.39	0.0362U	0.0492U	0.0326*U	0.0803U	
N	0.0771*	0.3855	0.0447U	0.0140*U	0.0169*U	0.106U	
O	0.113	0.565	0.0539U	0.0405U	0.0327*U	0.185U	
F	0.357	1.785	0.474U	0.555U	0.467U	1.70U	
P	0.0781	0.3905	0.0259U		0.0233U	0.0424*U	
G	0.811	4.055	1.64U	1.32*U	1.14U	16.0U	
Q	0.234	1.17	0.132U	0.140U	0.0856*U	0.338U	

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

All contaminants within five times the method blank concentration were qualified as not detected, "U".

LDC #: 26250S21

VALIDATION FINDINGS WORKSHEET

Field Blanks

Page: 1 of 1

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: GC/MS Dioxins/Dibenzofurans (Method 1613B)

Y/N N/A Were field blanks identified in this SDG?

Blank units: pg/L Associated sample units: ng/kg

Sampling date: 6/8/11

Field blank type: (circle one) Field Blank / Rinsate / Other: EB Associated Samples: ALL SOILS >5X

Compound	Blank ID	Sample Identification									
	15	5X									
H											
A											
I	0.362*										
J	0.947*										
B	0.532*										
K	0.368*										
L											
M	0.436*										
C	0.315*										
D											
E	0.778*										
N											
O	1.22										
F	6.00										
P	0.343										
G	12.4*										
Q	1.17*										

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Samples with compound concentrations within five times the associated field blank concentration are listed above, these sample results were qualified as not detected, "U".

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y	N	N/A
Y	N	N/A

[illegible]

Comments: See sample calculation verification worksheet for recalculations

LDC#: 26250S21**VALIDATION FINDINGS WORKSHEET**
Field DuplicatesPage: 1 of 1Reviewer: [Signature]2nd Reviewer: [Signature]**METHOD:** VOA (EPA Method 8260B)Y N NA Were field duplicate pairs identified in this SDG?Y N NA Were target analytes detected in the field duplicate pairs? * empc (FD)

Compound	Concentration (ng/kg)		RPD	ESD
	9	14		
H	0.118	0.514	125	J/A det
A	0.0291*	0.0158U	200	J/uJ/A
I	0.167*	1.96	169	J/A det
J	0.369	0.0394U	200	J/uJ/A
B	0.0871*	0.0192	128	J/A det
K	0.593	0.550*	8	
L	0.0805*	0.156	64	J/A det
M	0.0621*	0.0353*	55	J/A det
C	0.0482*	0.0227U	200	J/uJ/A
D	0.106	0.0801*	28	
E	0.129	0.0803	47	
N	0.104*	0.106	2	
O	0.180*	0.185	3	
F	1.44	1.70	17	
P	0.0419*	0.0424*	1	
G	12.7	16.0	23	
Q	0.264*	0.338	25	

V:\FIELD DUPLICATES\templates\26250S21.wpd

LDC #: 26250521

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: [Signature]

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_s)(C_s)/(A_c)(C_c)$
average RRF = sum of the RRFs/number of standards
 $\%RSD = 100 * (S/X)$

A_s = Area of compound,
 C_s = Concentration of compound,
 S = Standard deviation of the RRFs, X = Mean of the RRFs

A_{is} = Area of associated internal standard
 C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported		Recalculated		Reported		Recalculated	
				Average RRF (initial)	Average RRF (initial)	Average RRF (initial)	Average RRF (initial)	RRF (std)	%RSD	RRF (std)	%RSD
1	ICAL SOL	6/3/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	1.017	1.017	1.017	1.017	1.033	4.59	1.033	4.59
	Int: DF1720		2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.186	1.186	1.186	1.186	1.186	3.50	1.186	3.50
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	0.995	0.995	0.995	0.995	1.001	3.43	1.001	3.43
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.077	1.077	1.077	1.077	1.101	4.02	1.101	4.02
			OCDF (¹³ C-OCDF)	0.945	0.945	0.945	0.945	0.974	3.54	0.974	3.54
2	ICAL WATER	6/3/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	0.938	0.938	0.938	0.938	0.952	3.68	0.952	3.68
	Int: DF1761		2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.141	1.141	1.141	1.141	1.129	4.34	1.129	4.34
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	0.898	0.898	0.898	0.898	0.951	6.50	0.951	6.50
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	0.981	0.981	0.981	0.981	1.037	4.43	1.037	4.43
			OCDF (¹³ C-OCDF)	0.885	0.885	0.885	0.885	0.917	2.80	0.917	2.80
3			2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)								
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)								
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)								
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)								
			OCDF (¹³ C-OCDF)								

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 26250522 /

VALIDATION FINDINGS WORKSHEET Routine Calibration Results Verification

Page: 1 of 2
Reviewer: FT
2nd Reviewer: [Signature]

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

$$\% \text{ Difference} = 100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$$

$$\text{RRF} = (A_s)(C_s) / (A_s)(C_s)$$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
 A_s = Area of associated internal standard
 C_s = Concentration of compound,
 C_s = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Average RRF (initial)	Reported		Recalculated		Reported	Recalculated
					RRF (CC)	%R	RRF (CC)	%R		
1	26250522	6/24/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	10.0	9.830	98	9.830	98		
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	10.0	9.510	95	9.510	95		
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	50.0	49.650	99	49.650	99		
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	50.0	50.060	100	50.060	100		
			OCDF (¹³ C-OCDF)	100.0	102.280	102	102.280	102		
2	26250522	6/25/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	10.0	9.920	99	9.920	99		
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	10.0	9.440	94	9.440	94		
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	50.0	50.350	101	50.350	101		
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	50.0	50.900	102	50.900	102		
			OCDF (¹³ C-OCDF)	100.0	103.4	103	103.4	103		
3	26250522	6/28/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	10.0	9.760	98	9.760	98		
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	10.0	9.260	93	9.260	93		
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	50.0	49.420	99	49.420	99		
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	50.0	49.750	100	49.750	100		
			OCDF (¹³ C-OCDF)	100.0	102.26	102	102.26	102		

Comments: Refer to Routine Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 2625052/

VALIDATION FINDINGS WORKSHEET
Routine Calibration Results Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: ✓

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA SW 846 Method 8290)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

$$\% \text{ Difference} = 100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$$
$$\text{RRF} = (A_s)(C_s) / (A_s)(C_s)$$

Where:

ave. RRF = initial calibration average RRF

RRF = continuing calibration RRF

 A_s = Area of compound, A_s = Area of associated internal standard C_s = Concentration of compound, C_s = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Average RRF (Initial)	Reported		Recalculated		Reported		Recalculated	
					RRF (CC)		RRF (CC)		%D		%D	
1	CCV 21:00	6/14/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	10.0	9.940		9.940		99		99	
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	10.0	9.690		9.690		97		97	
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	50.0	52.830		52.830		106		106	
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	50.0	52.630		52.630		105		105	
			OCDF (¹³ C-OCDF)	100.0	102.580		102.580		103		103	
2			2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)									
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)									
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)									
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)									
			OCDF (¹³ C-OCDF)									
3			2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)									
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)									
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)									
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)									
			OCDF (¹³ C-OCDF)									

Comments: Refer to Routine Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

MS/MSD samples: 22 + 23

V:\Validation Worksheets\Dioxin\90MSDCLC90.21

METHOD: GC/MS Dioxins/Dibenzofurans (EPA SW 846 Method 1613B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 \times \text{SSC/SA}$
Where: SSC = Spiked sample concentration
SA = Spike added

$$RPD = |LCS - LCSD| * 2 / (LCS + LCSD)$$

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS ID: 0PR173002

[illegible]

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

Descriptor	Accurate mass ^(a)	Ion ID	Elemental Composition	Analyte	Descriptor	Accurate Mass ^(b)	Ion ID	Elemental Composition	Analyte
1	303.9016	M	C ₁₂ H ₄ ³⁵ Cl ₉ O	TCDF	4	407.7818	M+2	C ₁₂ H ₃₅ Cl ₉ ³⁷ ClO	HpCDF
	305.8987	M+2	C ₁₂ H ₃₅ Cl ₉ ³⁷ ClO	TCDF		409.7788	M+4	C ₁₂ H ₃₅ Cl ₉ ³⁷ Cl ₂ O	HpCDF
	315.9419	M	C ₁₂ H ₄ ³⁵ Cl ₈ O	TCDF (S)		417.8250	M	C ₁₂ H ₃₅ Cl ₈ O	HpCDF (S)
	317.9389	M+2	C ₁₂ H ₃₅ Cl ₈ ³⁷ ClO	TCDF (S)		419.8220	M+2	C ₁₂ H ₃₅ Cl ₈ ³⁷ ClO	HpCDF
	319.8965	M	C ₁₂ H ₄ ³⁵ Cl ₇ O ₂	TCDD		423.7767	M+2	C ₁₂ H ₃₅ Cl ₇ ³⁷ ClO ₂	HpCDD
	321.8936	M+2	C ₁₂ H ₃₅ Cl ₇ ³⁷ ClO ₂	TCDD		425.7737	M+2	C ₁₂ H ₃₅ Cl ₇ ³⁷ Cl ₂ O ₂	HpCDD
	331.9368	M	C ₁₂ H ₄ ³⁵ Cl ₆ O ₃	TCDD (S)		435.8169	M+4	C ₁₂ H ₃₅ Cl ₆ ³⁷ Cl ₂ O ₃	HpCDD (S)
	333.9338	M+2	C ₁₂ H ₃₅ Cl ₆ ³⁷ ClO ₃	TCDD (S)		437.8140	M+2	C ₁₂ H ₃₅ Cl ₆ ³⁷ ClO ₃	HpCDD (S)
	375.8364	M+2	C ₁₂ H ₄ ³⁵ Cl ₅ ³⁷ ClO	HxCDF		479.7165	M+4	C ₁₂ H ₃₅ Cl ₅ ³⁷ Cl ₂ O ₂	HpCDD (S)
	[354.9792]	LOCK	C ₉ F ₁₃	PFK		[430.9728]	LOCK	C ₉ F ₁₇	NCDPE PFK
2	339.8597	M+2	C ₁₂ H ₃₅ Cl ₉ ³⁷ ClO	PeCDF	5	441.7428	M+2	C ₁₂ H ₃₅ Cl ₉ ³⁷ ClO	OCDF
	341.8567	M+4	C ₁₂ H ₃₅ Cl ₉ ³⁷ Cl ₂ O	PeCDF		443.7399	M+4	C ₁₂ H ₃₅ Cl ₉ ³⁷ Cl ₂ O	OCDF
	351.9000	M+2	C ₁₂ H ₃₅ Cl ₈ ³⁷ ClO	PeCDF (S)		457.7377	M+2	C ₁₂ H ₃₅ Cl ₈ ³⁷ ClO	OCDD
	353.8970	M+4	C ₁₂ H ₃₅ Cl ₈ ³⁷ Cl ₂ O	PeCDF (S)		459.7348	M+4	C ₁₂ H ₃₅ Cl ₈ ³⁷ Cl ₂ O	OCDD
	355.8546	M+2	C ₁₂ H ₃₅ Cl ₇ ³⁷ ClO ₂	PeCDD		469.7780	M+2	C ₁₂ H ₃₅ Cl ₇ ³⁷ ClO ₂	OCDD (S)
	357.8516	M+4	C ₁₂ H ₃₅ Cl ₇ ³⁷ Cl ₂ O ₂	PeCDD		471.7750	M+4	C ₁₂ H ₃₅ Cl ₇ ³⁷ Cl ₂ O ₂	OCDD (S)
	367.8949	M+2	C ₁₂ H ₃₅ Cl ₆ ³⁷ ClO ₃	PeCDD (S)		513.6775	M+4	C ₁₂ H ₃₅ Cl ₆ ³⁷ Cl ₂ O ₃	OCDD (S)
	369.8919	M+4	C ₁₂ H ₃₅ Cl ₆ ³⁷ Cl ₂ O ₃	PeCDD (S)		[422.9278]	LOCK	C ₉ F ₁₇	DCDPE PFK
	409.7974	M+2	C ₁₂ H ₃₅ Cl ₅ ³⁷ ClO	HpCDF					
	[354.9792]	LOCK	C ₉ F ₁₃	PFK					
3	373.8208	M+2	C ₁₂ H ₃₅ Cl ₉ ³⁷ ClO	HxCDF					
	375.8178	M+4	C ₁₂ H ₃₅ Cl ₉ ³⁷ Cl ₂ O	HxCDF					
	383.8639	M	C ₁₂ H ₄ ³⁵ Cl ₈ O	HxCDF (S)					
	385.8610	M+2	C ₁₂ H ₃₅ Cl ₈ ³⁷ ClO	HxCDF (S)					
	389.8156	M+2	C ₁₂ H ₃₅ Cl ₇ ³⁷ ClO ₂	HxCDD					
	391.8127	M+4	C ₁₂ H ₃₅ Cl ₇ ³⁷ Cl ₂ O ₂	HxCDD					
	401.8559	M+2	C ₁₂ H ₃₅ Cl ₆ ³⁷ ClO ₃	HxCDD (S)					
	403.8529	M+4	C ₁₂ H ₃₅ Cl ₆ ³⁷ Cl ₂ O ₃	HxCDD (S)					
	445.7555	M+4	C ₁₂ H ₃₅ Cl ₅ ³⁷ ClO	OCDF					
	[430.9728]	LOCK	C ₉ F ₁₇	PFK					

(a) The following nucleic masses were used:

H = 1.007825
C = 12.000000
¹³C = 13.003355
F = 18.9984
O = 15.994915
³⁵Cl = 34.968853
³⁷Cl = 36.965903

S = Internal/recovery standard

LDC #:

VALIDATION FINDINGS WORKSHEET

Sample Calculation Verification

Page: 7 of 7

Reviewer: FT

2nd reviewer:

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA SW 846 Method 1613B)

Y	N	N/A
---	---	-----

Were all reported results recalculated and verified for all level IV samples?

Y/N N/A

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_s)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$$

Example:

Sample I.D. #1, OCDF:

$$\text{Conc.} = \frac{(538 + 537)(\frac{4000}{10.3})}{(123775 + 65635)(0.945)} = 0.329$$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
RRF	=	Relative Response Factor (average) from the initial calibration
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.

[illegible]

LDC #: _____

SDG #: _____

VALIDATION FINDINGS WORKSHEET

Sample Calculation Verification (additional page)

Page: ___ of ___

Reviewer:_____

SAMPLE DELIVERY GROUP

DX101

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
09-Jun-2011	SL-050-SA5DN-SB-4.0-5.0	6312191	N	METHOD	1613B	III
09-Jun-2011	SL-050-SA5DN-SB-11.2-12.5	6312192	N	METHOD	1613B	III
09-Jun-2011	SL-040-SA5DN-SB-4.0-5.0	6312189	N	METHOD	1613B	III
09-Jun-2011	SL-040-SA5DN-SB-10.5-11.5	6312190	N	METHOD	1613B	III
09-Jun-2011	SL-116-SA8N-SB-4.0-5.0	6312193	N	METHOD	1613B	III
10-Jun-2011	SL-041-SA5DN-SB-9.0-10.0	6313378	N	METHOD	1613B	III
10-Jun-2011	SL-041-SA5DN-SB-4.0-5.0	6313377	N	METHOD	1613B	III
10-Jun-2011	SL-045-SA5DN-SB-9.0-10.0	6313380	N	METHOD	1613B	III
10-Jun-2011	SL-045-SA5DN-SB-4.0-5.0	6313379	N	METHOD	1613B	III
10-Jun-2011	SL-111-SA8N-SB-3.0-4.0	6313385	N	METHOD	1613B	III
10-Jun-2011	SL-049-SA5DN-SB-4.0-5.0	6313383	N	METHOD	1613B	III
10-Jun-2011	SL-049-SA5DN-SB-15.5-16.5	6313384	N	METHOD	1613B	III
10-Jun-2011	SL-048-SA5DN-SB-4.0-5.0	6313381	N	METHOD	1613B	III
10-Jun-2011	SL-048-SA5DN-SB-11.5-12.5	6313382	N	METHOD	1613B	III
13-Jun-2011	SL-046-SA5DN-SB-4.0-5.0	6314493	N	METHOD	1613B	III
13-Jun-2011	SL-046-SA5DN-SB-9.0-10.0	6314494	N	METHOD	1613B	III
13-Jun-2011	SL-042-SA5DN-SB-4.0-5.0	6314489	N	METHOD	1613B	III
13-Jun-2011	SL-042-SA5DN-SB-9.0-10.0	6314490	N	METHOD	1613B	III
13-Jun-2011	SL-043-SA5DN-SB-4.0-5.0	6314491	N	METHOD	1613B	III
13-Jun-2011	SL-043-SA5DN-SB-9.0-10.0	6314492	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-040-SA5DN-SB-10.5-11.5

Collected: 6/9/2011 10:39:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.424	JB	0.0148	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0853	JB	0.0252	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0286	J	0.0277	MDL	5.23	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0433	JB	0.0171	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.227	JB	0.0270	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0171	JB	0.0147	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.123	JBQ	0.0280	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0760	JBQ	0.0207	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0327	JB	0.0236	MDL	5.23	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0459	JB	0.0164	MDL	5.23	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0287	JB	0.0130	MDL	5.23	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0273	JBQ	0.0247	MDL	1.05	PQL	ng/Kg	U	B
OCDF	1.12	JB	0.0394	MDL	10.5	PQL	ng/Kg	U	B

Sample ID: SL-040-SA5DN-SB-4.0-5.0

Collected: 6/9/2011 10:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.77	JB	0.0233	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.246	JB	0.0338	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.191	J	0.0437	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.459	JB	0.0368	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.35	JB	0.0428	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.228	JB	0.0332	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.759	JB	0.0414	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.601	JB	0.0423	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.127	JBQ	0.0306	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.834	JB	0.0343	MDL	5.79	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.191	JB	0.0345	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.691	JB	0.0343	MDL	5.79	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0599	JBQ	0.0293	MDL	1.16	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.325	J	0.0742	MDL	1.16	PQL	ng/Kg	J	Z
OCDF	5.20	JB	0.0405	MDL	11.6	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:06:32 PM

ADR version 1.4.0.111

Page 1 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-041-SA5DN-SB-4.0-5.0

Collected: 6/10/2011 11:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.988	JB	0.0175	MDL	5.93	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.129	JBQ	0.0294	MDL	5.93	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.173	J	0.0358	MDL	5.93	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.257	JB	0.0298	MDL	5.93	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.686	JB	0.0360	MDL	5.93	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.168	JB	0.0259	MDL	5.93	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.778	JB	0.0369	MDL	5.93	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.801	JB	0.0373	MDL	5.93	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.185	JB	0.0340	MDL	5.93	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.570	JB	0.0309	MDL	5.93	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.174	JB	0.0288	MDL	5.93	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.572	JB	0.0315	MDL	5.93	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.113	JQ	0.0604	MDL	1.19	PQL	ng/Kg	J	Z
OCDF	2.66	JB	0.0453	MDL	11.9	PQL	ng/Kg	J	Z

Sample ID: SL-041-SA5DN-SB-9.0-10.0

Collected: 6/10/2011 10:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.915	JB	0.0177	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.165	JB	0.0314	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.228	J	0.0327	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.283	JB	0.0250	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.564	JB	0.0338	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.264	JB	0.0221	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.324	JB	0.0333	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.267	JB	0.0303	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.393	JB	0.0298	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.462	JB	0.0186	MDL	5.48	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.228	JB	0.0242	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.412	JB	0.0179	MDL	5.48	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0998	JBQ	0.0271	MDL	1.10	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.154	J	0.0364	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	2.13	JB	0.0358	MDL	11.0	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:06:32 PM

ADR version 1.4.0.111

Page 2 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-042-SA5DN-SB-4.0-5.0

Collected: 6/13/2011 11:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.44	JB	0.0258	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.282	JB	0.0550	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.276	J	0.0594	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.229	JB	0.0337	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	1.28	JB	0.0590	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.207	JB	0.0262	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.562	JB	0.0573	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.243	JB	0.0441	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.249	JB	0.0302	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.386	JB	0.0177	MDL	5.77	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.236	JB	0.0314	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.363	JB	0.0193	MDL	5.77	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0594	JBQ	0.0265	MDL	1.15	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0863	J	0.0450	MDL	1.15	PQL	ng/Kg	J	Z
OCDF	7.22	JB	0.0535	MDL	11.5	PQL	ng/Kg	J	Z

Sample ID: SL-042-SA5DN-SB-9.0-10.0

Collected: 6/13/2011 11:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.03	JB	0.0293	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.173	JBQ	0.0536	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.221	J	0.0503	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.314	JB	0.0386	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.633	JB	0.0501	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.258	JBQ	0.0323	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.349	JB	0.0488	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.258	JBQ	0.0488	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.310	JB	0.0351	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.418	JB	0.0248	MDL	5.46	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.222	JBQ	0.0355	MDL	5.46	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.432	JB	0.0252	MDL	5.46	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0660	JB	0.0327	MDL	1.09	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.143	J	0.0670	MDL	1.09	PQL	ng/Kg	J	Z
OCDF	2.93	JB	0.0523	MDL	10.9	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:06:32 PM

ADR version 1.4.0.111

Page 3 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-043-SA5DN-SB-4.0-5.0

Collected: 6/13/2011 11:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.44	JB	0.0266	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.177	JBQ	0.0519	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.104	J	0.0424	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.159	JBQ	0.0296	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.663	JB	0.0443	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.144	JB	0.0251	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.319	JB	0.0428	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.242	JB	0.0310	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.151	JB	0.0257	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.171	JB	0.0142	MDL	5.67	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.141	JB	0.0268	MDL	5.67	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.224	JBQ	0.0148	MDL	5.67	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0359	JBQ	0.0230	MDL	1.13	PQL	ng/Kg	U	B
OCDF	3.86	JB	0.0424	MDL	11.3	PQL	ng/Kg	J	Z

Sample ID: SL-043-SA5DN-SB-9.0-10.0

Collected: 6/13/2011 12:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.473	JB	0.0312	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.104	JB	0.00769	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0447	JBQ	0.0200	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0328	JBQ	0.0131	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0135	JBQ	0.00964	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0240	JBQ	0.0191	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0198	JBQ	0.0154	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0227	JBQ	0.0125	MDL	5.58	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0558	JB	0.0118	MDL	5.58	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0749	JBQ	0.0132	MDL	5.58	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0305	JBQ	0.0269	MDL	1.12	PQL	ng/Kg	U	B
OCDD	2.53	JB	0.0276	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.192	JB	0.0553	MDL	11.2	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:06:32 PM

ADR version 1.4.0.111

Page 4 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-045-SA5DN-SB-4.0-5.0

Collected: 6/10/2011 11:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.737	JB	0.0325	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.273	JB	0.0105	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.125	JB	0.0197	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.324	J	0.0277	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.421	JB	0.0222	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.329	JB	0.0274	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.384	JB	0.0174	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.329	JBQ	0.0255	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.343	JBQ	0.0261	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.535	JB	0.0268	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.504	JB	0.0156	MDL	5.83	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.313	JB	0.0211	MDL	5.83	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.541	JB	0.0165	MDL	5.83	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0874	JBQ	0.0288	MDL	1.17	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0636	JQ	0.0303	MDL	1.17	PQL	ng/Kg	J	Z
OCDD	2.98	JB	0.0260	MDL	11.7	PQL	ng/Kg	U	B
OCDF	0.321	JBQ	0.0362	MDL	11.7	PQL	ng/Kg	U	B

Sample ID: SL-045-SA5DN-SB-9.0-10.0

Collected: 6/10/2011 11:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.854	JB	0.0365	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.206	JB	0.0112	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.139	JBQ	0.0213	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.100	JQ	0.0250	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.133	JBQ	0.0184	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.117	JB	0.0245	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.124	JB	0.0140	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.124	JBQ	0.0237	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0953	JBQ	0.0224	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.105	JB	0.0257	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.172	JBQ	0.0128	MDL	5.70	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.147	JB	0.0166	MDL	5.70	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.177	JB	0.0135	MDL	5.70	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:06:32 PM

ADR version 1.4.0.111

Page 5 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-045-SA5DN-SB-9.0-10.0

Collected: 6/10/2011 11:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDD	0.0458	JBQ	0.0319	MDL	1.14	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0627	J	0.0267	MDL	1.14	PQL	ng/Kg	J	Z
OCDD	5.29	JB	0.0249	MDL	11.4	PQL	ng/Kg	J	Z
OCDF	0.410	JBQ	0.0435	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-046-SA5DN-SB-4.0-5.0

Collected: 6/13/2011 9:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.851	JB	0.0351	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.166	JB	0.00832	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.122	JBQ	0.0187	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0323	J	0.0214	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.0469	JB	0.0132	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0826	JB	0.0218	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0268	JBQ	0.0101	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0898	JBQ	0.0217	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.106	JBQ	0.0146	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0323	JB	0.00913	MDL	5.60	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0743	JBQ	0.0121	MDL	5.60	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0749	JBQ	0.00994	MDL	5.60	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0242	JBQ	0.0225	MDL	1.12	PQL	ng/Kg	U	B
OCDD	7.30	JB	0.0286	MDL	11.2	PQL	ng/Kg	J	Z
OCDF	0.421	JB	0.0454	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-046-SA5DN-SB-9.0-10.0

Collected: 6/13/2011 10:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.659	JBQ	0.0370	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.147	JBQ	0.00847	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0833	JB	0.0195	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0231	JQ	0.0217	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.0331	JBQ	0.0128	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0554	JBQ	0.0211	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0296	JBQ	0.0101	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0486	JB	0.0201	MDL	5.53	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:06:32 PM

ADR version 1.4.0.111

Page 6 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-046-SA5DN-SB-9.0-10.0

Collected: 6/13/2011 10:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDF	0.0126	JBQ	0.0116	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0523	JBQ	0.0106	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0831	JB	0.0115	MDL	5.53	PQL	ng/Kg	U	B
OCDD	4.70	JB	0.0302	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.260	JB	0.0528	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-048-SA5DN-SB-11.5-12.5

Collected: 6/10/2011 3:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.473	JBQ	0.0287	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0899	JB	0.00887	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0393	JBQ	0.0174	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0208	JQ	0.0189	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0294	JB	0.0125	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCD	0.0428	JB	0.0191	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCD	0.0186	JBQ	0.0102	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCD	0.0575	JBQ	0.0185	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCD	0.0499	JBQ	0.0131	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0423	JB	0.0268	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCD	0.0553	JB	0.0117	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0480	JB	0.0122	MDL	5.56	PQL	ng/Kg	U	B
OCDD	0.894	JBQ	0.0245	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.200	JB	0.0380	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-048-SA5DN-SB-4.0-5.0

Collected: 6/10/2011 3:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.19	JB	0.0321	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.250	JB	0.0105	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0985	JBQ	0.0207	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0421	J	0.0241	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCD	0.0760	JB	0.0213	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCD	0.187	JBQ	0.0235	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCD	0.0792	JB	0.0171	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCD	0.284	JB	0.0244	MDL	5.81	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:06:32 PM

ADR version 1.4.0.111

Page 7 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-048-SA5DN-SB-4.0-5.0

Collected: 6/10/2011 3:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	0.390	JBQ	0.0262	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0583	JBQ	0.0267	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0841	JBQ	0.0139	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0983	JB	0.0189	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0964	JBQ	0.0142	MDL	5.81	PQL	ng/Kg	U	B
OCDD	7.46	JB	0.0269	MDL	11.6	PQL	ng/Kg	J	Z
OCDF	0.522	JB	0.0430	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-049-SA5DN-SB-15.5-16.5

Collected: 6/10/2011 2:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.926	JB	0.0318	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.158	JB	0.00946	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0619	JB	0.0194	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0260	J	0.0190	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0413	JB	0.0149	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0529	JBQ	0.0192	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0362	JBQ	0.0117	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0524	JBQ	0.0188	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0419	JBQ	0.0166	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0197	JBQ	0.0109	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0588	JB	0.0136	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0889	JB	0.0119	MDL	5.66	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0296	JBQ	0.0265	MDL	1.13	PQL	ng/Kg	U	B
OCDD	8.45	JB	0.0283	MDL	11.3	PQL	ng/Kg	J	Z
OCDF	0.310	JB	0.0383	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-049-SA5DN-SB-4.0-5.0

Collected: 6/10/2011 2:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.674	JB	0.0374	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.133	JB	0.0105	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0464	JB	0.0236	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0376	JQ	0.0245	MDL	5.89	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0481	JBQ	0.0179	MDL	5.89	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:06:32 PM

ADR version 1.4.0.111

Page 8 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-049-SA5DN-SB-4.0-5.0

Collected: 6/10/2011 2:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDD	0.228	JB	0.0250	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0368	JBQ	0.0135	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.418	JB	0.0248	MDL	5.89	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.517	JB	0.0233	MDL	5.89	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0736	JB	0.0134	MDL	5.89	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0594	JBQ	0.0171	MDL	5.89	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0580	JB	0.0146	MDL	5.89	PQL	ng/Kg	U	B
OCDD	3.21	JB	0.0251	MDL	11.8	PQL	ng/Kg	U	B
OCDF	0.212	JBQ	0.0459	MDL	11.8	PQL	ng/Kg	U	B

Sample ID: SL-050-SA5DN-SB-11.2-12.5

Collected: 6/9/2011 9:30:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.626	JB	0.0322	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0890	JB	0.00780	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0270	JBQ	0.0136	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0254	JQ	0.0193	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0194	JB	0.0120	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0501	JBQ	0.0194	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0182	JBQ	0.0102	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0401	JBQ	0.0188	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0193	JBQ	0.0109	MDL	5.55	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0476	JBQ	0.0111	MDL	5.55	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0408	JBQ	0.0115	MDL	5.55	PQL	ng/Kg	U	B
OCDD	3.92	JB	0.0216	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.171	JB	0.0321	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-050-SA5DN-SB-4.0-5.0

Collected: 6/9/2011 9:25:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.786	JB	0.0417	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.122	JB	0.00983	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0627	JBQ	0.0179	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0409	J	0.0234	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0310	JB	0.0178	MDL	5.66	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:06:33 PM

ADR version 1.4.0.111

Page 9 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-050-SA5DN-SB-4.0-5.0

Collected: 6/9/2011 9:25:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDD	0.160	JB	0.0237	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0286	JBQ	0.0147	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.312	JB	0.0238	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.333	JB	0.0198	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0453	JBQ	0.0272	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0988	JBQ	0.0143	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0535	JBQ	0.0167	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0612	JBQ	0.0149	MDL	5.66	PQL	ng/Kg	U	B
OCDD	5.42	JB	0.0285	MDL	11.3	PQL	ng/Kg	J	Z
OCDF	0.270	JB	0.0467	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-111-SA8N-SB-3.0-4.0

Collected: 6/10/2011 12:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCCDD	0.860	JB	0.0352	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.162	JBQ	0.00975	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0325	JB	0.0195	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0523	JQ	0.0238	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.110	JB	0.0182	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.214	JB	0.0240	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0883	JB	0.0141	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.315	JB	0.0243	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.217	JBQ	0.0216	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.139	JBQ	0.0254	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.121	JB	0.0124	MDL	5.29	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0818	JB	0.0171	MDL	5.29	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.150	JBQ	0.0130	MDL	5.29	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0454	JQ	0.0230	MDL	1.06	PQL	ng/Kg	J	Z
OCDD	5.17	JB	0.0241	MDL	10.6	PQL	ng/Kg	J	Z
OCDF	0.241	JBQ	0.0391	MDL	10.6	PQL	ng/Kg	U	B

Sample ID: SL-116-SA8N-SB-4.0-5.0

Collected: 6/9/2011 12:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCCDD	2.49	JB	0.0421	MDL	5.77	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:06:33 PM

ADR version 1.4.0.111

Page 10 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-116-SA8N-SB-4.0-5.0

Collected: 6/9/2011 12:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.245	JB	0.0133	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0415	JBQ	0.0255	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0311	J	0.0247	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.120	JB	0.0218	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.124	JBQ	0.0247	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0500	JB	0.0173	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.155	JB	0.0258	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.146	JBQ	0.0265	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.148	JBQ	0.0208	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.102	JBQ	0.0196	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.133	JB	0.0216	MDL	5.77	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0658	J	0.0490	MDL	1.15	PQL	ng/Kg	J	Z
OCDF	0.475	JB	0.0444	MDL	11.5	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:06:33 PM

ADR version 1.4.0.111

Page 11 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*#	Professional Judgment
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Laboratory Triplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:06:33 PM

ADR version 1.4.0.111

Page 12 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Laboratory Triplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:06:33 PM

ADR version 1.4.0.111

Page 13 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Q	Matrix Spike Upper Rejection
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:06:33 PM

ADR version 1.4.0.111

Page 14 of 14

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX101

Method Blank Outlier Report

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1890B371410	7/10/2011 2:10:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HXCDF 1,2,3,6,7,8-HXCDD 1,2,3,6,7,8-HXCDF 1,2,3,7,8,9-HXCDD 1,2,3,7,8,9-HXCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HXCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD OCDD OCDF	0.430 ng/Kg 0.145 ng/Kg 0.0985 ng/Kg 0.0625 ng/Kg 0.0652 ng/Kg 0.0628 ng/Kg 0.0708 ng/Kg 0.0946 ng/Kg 0.0813 ng/Kg 0.0348 ng/Kg 0.0912 ng/Kg 0.0794 ng/Kg 0.0484 ng/Kg 1.02 ng/Kg 0.388 ng/Kg	SL-040-SA5DN-SB-10.5-11.5 SL-040-SA5DN-SB-4.0-5.0 SL-041-SA5DN-SB-4.0-5.0 SL-041-SA5DN-SB-9.0-10.0 SL-042-SA5DN-SB-4.0-5.0 SL-042-SA5DN-SB-9.0-10.0 SL-043-SA5DN-SB-4.0-5.0 SL-043-SA5DN-SB-9.0-10.0 SL-045-SA5DN-SB-4.0-5.0 SL-045-SA5DN-SB-9.0-10.0 SL-046-SA5DN-SB-4.0-5.0 SL-046-SA5DN-SB-9.0-10.0 SL-048-SA5DN-SB-11.5-12.5 SL-048-SA5DN-SB-4.0-5.0 SL-049-SA5DN-SB-15.5-16.5 SL-049-SA5DN-SB-4.0-5.0 SL-050-SA5DN-SB-11.2-12.5 SL-050-SA5DN-SB-4.0-5.0 SL-111-SA8N-SB-3.0-4.0 SL-116-SA8N-SB-4.0-5.0

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-040-SA5DN-SB-10.5-11.5(RES)	1,2,3,4,6,7,8-HPCDF	0.424 ng/Kg	0.424U ng/Kg
SL-040-SA5DN-SB-10.5-11.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0853 ng/Kg	0.0853U ng/Kg
SL-040-SA5DN-SB-10.5-11.5(RES)	1,2,3,4,7,8-HXCDF	0.0433 ng/Kg	0.0433U ng/Kg
SL-040-SA5DN-SB-10.5-11.5(RES)	1,2,3,6,7,8-HXCDD	0.227 ng/Kg	0.227U ng/Kg
SL-040-SA5DN-SB-10.5-11.5(RES)	1,2,3,6,7,8-HXCDF	0.0171 ng/Kg	0.0171U ng/Kg
SL-040-SA5DN-SB-10.5-11.5(RES)	1,2,3,7,8,9-HXCDD	0.123 ng/Kg	0.123U ng/Kg
SL-040-SA5DN-SB-10.5-11.5(RES)	1,2,3,7,8,9-HXCDF	0.0760 ng/Kg	0.0760U ng/Kg
SL-040-SA5DN-SB-10.5-11.5(RES)	1,2,3,7,8-PECDD	0.0327 ng/Kg	0.0327U ng/Kg
SL-040-SA5DN-SB-10.5-11.5(RES)	2,3,4,6,7,8-HXCDF	0.0459 ng/Kg	0.0459U ng/Kg
SL-040-SA5DN-SB-10.5-11.5(RES)	2,3,4,7,8-PECDF	0.0287 ng/Kg	0.0287U ng/Kg
SL-040-SA5DN-SB-10.5-11.5(RES)	2,3,7,8-TCDD	0.0273 ng/Kg	0.0273U ng/Kg
SL-040-SA5DN-SB-10.5-11.5(RES)	OCDF	1.12 ng/Kg	1.12U ng/Kg
SL-040-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.246 ng/Kg	0.246U ng/Kg
SL-040-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.228 ng/Kg	0.228U ng/Kg
SL-040-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.127 ng/Kg	0.127U ng/Kg
SL-040-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.191 ng/Kg	0.191U ng/Kg
SL-040-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0599 ng/Kg	0.0599U ng/Kg
SL-041-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.129 ng/Kg	0.129U ng/Kg
SL-041-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.257 ng/Kg	0.257U ng/Kg
SL-041-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.168 ng/Kg	0.168U ng/Kg
SL-041-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.185 ng/Kg	0.185U ng/Kg
SL-041-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.174 ng/Kg	0.174U ng/Kg
SL-041-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.165 ng/Kg	0.165U ng/Kg
SL-041-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.283 ng/Kg	0.283U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:06:04 PM

ADR version 1.4.0.111

Page 1 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-041-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.264 ng/Kg	0.264U ng/Kg
SL-041-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.324 ng/Kg	0.324U ng/Kg
SL-041-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.267 ng/Kg	0.267U ng/Kg
SL-041-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.393 ng/Kg	0.393U ng/Kg
SL-041-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.228 ng/Kg	0.228U ng/Kg
SL-041-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0998 ng/Kg	0.0998U ng/Kg
SL-042-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.282 ng/Kg	0.282U ng/Kg
SL-042-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.229 ng/Kg	0.229U ng/Kg
SL-042-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.207 ng/Kg	0.207U ng/Kg
SL-042-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.243 ng/Kg	0.243U ng/Kg
SL-042-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.249 ng/Kg	0.249U ng/Kg
SL-042-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.236 ng/Kg	0.236U ng/Kg
SL-042-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.363 ng/Kg	0.363U ng/Kg
SL-042-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0594 ng/Kg	0.0594U ng/Kg
SL-042-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.173 ng/Kg	0.173U ng/Kg
SL-042-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.258 ng/Kg	0.258U ng/Kg
SL-042-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.349 ng/Kg	0.349U ng/Kg
SL-042-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.258 ng/Kg	0.258U ng/Kg
SL-042-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.310 ng/Kg	0.310U ng/Kg
SL-042-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.222 ng/Kg	0.222U ng/Kg
SL-042-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0660 ng/Kg	0.0660U ng/Kg
SL-043-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.177 ng/Kg	0.177U ng/Kg
SL-043-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.159 ng/Kg	0.159U ng/Kg
SL-043-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.144 ng/Kg	0.144U ng/Kg
SL-043-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.319 ng/Kg	0.319U ng/Kg
SL-043-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.242 ng/Kg	0.242U ng/Kg
SL-043-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.151 ng/Kg	0.151U ng/Kg
SL-043-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.171 ng/Kg	0.171U ng/Kg
SL-043-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.141 ng/Kg	0.141U ng/Kg
SL-043-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.224 ng/Kg	0.224U ng/Kg
SL-043-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0359 ng/Kg	0.0359U ng/Kg
SL-043-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.473 ng/Kg	0.473U ng/Kg
SL-043-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.104 ng/Kg	0.104U ng/Kg
SL-043-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0447 ng/Kg	0.0447U ng/Kg
SL-043-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0328 ng/Kg	0.0328U ng/Kg
SL-043-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0135 ng/Kg	0.0135U ng/Kg
SL-043-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0240 ng/Kg	0.0240U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:06:04 PM

ADR version 1.4.0.111

Page 2 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-043-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0198 ng/Kg	0.0198U ng/Kg
SL-043-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0227 ng/Kg	0.0227U ng/Kg
SL-043-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0558 ng/Kg	0.0558U ng/Kg
SL-043-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0749 ng/Kg	0.0749U ng/Kg
SL-043-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0305 ng/Kg	0.0305U ng/Kg
SL-043-SA5DN-SB-9.0-10.0(RES)	OCDD	2.53 ng/Kg	2.53U ng/Kg
SL-043-SA5DN-SB-9.0-10.0(RES)	OCDF	0.192 ng/Kg	0.192U ng/Kg
SL-045-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.737 ng/Kg	0.737U ng/Kg
SL-045-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.273 ng/Kg	0.273U ng/Kg
SL-045-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.125 ng/Kg	0.125U ng/Kg
SL-045-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.329 ng/Kg	0.329U ng/Kg
SL-045-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.343 ng/Kg	0.343U ng/Kg
SL-045-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.313 ng/Kg	0.313U ng/Kg
SL-045-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0874 ng/Kg	0.0874U ng/Kg
SL-045-SA5DN-SB-4.0-5.0(RES)	OCDD	2.98 ng/Kg	2.98U ng/Kg
SL-045-SA5DN-SB-4.0-5.0(RES)	OCDF	0.321 ng/Kg	0.321U ng/Kg
SL-045-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.854 ng/Kg	0.854U ng/Kg
SL-045-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.206 ng/Kg	0.206U ng/Kg
SL-045-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.139 ng/Kg	0.139U ng/Kg
SL-045-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.133 ng/Kg	0.133U ng/Kg
SL-045-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.117 ng/Kg	0.117U ng/Kg
SL-045-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.124 ng/Kg	0.124U ng/Kg
SL-045-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.124 ng/Kg	0.124U ng/Kg
SL-045-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0953 ng/Kg	0.0953U ng/Kg
SL-045-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.105 ng/Kg	0.105U ng/Kg
SL-045-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.172 ng/Kg	0.172U ng/Kg
SL-045-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.147 ng/Kg	0.147U ng/Kg
SL-045-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.177 ng/Kg	0.177U ng/Kg
SL-045-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0458 ng/Kg	0.0458U ng/Kg
SL-045-SA5DN-SB-9.0-10.0(RES)	OCDF	0.410 ng/Kg	0.410U ng/Kg
SL-046-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.851 ng/Kg	0.851U ng/Kg
SL-046-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.166 ng/Kg	0.166U ng/Kg
SL-046-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.122 ng/Kg	0.122U ng/Kg
SL-046-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0469 ng/Kg	0.0469U ng/Kg
SL-046-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0826 ng/Kg	0.0826U ng/Kg
SL-046-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0268 ng/Kg	0.0268U ng/Kg
SL-046-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0898 ng/Kg	0.0898U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:06:05 PM

ADR version 1.4.0.111

Page 3 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-046-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.106 ng/Kg	0.106U ng/Kg
SL-046-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0323 ng/Kg	0.0323U ng/Kg
SL-046-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0743 ng/Kg	0.0743U ng/Kg
SL-046-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0749 ng/Kg	0.0749U ng/Kg
SL-046-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0242 ng/Kg	0.0242U ng/Kg
SL-046-SA5DN-SB-4.0-5.0(RES)	OCDF	0.421 ng/Kg	0.421U ng/Kg
SL-046-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.659 ng/Kg	0.659U ng/Kg
SL-046-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.147 ng/Kg	0.147U ng/Kg
SL-046-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0833 ng/Kg	0.0833U ng/Kg
SL-046-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0331 ng/Kg	0.0331U ng/Kg
SL-046-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0554 ng/Kg	0.0554U ng/Kg
SL-046-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0296 ng/Kg	0.0296U ng/Kg
SL-046-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0486 ng/Kg	0.0486U ng/Kg
SL-046-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0126 ng/Kg	0.0126U ng/Kg
SL-046-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0523 ng/Kg	0.0523U ng/Kg
SL-046-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0831 ng/Kg	0.0831U ng/Kg
SL-046-SA5DN-SB-9.0-10.0(RES)	OCDD	4.70 ng/Kg	4.70U ng/Kg
SL-046-SA5DN-SB-9.0-10.0(RES)	OCDF	0.260 ng/Kg	0.260U ng/Kg
SL-048-SA5DN-SB-11.5-12.5(RES)	1,2,3,4,6,7,8-HPCDD	0.473 ng/Kg	0.473U ng/Kg
SL-048-SA5DN-SB-11.5-12.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0899 ng/Kg	0.0899U ng/Kg
SL-048-SA5DN-SB-11.5-12.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0393 ng/Kg	0.0393U ng/Kg
SL-048-SA5DN-SB-11.5-12.5(RES)	1,2,3,4,7,8-HXCDF	0.0294 ng/Kg	0.0294U ng/Kg
SL-048-SA5DN-SB-11.5-12.5(RES)	1,2,3,6,7,8-HXCDD	0.0428 ng/Kg	0.0428U ng/Kg
SL-048-SA5DN-SB-11.5-12.5(RES)	1,2,3,6,7,8-HXCDF	0.0186 ng/Kg	0.0186U ng/Kg
SL-048-SA5DN-SB-11.5-12.5(RES)	1,2,3,7,8,9-HXCDD	0.0575 ng/Kg	0.0575U ng/Kg
SL-048-SA5DN-SB-11.5-12.5(RES)	1,2,3,7,8,9-HXCDF	0.0499 ng/Kg	0.0499U ng/Kg
SL-048-SA5DN-SB-11.5-12.5(RES)	1,2,3,7,8-PECDD	0.0423 ng/Kg	0.0423U ng/Kg
SL-048-SA5DN-SB-11.5-12.5(RES)	2,3,4,6,7,8-HXCDF	0.0553 ng/Kg	0.0553U ng/Kg
SL-048-SA5DN-SB-11.5-12.5(RES)	2,3,4,7,8-PECDF	0.0480 ng/Kg	0.0480U ng/Kg
SL-048-SA5DN-SB-11.5-12.5(RES)	OCDD	0.894 ng/Kg	0.894U ng/Kg
SL-048-SA5DN-SB-11.5-12.5(RES)	OCDF	0.200 ng/Kg	0.200U ng/Kg
SL-048-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.19 ng/Kg	1.19U ng/Kg
SL-048-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.250 ng/Kg	0.250U ng/Kg
SL-048-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0985 ng/Kg	0.0985U ng/Kg
SL-048-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0760 ng/Kg	0.0760U ng/Kg
SL-048-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.187 ng/Kg	0.187U ng/Kg
SL-048-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0792 ng/Kg	0.0792U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:06:05 PM

ADR version 1.4.0.111

Page 4 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-048-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.284 ng/Kg	0.284U ng/Kg
SL-048-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.390 ng/Kg	0.390U ng/Kg
SL-048-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0583 ng/Kg	0.0583U ng/Kg
SL-048-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0841 ng/Kg	0.0841U ng/Kg
SL-048-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0983 ng/Kg	0.0983U ng/Kg
SL-048-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0964 ng/Kg	0.0964U ng/Kg
SL-048-SA5DN-SB-4.0-5.0(RES)	OCDF	0.522 ng/Kg	0.522U ng/Kg
SL-049-SA5DN-SB-15.5-16.5(RES)	1,2,3,4,6,7,8-HPCDD	0.926 ng/Kg	0.926U ng/Kg
SL-049-SA5DN-SB-15.5-16.5(RES)	1,2,3,4,6,7,8-HPCDF	0.158 ng/Kg	0.158U ng/Kg
SL-049-SA5DN-SB-15.5-16.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0619 ng/Kg	0.0619U ng/Kg
SL-049-SA5DN-SB-15.5-16.5(RES)	1,2,3,4,7,8-HXCDF	0.0413 ng/Kg	0.0413U ng/Kg
SL-049-SA5DN-SB-15.5-16.5(RES)	1,2,3,6,7,8-HXCDD	0.0529 ng/Kg	0.0529U ng/Kg
SL-049-SA5DN-SB-15.5-16.5(RES)	1,2,3,6,7,8-HXCDF	0.0362 ng/Kg	0.0362U ng/Kg
SL-049-SA5DN-SB-15.5-16.5(RES)	1,2,3,7,8,9-HXCDD	0.0524 ng/Kg	0.0524U ng/Kg
SL-049-SA5DN-SB-15.5-16.5(RES)	1,2,3,7,8,9-HXCDF	0.0419 ng/Kg	0.0419U ng/Kg
SL-049-SA5DN-SB-15.5-16.5(RES)	1,2,3,7,8-PECDF	0.0197 ng/Kg	0.0197U ng/Kg
SL-049-SA5DN-SB-15.5-16.5(RES)	2,3,4,6,7,8-HXCDF	0.0588 ng/Kg	0.0588U ng/Kg
SL-049-SA5DN-SB-15.5-16.5(RES)	2,3,4,7,8-PECDF	0.0889 ng/Kg	0.0889U ng/Kg
SL-049-SA5DN-SB-15.5-16.5(RES)	2,3,7,8-TCDD	0.0296 ng/Kg	0.0296U ng/Kg
SL-049-SA5DN-SB-15.5-16.5(RES)	OCDF	0.310 ng/Kg	0.310U ng/Kg
SL-049-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.674 ng/Kg	0.674U ng/Kg
SL-049-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.133 ng/Kg	0.133U ng/Kg
SL-049-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0464 ng/Kg	0.0464U ng/Kg
SL-049-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0481 ng/Kg	0.0481U ng/Kg
SL-049-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.228 ng/Kg	0.228U ng/Kg
SL-049-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0368 ng/Kg	0.0368U ng/Kg
SL-049-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0736 ng/Kg	0.0736U ng/Kg
SL-049-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0594 ng/Kg	0.0594U ng/Kg
SL-049-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0580 ng/Kg	0.0580U ng/Kg
SL-049-SA5DN-SB-4.0-5.0(RES)	OCDD	3.21 ng/Kg	3.21U ng/Kg
SL-049-SA5DN-SB-4.0-5.0(RES)	OCDF	0.212 ng/Kg	0.212U ng/Kg
SL-050-SA5DN-SB-11.2-12.5(RES)	1,2,3,4,6,7,8-HPCDD	0.626 ng/Kg	0.626U ng/Kg
SL-050-SA5DN-SB-11.2-12.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0890 ng/Kg	0.0890U ng/Kg
SL-050-SA5DN-SB-11.2-12.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0270 ng/Kg	0.0270U ng/Kg
SL-050-SA5DN-SB-11.2-12.5(RES)	1,2,3,4,7,8-HXCDF	0.0194 ng/Kg	0.0194U ng/Kg
SL-050-SA5DN-SB-11.2-12.5(RES)	1,2,3,6,7,8-HXCDD	0.0501 ng/Kg	0.0501U ng/Kg
SL-050-SA5DN-SB-11.2-12.5(RES)	1,2,3,6,7,8-HXCDF	0.0182 ng/Kg	0.0182U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:06:05 PM

ADR version 1.4.0.111

Page 5 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-050-SA5DN-SB-11.2-12.5(RES)	1,2,3,7,8,9-HXCDD	0.0401 ng/Kg	0.0401U ng/Kg
SL-050-SA5DN-SB-11.2-12.5(RES)	1,2,3,7,8-PECDF	0.0193 ng/Kg	0.0193U ng/Kg
SL-050-SA5DN-SB-11.2-12.5(RES)	2,3,4,6,7,8-HXCDF	0.0476 ng/Kg	0.0476U ng/Kg
SL-050-SA5DN-SB-11.2-12.5(RES)	2,3,4,7,8-PECDF	0.0408 ng/Kg	0.0408U ng/Kg
SL-050-SA5DN-SB-11.2-12.5(RES)	OCDD	3.92 ng/Kg	3.92U ng/Kg
SL-050-SA5DN-SB-11.2-12.5(RES)	OCDF	0.171 ng/Kg	0.171U ng/Kg
SL-050-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.786 ng/Kg	0.786U ng/Kg
SL-050-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.122 ng/Kg	0.122U ng/Kg
SL-050-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0627 ng/Kg	0.0627U ng/Kg
SL-050-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0310 ng/Kg	0.0310U ng/Kg
SL-050-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.160 ng/Kg	0.160U ng/Kg
SL-050-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0286 ng/Kg	0.0286U ng/Kg
SL-050-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.312 ng/Kg	0.312U ng/Kg
SL-050-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.333 ng/Kg	0.333U ng/Kg
SL-050-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0453 ng/Kg	0.0453U ng/Kg
SL-050-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0988 ng/Kg	0.0988U ng/Kg
SL-050-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0535 ng/Kg	0.0535U ng/Kg
SL-050-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0612 ng/Kg	0.0612U ng/Kg
SL-050-SA5DN-SB-4.0-5.0(RES)	OCDF	0.270 ng/Kg	0.270U ng/Kg
SL-111-SA8N-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.860 ng/Kg	0.860U ng/Kg
SL-111-SA8N-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.162 ng/Kg	0.162U ng/Kg
SL-111-SA8N-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0325 ng/Kg	0.0325U ng/Kg
SL-111-SA8N-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.110 ng/Kg	0.110U ng/Kg
SL-111-SA8N-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDD	0.214 ng/Kg	0.214U ng/Kg
SL-111-SA8N-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0883 ng/Kg	0.0883U ng/Kg
SL-111-SA8N-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDD	0.315 ng/Kg	0.315U ng/Kg
SL-111-SA8N-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.217 ng/Kg	0.217U ng/Kg
SL-111-SA8N-SB-3.0-4.0(RES)	1,2,3,7,8-PECDD	0.139 ng/Kg	0.139U ng/Kg
SL-111-SA8N-SB-3.0-4.0(RES)	1,2,3,7,8-PECDF	0.121 ng/Kg	0.121U ng/Kg
SL-111-SA8N-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0818 ng/Kg	0.0818U ng/Kg
SL-111-SA8N-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.150 ng/Kg	0.150U ng/Kg
SL-111-SA8N-SB-3.0-4.0(RES)	OCDF	0.241 ng/Kg	0.241U ng/Kg
SL-116-SA8N-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.245 ng/Kg	0.245U ng/Kg
SL-116-SA8N-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0415 ng/Kg	0.0415U ng/Kg
SL-116-SA8N-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.120 ng/Kg	0.120U ng/Kg
SL-116-SA8N-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.124 ng/Kg	0.124U ng/Kg
SL-116-SA8N-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0500 ng/Kg	0.0500U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:06:05 PM

ADR version 1.4.0.111

Page 6 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
---------------------------	---------------	---------	--------	-----------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-116-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.155 ng/Kg	0.155U ng/Kg
SL-116-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.146 ng/Kg	0.146U ng/Kg
SL-116-SA8N-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.148 ng/Kg	0.148U ng/Kg
SL-116-SA8N-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.102 ng/Kg	0.102U ng/Kg
SL-116-SA8N-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.133 ng/Kg	0.133U ng/Kg
SL-116-SA8N-SB-4.0-5.0(RES)	OCDF	0.475 ng/Kg	0.475U ng/Kg

Reporting Limit Outliers

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-040-SA5DN-SB-10.5-11.5	1,2,3,4,6,7,8-HPCDF	JB	0.424	5.23	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.0853	5.23	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0286	5.23	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0433	5.23	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.227	5.23	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0171	5.23	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.123	5.23	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0760	5.23	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0327	5.23	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0459	5.23	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0287	5.23	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0273	1.05	PQL	ng/Kg	
	OCDF	JB	1.12	10.5	PQL	ng/Kg	
	OCDF	JB	1.12	10.5	PQL	ng/Kg	
SL-040-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	1.77	5.79	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.246	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.191	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.459	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.35	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.228	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.759	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.601	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.127	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.834	5.79	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.191	5.79	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.691	5.79	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0599	1.16	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.325	1.16	PQL	ng/Kg	
	OCDF	JB	5.20	11.6	PQL	ng/Kg	
SL-041-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	0.988	5.93	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.129	5.93	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.173	5.93	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.257	5.93	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.686	5.93	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.168	5.93	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.778	5.93	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.801	5.93	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.185	5.93	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.570	5.93	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.174	5.93	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.572	5.93	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.113	1.19	PQL	ng/Kg	
	OCDF	JB	2.66	11.9	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-041-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDF	JB	0.915	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.165	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.228	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.283	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.564	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.264	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.324	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.267	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.393	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.462	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.228	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.412	5.48	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0998	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.154	1.10	PQL	ng/Kg	
	OCDF	JB	2.13	11.0	PQL	ng/Kg	
SL-042-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	2.44	5.77	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.282	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.276	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.229	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.28	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.207	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.562	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.243	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.249	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.386	5.77	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.236	5.77	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.363	5.77	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0594	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0863	1.15	PQL	ng/Kg	
	OCDF	JB	7.22	11.5	PQL	ng/Kg	
SL-042-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDF	JB	1.03	5.46	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.173	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.221	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.314	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.633	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.258	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.349	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.258	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.310	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.418	5.46	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.222	5.46	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.432	5.46	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0660	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.143	1.09	PQL	ng/Kg	
	OCDF	JB	2.93	10.9	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-043-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	1.44	5.67	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.177	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.104	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.159	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.663	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.144	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.319	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.242	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.151	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.171	5.67	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.141	5.67	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.224	5.67	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0359	1.13	PQL	ng/Kg	
	OCDF	JB	3.86	11.3	PQL	ng/Kg	
SL-043-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.473	5.58	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.104	5.58	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0447	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0328	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0135	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0240	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0198	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0227	5.58	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0558	5.58	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0749	5.58	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0305	1.12	PQL	ng/Kg	
	OCDD	JB	2.53	11.2	PQL	ng/Kg	
	OCDF	JB	0.192	11.2	PQL	ng/Kg	
SL-045-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.737	5.83	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.273	5.83	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.125	5.83	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.324	5.83	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.421	5.83	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.329	5.83	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.384	5.83	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.329	5.83	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.343	5.83	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.535	5.83	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.504	5.83	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.313	5.83	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.541	5.83	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0874	1.17	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0636	1.17	PQL	ng/Kg	
	OCDD	JB	2.98	11.7	PQL	ng/Kg	
	OCDF	JBQ	0.321	11.7	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-045-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.854	5.70	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.206	5.70	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.139	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.100	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.133	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.117	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.124	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.124	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0953	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.105	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.172	5.70	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.147	5.70	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.177	5.70	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0458	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0627	1.14	PQL	ng/Kg	
	OCDD	JB	5.29	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.410	11.4	PQL	ng/Kg	
SL-046-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.851	5.60	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.166	5.60	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.122	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0323	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0469	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0826	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0268	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0898	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.106	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0323	5.60	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0743	5.60	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0749	5.60	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0242	1.12	PQL	ng/Kg	
	OCDD	JB	7.30	11.2	PQL	ng/Kg	
	OCDF	JB	0.421	11.2	PQL	ng/Kg	
SL-046-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.659	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.147	5.53	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0833	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0231	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0331	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0554	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0296	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0486	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0126	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0523	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0831	5.53	PQL	ng/Kg	
	OCDD	JB	4.70	11.1	PQL	ng/Kg	
	OCDF	JB	0.260	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-048-SA5DN-SB-11.5-12.5	1,2,3,4,6,7,8-HPCDD	JBQ	0.473	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0899	5.56	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0393	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0208	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0294	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0428	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0186	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0575	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0499	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0423	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0553	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0480	5.56	PQL	ng/Kg	
	OCDD	JBQ	0.894	11.1	PQL	ng/Kg	
	OCDF	JB	0.200	11.1	PQL	ng/Kg	
SL-048-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.19	5.81	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.250	5.81	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0985	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0421	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0760	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.187	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0792	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.284	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.390	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0583	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0841	5.81	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0983	5.81	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0964	5.81	PQL	ng/Kg	
	OCDD	JB	7.46	11.6	PQL	ng/Kg	
	OCDF	JB	0.522	11.6	PQL	ng/Kg	
SL-049-SA5DN-SB-15.5-16.5	1,2,3,4,6,7,8-HPCDD	JB	0.926	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.158	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0619	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0260	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0413	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0529	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0362	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0524	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0419	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0197	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0588	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0889	5.66	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0296	1.13	PQL	ng/Kg	
	OCDD	JB	8.45	11.3	PQL	ng/Kg	
	OCDF	JB	0.310	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-049-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.674	5.89	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.133	5.89	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0464	5.89	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0376	5.89	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0481	5.89	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.228	5.89	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0368	5.89	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.418	5.89	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.517	5.89	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0736	5.89	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0594	5.89	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0580	5.89	PQL	ng/Kg	
	OCDD	JB	3.21	11.8	PQL	ng/Kg	
	OCDF	JBQ	0.212	11.8	PQL	ng/Kg	
SL-050-SA5DN-SB-11.2-12.5	1,2,3,4,6,7,8-HPCDD	JB	0.626	5.55	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0890	5.55	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0270	5.55	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0254	5.55	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0194	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0501	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0182	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0401	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0193	5.55	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0476	5.55	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0408	5.55	PQL	ng/Kg	
	OCDD	JB	3.92	11.1	PQL	ng/Kg	
	OCDF	JB	0.171	11.1	PQL	ng/Kg	
SL-050-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.786	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.122	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0627	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0409	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0310	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.160	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0286	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.312	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.333	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0453	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0988	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0535	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0612	5.66	PQL	ng/Kg	
	OCDD	JB	5.42	11.3	PQL	ng/Kg	
	OCDF	JB	0.270	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX101

Laboratory: LL

EDD Filename: DX101_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-111-SA8N-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JB	0.860	5.29	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.162	5.29	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0325	5.29	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0523	5.29	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.110	5.29	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.214	5.29	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0883	5.29	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.315	5.29	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.217	5.29	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.139	5.29	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.121	5.29	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0818	5.29	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.150	5.29	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0454	1.06	PQL	ng/Kg	
	OCDD	JB	5.17	10.6	PQL	ng/Kg	
	OCDF	JBQ	0.241	10.6	PQL	ng/Kg	
SL-116-SA8N-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.49	5.77	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.245	5.77	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0415	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0311	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.120	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.124	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0500	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.155	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.146	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.148	5.77	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.102	5.77	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.133	5.77	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0658	1.15	PQL	ng/Kg	
	OCDF	JB	0.475	11.5	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX102

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
13-June-2011	SL-047-SA5DN-SB-10.0-11.0	6314509	N	METHOD	1613B	III
13-June-2011	SL-054-SA5DN-SB-4.0-5.0	6314510	N	METHOD	1613B	III
13-June-2011	SL-054-SA5DN-SB-9.0-10.0	6314511	N	METHOD	1613B	III
13-June-2011	SL-202-SA5DN-SB-4.0-5.0	6314512	N	METHOD	1613B	III
13-June-2011	SL-202-SA5DN-SB-9.0-10.0	6314513	N	METHOD	1613B	III
13-June-2011	SL-047-SA5DN-SB-4.0-5.0	6314508	N	METHOD	1613B	III
14-June-2011	SL-033-SA5DN-SB-11.0-12.0	6315651	N	METHOD	1613B	III
14-June-2011	SL-032-SA5DN-SB-4.0-5.0	6315646	N	METHOD	1613B	III
14-June-2011	SL-032-SA5DN-SB-10.0-11.0	6315647	N	METHOD	1613B	III
14-June-2011	SL-033-SA5DN-SB-4.0-5.0	6315648	N	METHOD	1613B	III
14-June-2011	SL-033-SA5DN-SB-4.0-5.0MSD	6315650	MSD	METHOD	1613B	III
14-June-2011	SL-035-SA5DN-SB-4.0-5.0	6315652	N	METHOD	1613B	III
14-June-2011	SL-035-SA5DN-SB-9.5-10.5	6315653	N	METHOD	1613B	III
14-June-2011	SL-044-SA5DN-SB-4.0-5.0	6315654	N	METHOD	1613B	III
14-June-2011	SL-044-SA5DN-SB-12.0-13.0	6315655	N	METHOD	1613B	III
14-June-2011	DUP14-SA5DN-QC-061411	6315656	FD	METHOD	1613B	III
14-June-2011	EB17-SA5DN-SB-061411	6315657	EB	METHOD	1613B	III
14-June-2011	SL-033-SA5DN-SB-4.0-5.0MS	6315649	MS	METHOD	1613B	III
16-June-2011	SL-058-SA5DN-SB-9.0-10.0	6318865	N	METHOD	1613B	III
16-June-2011	SL-057-SA5DN-SB-4.0-5.0	6318862	N	METHOD	1613B	III
16-June-2011	SL-057-SA5DN-SB-9.0-10.0	6318863	N	METHOD	1613B	III
16-June-2011	SL-058-SA5DN-SB-4.0-5.0	6318864	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	AQ

Sample ID: EB17-SA5DN-SB-061411

Collected: 6/14/2011 1:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	6.79	JB	0.361	MDL	10.3	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	13.5	B	0.191	MDL	10.3	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	1.28	JBQ	0.228	MDL	10.3	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.293	JBQ	0.186	MDL	10.3	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDF	2.43	JBQ	0.313	MDL	10.3	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDD	0.775	JBQ	0.196	MDL	10.3	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDF	1.74	JB	0.298	MDL	10.3	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDD	0.464	JBQ	0.185	MDL	10.3	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDF	1.18	JB	0.292	MDL	10.3	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.376	JB	0.104	MDL	10.3	PQL	pg/L	U	B
2,3,4,6,7,8-HxCDF	3.47	JB	0.299	MDL	10.3	PQL	pg/L	U	B
2,3,4,7,8-PECDF	1.37	JBQ	0.0944	MDL	10.3	PQL	pg/L	U	B
2,3,7,8-TCDF	0.212	JQ	0.136	MDL	2.05	PQL	pg/L	J	Z
OCDD	13.1	JB	0.361	MDL	20.5	PQL	pg/L	U	B
OCDF	6.35	JB	0.489	MDL	20.5	PQL	pg/L	U	B

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: DUP14-SA5DN-QC-061411

Collected: 6/14/2011 10:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	6.19	B	0.0374	MDL	5.72	PQL	ng/Kg	J	FD
1,2,3,4,6,7,8-HPCDF	1.34	JB	0.0180	MDL	5.72	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8,9-HPCDF	0.139	JBQ	0.0217	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.150	JB	0.0322	MDL	5.72	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDF	0.402	JB	0.0292	MDL	5.72	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HxCDD	0.449	JB	0.0325	MDL	5.72	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HxCDF	0.304	JB	0.0275	MDL	5.72	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HxCDD	0.410	JB	0.0317	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.394	JBQ	0.0295	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.278	JBQ	0.0317	MDL	5.72	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDF	0.789	JB	0.0314	MDL	5.72	PQL	ng/Kg	J	Z, FD
2,3,4,6,7,8-HxCDF	0.342	JB	0.0281	MDL	5.72	PQL	ng/Kg	J	Z, FD

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:14:00 PM

ADR version 1.4.0.111

Page 1 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: DUP14-SA5DN-QC-061411		Collected: 6/14/2011 10:45:00		Analysis Type: RES		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,7,8-PECDF	0.716	JB	0.0285	MDL	5.72	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDD	0.0727	JBQ	0.0228	MDL	1.14	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDF	0.198	JB	0.0525	MDL	1.14	PQL	ng/Kg	J	Z, FD
OCDD	54.0	B	0.0396	MDL	11.4	PQL	ng/Kg	J	FD
OCDF	1.57	JB	0.0247	MDL	11.4	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-032-SA5DN-SB-10.0-11.0		Collected: 6/14/2011 12:25:00		Analysis Type: RES		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.495	JB	0.0424	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.118	JBQ	0.0180	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0966	JBQ	0.0296	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0507	JBQ	0.0376	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0643	JBQ	0.0198	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.117	JBQ	0.0370	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0700	JBQ	0.0169	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.124	JB	0.0346	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.104	JBQ	0.0224	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0772	JBQ	0.0279	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0847	JB	0.0115	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0776	JBQ	0.0187	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.132	JB	0.0112	MDL	5.42	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0699	JBQ	0.0239	MDL	1.08	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0269	JBQ	0.0210	MDL	1.08	PQL	ng/Kg	U	B
OCDD	0.938	JB	0.0371	MDL	10.8	PQL	ng/Kg	U	B
OCDF	0.273	JB	0.0374	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-032-SA5DN-SB-4.0-5.0		Collected: 6/14/2011 12:20:00		Analysis Type: RES		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.500	JB	0.0245	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.106	JB	0.00787	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0694	JB	0.0123	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.135	JBQ	0.0206	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.137	JB	0.0108	MDL	5.51	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:14:01 PM

ADR version 1.4.0.111

Page 2 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-032-SA5DN-SB-4.0-5.0

Collected: 6/14/2011 12:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDD	0.123	JB	0.0211	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.163	JB	0.00958	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.137	JBQ	0.0209	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.112	JBQ	0.0128	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.244	JB	0.0244	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.244	JB	0.0107	MDL	5.51	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0947	JB	0.0103	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.250	JBQ	0.0104	MDL	5.51	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0541	JBQ	0.0218	MDL	1.10	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0930	JBQ	0.0228	MDL	1.10	PQL	ng/Kg	U	B
OCDD	1.52	JB	0.0219	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.161	JBQ	0.0238	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-033-SA5DN-SB-11.0-12.0

Collected: 6/14/2011 11:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCCDD	0.871	JB	0.0277	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.248	JBQ	0.00939	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.260	JBQ	0.0191	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.136	JBQ	0.0197	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.165	JB	0.0163	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.204	JBQ	0.0203	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.129	JB	0.0120	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.182	JBQ	0.0199	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.245	JBQ	0.0162	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.115	JB	0.0204	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.102	JBQ	0.0101	MDL	5.55	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.138	JB	0.0136	MDL	5.55	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.142	JBQ	0.00972	MDL	5.55	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0318	JBQ	0.0178	MDL	1.11	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0313	JBQ	0.0193	MDL	1.11	PQL	ng/Kg	U	B
OCDD	3.84	JB	0.0220	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.875	JB	0.0255	MDL	11.1	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:14:01 PM

ADR version 1.4.0.111

Page 3 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-033-SA5DN-SB-4.0-5.0

Collected: 6/14/2011 10:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.80	JB	0.0434	MDL	5.62	PQL	ng/Kg	J	Z, FD
1,2,3,4,6,7,8-HPCDF	0.170	JB	0.0163	MDL	5.62	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8,9-HPCDF	0.0887	JB	0.0271	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0715	JBQ	0.0334	MDL	5.62	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDF	0.0202	U	0.0202	MDL	5.62	PQL	ng/Kg	UJ	FD
1,2,3,6,7,8-HxCDD	0.264	JB	0.0341	MDL	5.62	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HxCDF	0.0548	JBQ	0.0172	MDL	5.62	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDD	0.300	JB	0.0324	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.259	JBQ	0.0216	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0241	U	0.0241	MDL	5.62	PQL	ng/Kg	UJ	FD
1,2,3,7,8-PECDF	0.0797	JBQ	0.0127	MDL	5.62	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HxCDF	0.0447	JBQ	0.0177	MDL	5.62	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.121	JB	0.0120	MDL	5.62	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0244	JBQ	0.0190	MDL	1.12	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDF	0.0326	JBQ	0.0185	MDL	1.12	PQL	ng/Kg	UJ	B, FD
OCDD	14.7	B	0.0343	MDL	11.2	PQL	ng/Kg	J	Q, FD
OCDF	0.446	JB	0.0334	MDL	11.2	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-035-SA5DN-SB-4.0-5.0

Collected: 6/14/2011 8:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.433	JBQ	0.0245	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0852	JB	0.00902	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0479	JBQ	0.0136	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0444	JBQ	0.0169	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0296	JBQ	0.0129	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0413	JBQ	0.0164	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0457	JBQ	0.0110	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0587	JBQ	0.0160	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0714	JBQ	0.0118	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0133	JB	0.00925	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0334	JBQ	0.00948	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0631	JBQ	0.00890	MDL	5.72	PQL	ng/Kg	U	B
OCDD	1.91	JB	0.0232	MDL	11.4	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:14:01 PM

ADR version 1.4.0.111

Page 4 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-035-SA5DN-SB-4.0-5.0			Collected: 6/14/2011 8:55:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	0.243	JB	0.0311	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-035-SA5DN-SB-9.5-10.5			Collected: 6/14/2011 9:05:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.581	JB	0.0245	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.584	JB	0.00862	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0895	JB	0.0167	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0313	JBQ	0.0187	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.108	JB	0.0177	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0605	JBQ	0.0185	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0805	JB	0.0156	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0778	JB	0.0184	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0740	JB	0.0181	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0241	JBQ	0.0209	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0423	JBQ	0.00985	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.172	JB	0.0174	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0868	JBQ	0.00974	MDL	5.53	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0188	JBQ	0.0166	MDL	1.11	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0180	JBQ	0.0169	MDL	1.11	PQL	ng/Kg	U	B
OCDD	1.18	JB	0.0193	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.489	JBQ	0.0277	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-044-SA5DN-SB-12.0-13.0			Collected: 6/14/2011 3:05:00		Analysis Type: RES		Dilution: 1		
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.02	JB	0.0250	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.600	JB	0.0104	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0976	JBQ	0.0215	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.109	JBQ	0.0232	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.232	JBQ	0.0218	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.138	JBQ	0.0229	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.192	JB	0.0182	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.157	JBQ	0.0227	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.113	JBQ	0.0255	MDL	5.52	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:14:01 PM

ADR version 1.4.0.111

Page 5 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-044-SA5DN-SB-12.0-13.0			Collected: 6/14/2011 3:05:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDD	0.166	JBQ	0.0262	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.316	JB	0.0140	MDL	5.52	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.229	JB	0.0197	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.242	JBQ	0.0142	MDL	5.52	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0564	JBQ	0.0235	MDL	1.10	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0421	JBQ	0.0290	MDL	1.10	PQL	ng/Kg	U	B
OCDD	3.77	JB	0.0264	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.552	JBQ	0.0297	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-044-SA5DN-SB-4.0-5.0			Collected: 6/14/2011 2:55:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.60	JB	0.0253	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.611	JB	0.00976	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0999	JBQ	0.0167	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0454	JBQ	0.0222	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.132	JBQ	0.0228	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.240	JB	0.0226	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.131	JBQ	0.0209	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.283	JBQ	0.0221	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.382	JB	0.0241	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0619	JBQ	0.0253	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.268	JBQ	0.0168	MDL	5.69	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.174	JB	0.0216	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.185	JBQ	0.0164	MDL	5.69	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0327	JBQ	0.0272	MDL	1.14	PQL	ng/Kg	U	B
OCDD	11.2	JB	0.0227	MDL	11.4	PQL	ng/Kg	J	Z
OCDF	0.657	JB	0.0231	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-047-SA5DN-SB-10.0-11.0			Collected: 6/13/2011 9:10:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.18	JB	0.0229	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.125	JBQ	0.00879	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0460	JBQ	0.0135	MDL	5.27	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:14:01 PM

ADR version 1.4.0.111

Page 6 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-047-SA5DN-SB-10.0-11.0			Collected: 6/13/2011 9:10:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HxCDD	0.0324	JBQ	0.0193	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0313	JBQ	0.00943	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0732	JBQ	0.0191	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0290	JBQ	0.00847	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0783	JB	0.0182	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0544	JB	0.0104	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0203	JBQ	0.0177	MDL	5.27	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0368	JBQ	0.00857	MDL	5.27	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0497	JBQ	0.00868	MDL	5.27	PQL	ng/Kg	U	B
OCDF	0.435	JB	0.0228	MDL	10.5	PQL	ng/Kg	U	B

Sample ID: SL-047-SA5DN-SB-4.0-5.0			Collected: 6/13/2011 9:00:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCCDD	2.02	JB	0.0269	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.192	JBQ	0.0123	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0595	JBQ	0.0178	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0676	JB	0.0269	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0497	JBQ	0.0126	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.145	JB	0.0272	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0433	JB	0.0112	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.166	JBQ	0.0258	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0918	JB	0.0139	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0379	JBQ	0.00841	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0429	JBQ	0.0118	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0540	JBQ	0.00830	MDL	5.61	PQL	ng/Kg	U	B
OCDF	0.448	JB	0.0253	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-054-SA5DN-SB-4.0-5.0			Collected: 6/13/2011 3:10:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCCDD	2.20	JB	0.0252	MDL	6.05	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.215	JB	0.00873	MDL	6.05	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0645	JBQ	0.0149	MDL	6.05	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0281	JB	0.0222	MDL	6.05	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:14:01 PM

ADR version 1.4.0.111

Page 7 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-054-SA5DN-SB-4.0-5.0		Collected: 6/13/2011 3:10:00		Analysis Type: RES		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.0525	JB	0.0105	MDL	6.05	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.144	JB	0.0223	MDL	6.05	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0370	JB	0.00921	MDL	6.05	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.161	JB	0.0216	MDL	6.05	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.115	JB	0.0126	MDL	6.05	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0470	JBQ	0.0205	MDL	6.05	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0341	JBQ	0.00945	MDL	6.05	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0426	JB	0.00994	MDL	6.05	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0695	JB	0.00945	MDL	6.05	PQL	ng/Kg	U	B
OCDF	0.754	JB	0.0227	MDL	12.1	PQL	ng/Kg	U	B

Sample ID: SL-054-SA5DN-SB-9.0-10.0		Collected: 6/13/2011 3:15:00		Analysis Type: RES		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.905	JB	0.0244	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0713	JBQ	0.00860	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0297	JBQ	0.0130	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0246	JB	0.0180	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0414	JBQ	0.00920	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0419	JBQ	0.0178	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0214	JB	0.00836	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0676	JBQ	0.0178	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0373	JBQ	0.0102	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0347	JB	0.0116	MDL	5.91	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0232	JBQ	0.00836	MDL	5.91	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0425	JBQ	0.0105	MDL	5.91	PQL	ng/Kg	U	B
OCDD	7.71	JB	0.0182	MDL	11.8	PQL	ng/Kg	J	Z
OCDF	0.210	JB	0.0201	MDL	11.8	PQL	ng/Kg	U	B

Sample ID: SL-057-SA5DN-SB-4.0-5.0		Collected: 6/16/2011 9:35:00		Analysis Type: RES		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.766	JB	0.0575	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.569	JB	0.0209	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.203	JB	0.0449	MDL	5.74	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:14:01 PM

ADR version 1.4.0.111

Page 8 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-057-SA5DN-SB-4.0-5.0

Collected: 6/16/2011 9:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HxCDD	0.108	JBQ	0.0391	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.188	JBQ	0.0305	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0983	JBQ	0.0389	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.146	JB	0.0249	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.159	JBQ	0.0388	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.186	JB	0.0361	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.121	JBQ	0.0296	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.120	JB	0.0141	MDL	5.74	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.190	JBQ	0.0268	MDL	5.74	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.152	JBQ	0.0150	MDL	5.74	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0276	JBQ	0.0254	MDL	1.15	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0446	JBQ	0.0231	MDL	1.15	PQL	ng/Kg	U	B
OCDD	1.66	JB	0.0458	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.753	JB	0.0596	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-057-SA5DN-SB-9.0-10.0

Collected: 6/16/2011 9:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.729	JB	0.0414	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.542	JB	0.0137	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.121	JBQ	0.0260	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0607	JBQ	0.0332	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.119	JB	0.0245	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0539	JBQ	0.0341	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.116	JBQ	0.0220	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.131	JB	0.0329	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0896	JBQ	0.0260	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0606	JBQ	0.0271	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0633	JBQ	0.0128	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.194	JBQ	0.0248	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.116	JBQ	0.0132	MDL	5.66	PQL	ng/Kg	U	B
OCDD	1.87	JB	0.0283	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.467	JB	0.0388	MDL	11.3	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:14:01 PM

ADR version 1.4.0.111

Page 9 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-058-SA5DN-SB-4.0-5.0

Collected: 6/16/2011 10:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.740	JB	0.0391	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.553	JB	0.0129	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.126	JBQ	0.0282	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.170	JB	0.0256	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0969	JBQ	0.0270	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0969	JB	0.0214	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0869	JB	0.0266	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0509	JBQ	0.0145	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.204	JB	0.0236	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.137	JBQ	0.0156	MDL	5.72	PQL	ng/Kg	U	B
OCDD	2.25	JB	0.0263	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.566	JB	0.0441	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-058-SA5DN-SB-9.0-10.0

Collected: 6/16/2011 10:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.874	JB	0.0388	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.591	JB	0.0120	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0952	JB	0.0217	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0274	JBQ	0.0259	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.146	JB	0.0219	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0788	JBQ	0.0255	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.108	JB	0.0192	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0853	JBQ	0.0243	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0769	JBQ	0.0258	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0314	JBQ	0.0272	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0629	JBQ	0.0148	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.176	JBQ	0.0203	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.103	JB	0.0145	MDL	5.72	PQL	ng/Kg	U	B
OCDD	6.53	JB	0.0328	MDL	11.4	PQL	ng/Kg	J	Z
OCDF	0.522	JB	0.0402	MDL	11.4	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:14:01 PM

ADR version 1.4.0.111

Page 10 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-202-SA5DN-SB-4.0-5.0		Collected: 6/13/2011 2:20:00		Analysis Type: RES		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.903	JB	0.0310	MDL	5.99	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0802	JB	0.00941	MDL	5.99	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0269	JBQ	0.0115	MDL	5.99	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0576	JBQ	0.0197	MDL	5.99	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0228	JBQ	0.0101	MDL	5.99	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.104	JBQ	0.0199	MDL	5.99	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0802	JBQ	0.0124	MDL	5.99	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0280	JBQ	0.0133	MDL	5.99	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0265	JBQ	0.0104	MDL	5.99	PQL	ng/Kg	U	B
OCDD	8.40	JB	0.0258	MDL	12.0	PQL	ng/Kg	J	Z
OCDF	0.191	JBQ	0.0285	MDL	12.0	PQL	ng/Kg	U	B

Sample ID: SL-202-SA5DN-SB-9.0-10.0		Collected: 6/13/2011 2:25:00		Analysis Type: RES		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.755	JB	0.0240	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.136	JB	0.00823	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0805	JB	0.0130	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.127	JBQ	0.0210	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.174	JB	0.0142	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.129	JBQ	0.0203	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.155	JB	0.0123	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.156	JBQ	0.0199	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.119	JB	0.0155	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.225	JB	0.0227	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.244	JB	0.0109	MDL	5.77	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.115	JB	0.0127	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.229	JBQ	0.0106	MDL	5.77	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0626	JBQ	0.0213	MDL	1.15	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0527	JB	0.0195	MDL	1.15	PQL	ng/Kg	U	B
OCDD	5.76	JB	0.0199	MDL	11.5	PQL	ng/Kg	J	Z
OCDF	0.251	JB	0.0237	MDL	11.5	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:14:01 PM

ADR version 1.4.0.111

Page 11 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX102

EDD Filename: DX102_v1

Laboratory: LL

eQAPP Name: CDM_SSFL_110509

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:14:01 PM

ADR version 1.4.0.111

Page 12 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*#	Professional Judgment
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Laboratory Triplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:14:02 PM

ADR version 1.4.0.111

Page 13 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Laboratory Triplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:14:02 PM

ADR version 1.4.0.111

Page 14 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Q	Matrix Spike Upper Rejection
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:14:02 PM

ADR version 1.4.0.111

Page 15 of 15

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX102

Method Blank Outlier Report

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK17908371907	6/30/2011 7:07:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD OCDD OCDF	7.89 pg/L 12.2 pg/L 1.72 pg/L 0.478 pg/L 1.69 pg/L 0.892 pg/L 1.55 pg/L 1.22 pg/L 1.02 pg/L 0.462 pg/L 0.412 pg/L 2.76 pg/L 1.37 pg/L 0.204 pg/L 15.9 pg/L 6.55 pg/L	EB17-SA5DN-SB-061411

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
EB17-SA5DN-SB-061411(RES)	1,2,3,4,6,7,8-HPCDD	6.79 pg/L	6.79U pg/L
EB17-SA5DN-SB-061411(RES)	1,2,3,4,6,7,8-HPCDF	13.5 pg/L	13.5U pg/L
EB17-SA5DN-SB-061411(RES)	1,2,3,4,7,8,9-HPCDF	1.28 pg/L	1.28U pg/L
EB17-SA5DN-SB-061411(RES)	1,2,3,4,7,8-HxCDD	0.293 pg/L	0.293U pg/L
EB17-SA5DN-SB-061411(RES)	1,2,3,4,7,8-HxCDF	2.43 pg/L	2.43U pg/L
EB17-SA5DN-SB-061411(RES)	1,2,3,6,7,8-HxCDD	0.775 pg/L	0.775U pg/L
EB17-SA5DN-SB-061411(RES)	1,2,3,6,7,8-HxCDF	1.74 pg/L	1.74U pg/L
EB17-SA5DN-SB-061411(RES)	1,2,3,7,8,9-HxCDD	0.464 pg/L	0.464U pg/L
EB17-SA5DN-SB-061411(RES)	1,2,3,7,8,9-HxCDF	1.18 pg/L	1.18U pg/L
EB17-SA5DN-SB-061411(RES)	1,2,3,7,8-PECDF	0.376 pg/L	0.376U pg/L
EB17-SA5DN-SB-061411(RES)	2,3,4,6,7,8-HxCDF	3.47 pg/L	3.47U pg/L
EB17-SA5DN-SB-061411(RES)	2,3,4,7,8-PECDF	1.37 pg/L	1.37U pg/L
EB17-SA5DN-SB-061411(RES)	OCDD	13.1 pg/L	13.1U pg/L
EB17-SA5DN-SB-061411(RES)	OCDF	6.35 pg/L	6.35U pg/L

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:13:30 PM

ADR version 1.4.0.111

Page 1 of 9

Method Blank Outlier Report

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1780B371816	6/28/2011 6:16:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HXCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HXCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HXCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HXCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD 2,3,7,8-TCDF OCDD OCDF	0.456 ng/Kg 0.123 ng/Kg 0.132 ng/Kg 0.0637 ng/Kg 0.0727 ng/Kg 0.0721 ng/Kg 0.0592 ng/Kg 0.107 ng/Kg 0.0980 ng/Kg 0.0516 ng/Kg 0.0427 ng/Kg 0.0541 ng/Kg 0.0735 ng/Kg 0.0358 ng/Kg 0.0243 ng/Kg 1.07 ng/Kg 0.379 ng/Kg	DUP14-SA5DN-QC-061411 SL-032-SA5DN-SB-10.0-11.0 SL-032-SA5DN-SB-4.0-5.0 SL-033-SA5DN-SB-11.0-12.0 SL-033-SA5DN-SB-4.0-5.0 SL-035-SA5DN-SB-4.0-5.0 SL-035-SA5DN-SB-9.5-10.5 SL-044-SA5DN-SB-12.0-13.0 SL-044-SA5DN-SB-4.0-5.0 SL-047-SA5DN-SB-10.0-11.0 SL-047-SA5DN-SB-4.0-5.0 SL-054-SA5DN-SB-4.0-5.0 SL-054-SA5DN-SB-9.0-10.0 SL-057-SA5DN-SB-4.0-5.0 SL-057-SA5DN-SB-9.0-10.0 SL-058-SA5DN-SB-4.0-5.0 SL-058-SA5DN-SB-9.0-10.0 SL-202-SA5DN-SB-4.0-5.0 SL-202-SA5DN-SB-9.0-10.0

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP14-SA5DN-QC-061411(RES)	1,2,3,4,7,8,9-HPCDF	0.139 ng/Kg	0.139U ng/Kg
DUP14-SA5DN-QC-061411(RES)	1,2,3,4,7,8-HxCDD	0.150 ng/Kg	0.150U ng/Kg
DUP14-SA5DN-QC-061411(RES)	1,2,3,7,8,9-HxCDD	0.410 ng/Kg	0.410U ng/Kg
DUP14-SA5DN-QC-061411(RES)	1,2,3,7,8,9-HXCDF	0.394 ng/Kg	0.394U ng/Kg
DUP14-SA5DN-QC-061411(RES)	2,3,7,8-TCDD	0.0727 ng/Kg	0.0727U ng/Kg
DUP14-SA5DN-QC-061411(RES)	OCDF	1.57 ng/Kg	1.57U ng/Kg
SL-032-SA5DN-SB-10.0-11.0(RES)	1,2,3,4,6,7,8-HPCDD	0.495 ng/Kg	0.495U ng/Kg
SL-032-SA5DN-SB-10.0-11.0(RES)	1,2,3,4,6,7,8-HPCDF	0.118 ng/Kg	0.118U ng/Kg
SL-032-SA5DN-SB-10.0-11.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0966 ng/Kg	0.0966U ng/Kg
SL-032-SA5DN-SB-10.0-11.0(RES)	1,2,3,4,7,8-HxCDD	0.0507 ng/Kg	0.0507U ng/Kg
SL-032-SA5DN-SB-10.0-11.0(RES)	1,2,3,4,7,8-HXCDF	0.0643 ng/Kg	0.0643U ng/Kg
SL-032-SA5DN-SB-10.0-11.0(RES)	1,2,3,6,7,8-HxCDD	0.117 ng/Kg	0.117U ng/Kg
SL-032-SA5DN-SB-10.0-11.0(RES)	1,2,3,6,7,8-HXCDF	0.0700 ng/Kg	0.0700U ng/Kg
SL-032-SA5DN-SB-10.0-11.0(RES)	1,2,3,7,8,9-HxCDD	0.124 ng/Kg	0.124U ng/Kg
SL-032-SA5DN-SB-10.0-11.0(RES)	1,2,3,7,8,9-HXCDF	0.104 ng/Kg	0.104U ng/Kg
SL-032-SA5DN-SB-10.0-11.0(RES)	1,2,3,7,8-PECDD	0.0772 ng/Kg	0.0772U ng/Kg
SL-032-SA5DN-SB-10.0-11.0(RES)	1,2,3,7,8-PECDF	0.0847 ng/Kg	0.0847U ng/Kg
SL-032-SA5DN-SB-10.0-11.0(RES)	2,3,4,6,7,8-HXCDF	0.0776 ng/Kg	0.0776U ng/Kg
SL-032-SA5DN-SB-10.0-11.0(RES)	2,3,4,7,8-PECDF	0.132 ng/Kg	0.132U ng/Kg
SL-032-SA5DN-SB-10.0-11.0(RES)	2,3,7,8-TCDD	0.0699 ng/Kg	0.0699U ng/Kg
SL-032-SA5DN-SB-10.0-11.0(RES)	2,3,7,8-TCDF	0.0269 ng/Kg	0.0269U ng/Kg
SL-032-SA5DN-SB-10.0-11.0(RES)	OCDD	0.938 ng/Kg	0.938U ng/Kg
SL-032-SA5DN-SB-10.0-11.0(RES)	OCDF	0.273 ng/Kg	0.273U ng/Kg
SL-032-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.500 ng/Kg	0.500U ng/Kg
SL-032-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.106 ng/Kg	0.106U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:13:30 PM

ADR version 1.4.0.111

Page 2 of 9

Method Blank Outlier Report

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-032-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0694 ng/Kg	0.0694U ng/Kg
SL-032-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.135 ng/Kg	0.135U ng/Kg
SL-032-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.137 ng/Kg	0.137U ng/Kg
SL-032-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.123 ng/Kg	0.123U ng/Kg
SL-032-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.163 ng/Kg	0.163U ng/Kg
SL-032-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.137 ng/Kg	0.137U ng/Kg
SL-032-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.112 ng/Kg	0.112U ng/Kg
SL-032-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.244 ng/Kg	0.244U ng/Kg
SL-032-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0947 ng/Kg	0.0947U ng/Kg
SL-032-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.250 ng/Kg	0.250U ng/Kg
SL-032-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0541 ng/Kg	0.0541U ng/Kg
SL-032-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0930 ng/Kg	0.0930U ng/Kg
SL-032-SA5DN-SB-4.0-5.0(RES)	OCDD	1.52 ng/Kg	1.52U ng/Kg
SL-032-SA5DN-SB-4.0-5.0(RES)	OCDF	0.161 ng/Kg	0.161U ng/Kg
SL-033-SA5DN-SB-11.0-12.0(RES)	1,2,3,4,6,7,8-HPCDD	0.871 ng/Kg	0.871U ng/Kg
SL-033-SA5DN-SB-11.0-12.0(RES)	1,2,3,4,6,7,8-HPCDF	0.248 ng/Kg	0.248U ng/Kg
SL-033-SA5DN-SB-11.0-12.0(RES)	1,2,3,4,7,8,9-HPCDF	0.260 ng/Kg	0.260U ng/Kg
SL-033-SA5DN-SB-11.0-12.0(RES)	1,2,3,4,7,8-HxCDD	0.136 ng/Kg	0.136U ng/Kg
SL-033-SA5DN-SB-11.0-12.0(RES)	1,2,3,4,7,8-HxCDF	0.165 ng/Kg	0.165U ng/Kg
SL-033-SA5DN-SB-11.0-12.0(RES)	1,2,3,6,7,8-HxCDD	0.204 ng/Kg	0.204U ng/Kg
SL-033-SA5DN-SB-11.0-12.0(RES)	1,2,3,6,7,8-HxCDF	0.129 ng/Kg	0.129U ng/Kg
SL-033-SA5DN-SB-11.0-12.0(RES)	1,2,3,7,8,9-HxCDD	0.182 ng/Kg	0.182U ng/Kg
SL-033-SA5DN-SB-11.0-12.0(RES)	1,2,3,7,8,9-HxCDF	0.245 ng/Kg	0.245U ng/Kg
SL-033-SA5DN-SB-11.0-12.0(RES)	1,2,3,7,8-PECDD	0.115 ng/Kg	0.115U ng/Kg
SL-033-SA5DN-SB-11.0-12.0(RES)	1,2,3,7,8-PECDF	0.102 ng/Kg	0.102U ng/Kg
SL-033-SA5DN-SB-11.0-12.0(RES)	2,3,4,6,7,8-HxCDF	0.138 ng/Kg	0.138U ng/Kg
SL-033-SA5DN-SB-11.0-12.0(RES)	2,3,4,7,8-PECDF	0.142 ng/Kg	0.142U ng/Kg
SL-033-SA5DN-SB-11.0-12.0(RES)	2,3,7,8-TCDD	0.0318 ng/Kg	0.0318U ng/Kg
SL-033-SA5DN-SB-11.0-12.0(RES)	2,3,7,8-TCDF	0.0313 ng/Kg	0.0313U ng/Kg
SL-033-SA5DN-SB-11.0-12.0(RES)	OCDD	3.84 ng/Kg	3.84U ng/Kg
SL-033-SA5DN-SB-11.0-12.0(RES)	OCDF	0.875 ng/Kg	0.875U ng/Kg
SL-033-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.170 ng/Kg	0.170U ng/Kg
SL-033-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0887 ng/Kg	0.0887U ng/Kg
SL-033-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0715 ng/Kg	0.0715U ng/Kg
SL-033-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.264 ng/Kg	0.264U ng/Kg
SL-033-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0548 ng/Kg	0.0548U ng/Kg
SL-033-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.300 ng/Kg	0.300U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:13:30 PM

ADR version 1.4.0.111

Page 3 of 9

Method Blank Outlier Report

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-033-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.259 ng/Kg	0.259U ng/Kg
SL-033-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0797 ng/Kg	0.0797U ng/Kg
SL-033-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0447 ng/Kg	0.0447U ng/Kg
SL-033-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.121 ng/Kg	0.121U ng/Kg
SL-033-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0244 ng/Kg	0.0244U ng/Kg
SL-033-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0326 ng/Kg	0.0326U ng/Kg
SL-033-SA5DN-SB-4.0-5.0(RES)	OCDF	0.446 ng/Kg	0.446U ng/Kg
SL-035-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.433 ng/Kg	0.433U ng/Kg
SL-035-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0852 ng/Kg	0.0852U ng/Kg
SL-035-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0479 ng/Kg	0.0479U ng/Kg
SL-035-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0444 ng/Kg	0.0444U ng/Kg
SL-035-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0296 ng/Kg	0.0296U ng/Kg
SL-035-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0413 ng/Kg	0.0413U ng/Kg
SL-035-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0457 ng/Kg	0.0457U ng/Kg
SL-035-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0587 ng/Kg	0.0587U ng/Kg
SL-035-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0714 ng/Kg	0.0714U ng/Kg
SL-035-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0133 ng/Kg	0.0133U ng/Kg
SL-035-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0334 ng/Kg	0.0334U ng/Kg
SL-035-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0631 ng/Kg	0.0631U ng/Kg
SL-035-SA5DN-SB-4.0-5.0(RES)	OCDD	1.91 ng/Kg	1.91U ng/Kg
SL-035-SA5DN-SB-4.0-5.0(RES)	OCDF	0.243 ng/Kg	0.243U ng/Kg
SL-035-SA5DN-SB-9.5-10.5(RES)	1,2,3,4,6,7,8-HPCDD	0.581 ng/Kg	0.581U ng/Kg
SL-035-SA5DN-SB-9.5-10.5(RES)	1,2,3,4,6,7,8-HPCDF	0.584 ng/Kg	0.584U ng/Kg
SL-035-SA5DN-SB-9.5-10.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0895 ng/Kg	0.0895U ng/Kg
SL-035-SA5DN-SB-9.5-10.5(RES)	1,2,3,4,7,8-HxCDD	0.0313 ng/Kg	0.0313U ng/Kg
SL-035-SA5DN-SB-9.5-10.5(RES)	1,2,3,4,7,8-HXCDF	0.108 ng/Kg	0.108U ng/Kg
SL-035-SA5DN-SB-9.5-10.5(RES)	1,2,3,6,7,8-HXCDD	0.0605 ng/Kg	0.0605U ng/Kg
SL-035-SA5DN-SB-9.5-10.5(RES)	1,2,3,6,7,8-HXCDF	0.0805 ng/Kg	0.0805U ng/Kg
SL-035-SA5DN-SB-9.5-10.5(RES)	1,2,3,7,8,9-HXCDD	0.0778 ng/Kg	0.0778U ng/Kg
SL-035-SA5DN-SB-9.5-10.5(RES)	1,2,3,7,8,9-HXCDF	0.0740 ng/Kg	0.0740U ng/Kg
SL-035-SA5DN-SB-9.5-10.5(RES)	1,2,3,7,8-PECDD	0.0241 ng/Kg	0.0241U ng/Kg
SL-035-SA5DN-SB-9.5-10.5(RES)	1,2,3,7,8-PECDF	0.0423 ng/Kg	0.0423U ng/Kg
SL-035-SA5DN-SB-9.5-10.5(RES)	2,3,4,6,7,8-HXCDF	0.172 ng/Kg	0.172U ng/Kg
SL-035-SA5DN-SB-9.5-10.5(RES)	2,3,4,7,8-PECDF	0.0868 ng/Kg	0.0868U ng/Kg
SL-035-SA5DN-SB-9.5-10.5(RES)	2,3,7,8-TCDD	0.0188 ng/Kg	0.0188U ng/Kg
SL-035-SA5DN-SB-9.5-10.5(RES)	2,3,7,8-TCDF	0.0180 ng/Kg	0.0180U ng/Kg
SL-035-SA5DN-SB-9.5-10.5(RES)	OCDD	1.18 ng/Kg	1.18U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:13:31 PM

ADR version 1.4.0.111

Page 4 of 9

Method Blank Outlier Report

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-035-SA5DN-SB-9.5-10.5(RES)	OCDF	0.489 ng/Kg	0.489U ng/Kg
SL-044-SA5DN-SB-12.0-13.0(RES)	1,2,3,4,6,7,8-HPCDD	1.02 ng/Kg	1.02U ng/Kg
SL-044-SA5DN-SB-12.0-13.0(RES)	1,2,3,4,6,7,8-HPCDF	0.600 ng/Kg	0.600U ng/Kg
SL-044-SA5DN-SB-12.0-13.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0976 ng/Kg	0.0976U ng/Kg
SL-044-SA5DN-SB-12.0-13.0(RES)	1,2,3,4,7,8-HxCDD	0.109 ng/Kg	0.109U ng/Kg
SL-044-SA5DN-SB-12.0-13.0(RES)	1,2,3,4,7,8-HxCDF	0.232 ng/Kg	0.232U ng/Kg
SL-044-SA5DN-SB-12.0-13.0(RES)	1,2,3,6,7,8-HxCDD	0.138 ng/Kg	0.138U ng/Kg
SL-044-SA5DN-SB-12.0-13.0(RES)	1,2,3,6,7,8-HxCDF	0.192 ng/Kg	0.192U ng/Kg
SL-044-SA5DN-SB-12.0-13.0(RES)	1,2,3,7,8,9-HxCDD	0.157 ng/Kg	0.157U ng/Kg
SL-044-SA5DN-SB-12.0-13.0(RES)	1,2,3,7,8,9-HxCDF	0.113 ng/Kg	0.113U ng/Kg
SL-044-SA5DN-SB-12.0-13.0(RES)	1,2,3,7,8-PECDD	0.166 ng/Kg	0.166U ng/Kg
SL-044-SA5DN-SB-12.0-13.0(RES)	2,3,4,6,7,8-HxCDF	0.229 ng/Kg	0.229U ng/Kg
SL-044-SA5DN-SB-12.0-13.0(RES)	2,3,4,7,8-PECDF	0.242 ng/Kg	0.242U ng/Kg
SL-044-SA5DN-SB-12.0-13.0(RES)	2,3,7,8-TCDD	0.0564 ng/Kg	0.0564U ng/Kg
SL-044-SA5DN-SB-12.0-13.0(RES)	2,3,7,8-TCDF	0.0421 ng/Kg	0.0421U ng/Kg
SL-044-SA5DN-SB-12.0-13.0(RES)	OCDD	3.77 ng/Kg	3.77U ng/Kg
SL-044-SA5DN-SB-12.0-13.0(RES)	OCDF	0.552 ng/Kg	0.552U ng/Kg
SL-044-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.60 ng/Kg	1.60U ng/Kg
SL-044-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.611 ng/Kg	0.611U ng/Kg
SL-044-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0999 ng/Kg	0.0999U ng/Kg
SL-044-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0454 ng/Kg	0.0454U ng/Kg
SL-044-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.132 ng/Kg	0.132U ng/Kg
SL-044-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.240 ng/Kg	0.240U ng/Kg
SL-044-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.131 ng/Kg	0.131U ng/Kg
SL-044-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.283 ng/Kg	0.283U ng/Kg
SL-044-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.382 ng/Kg	0.382U ng/Kg
SL-044-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0619 ng/Kg	0.0619U ng/Kg
SL-044-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.174 ng/Kg	0.174U ng/Kg
SL-044-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.185 ng/Kg	0.185U ng/Kg
SL-044-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0327 ng/Kg	0.0327U ng/Kg
SL-044-SA5DN-SB-4.0-5.0(RES)	OCDF	0.657 ng/Kg	0.657U ng/Kg
SL-047-SA5DN-SB-10.0-11.0(RES)	1,2,3,4,6,7,8-HPCDD	1.18 ng/Kg	1.18U ng/Kg
SL-047-SA5DN-SB-10.0-11.0(RES)	1,2,3,4,6,7,8-HPCDF	0.125 ng/Kg	0.125U ng/Kg
SL-047-SA5DN-SB-10.0-11.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0460 ng/Kg	0.0460U ng/Kg
SL-047-SA5DN-SB-10.0-11.0(RES)	1,2,3,4,7,8-HxCDD	0.0324 ng/Kg	0.0324U ng/Kg
SL-047-SA5DN-SB-10.0-11.0(RES)	1,2,3,4,7,8-HxCDF	0.0313 ng/Kg	0.0313U ng/Kg
SL-047-SA5DN-SB-10.0-11.0(RES)	1,2,3,6,7,8-HxCDD	0.0732 ng/Kg	0.0732U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:13:31 PM

ADR version 1.4.0.111

Page 5 of 9

Method Blank Outlier Report

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-047-SA5DN-SB-10.0-11.0(RES)	1,2,3,6,7,8-HXCDF	0.0290 ng/Kg	0.0290U ng/Kg
SL-047-SA5DN-SB-10.0-11.0(RES)	1,2,3,7,8,9-HXCDD	0.0783 ng/Kg	0.0783U ng/Kg
SL-047-SA5DN-SB-10.0-11.0(RES)	1,2,3,7,8,9-HXCDF	0.0544 ng/Kg	0.0544U ng/Kg
SL-047-SA5DN-SB-10.0-11.0(RES)	1,2,3,7,8-PECDD	0.0203 ng/Kg	0.0203U ng/Kg
SL-047-SA5DN-SB-10.0-11.0(RES)	2,3,4,6,7,8-HXCDF	0.0368 ng/Kg	0.0368U ng/Kg
SL-047-SA5DN-SB-10.0-11.0(RES)	2,3,4,7,8-PECDF	0.0497 ng/Kg	0.0497U ng/Kg
SL-047-SA5DN-SB-10.0-11.0(RES)	OCDF	0.435 ng/Kg	0.435U ng/Kg
SL-047-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	2.02 ng/Kg	2.02U ng/Kg
SL-047-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.192 ng/Kg	0.192U ng/Kg
SL-047-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0595 ng/Kg	0.0595U ng/Kg
SL-047-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0676 ng/Kg	0.0676U ng/Kg
SL-047-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0497 ng/Kg	0.0497U ng/Kg
SL-047-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.145 ng/Kg	0.145U ng/Kg
SL-047-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0433 ng/Kg	0.0433U ng/Kg
SL-047-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.166 ng/Kg	0.166U ng/Kg
SL-047-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0918 ng/Kg	0.0918U ng/Kg
SL-047-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0379 ng/Kg	0.0379U ng/Kg
SL-047-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0429 ng/Kg	0.0429U ng/Kg
SL-047-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0540 ng/Kg	0.0540U ng/Kg
SL-047-SA5DN-SB-4.0-5.0(RES)	OCDF	0.448 ng/Kg	0.448U ng/Kg
SL-054-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	2.20 ng/Kg	2.20U ng/Kg
SL-054-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.215 ng/Kg	0.215U ng/Kg
SL-054-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0645 ng/Kg	0.0645U ng/Kg
SL-054-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0281 ng/Kg	0.0281U ng/Kg
SL-054-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0525 ng/Kg	0.0525U ng/Kg
SL-054-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.144 ng/Kg	0.144U ng/Kg
SL-054-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0370 ng/Kg	0.0370U ng/Kg
SL-054-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.161 ng/Kg	0.161U ng/Kg
SL-054-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.115 ng/Kg	0.115U ng/Kg
SL-054-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0470 ng/Kg	0.0470U ng/Kg
SL-054-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0341 ng/Kg	0.0341U ng/Kg
SL-054-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0426 ng/Kg	0.0426U ng/Kg
SL-054-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0695 ng/Kg	0.0695U ng/Kg
SL-054-SA5DN-SB-4.0-5.0(RES)	OCDF	0.754 ng/Kg	0.754U ng/Kg
SL-054-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.905 ng/Kg	0.905U ng/Kg
SL-054-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0713 ng/Kg	0.0713U ng/Kg
SL-054-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0297 ng/Kg	0.0297U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:13:31 PM

ADR version 1.4.0.111

Page 6 of 9

Method Blank Outlier Report

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-054-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0246 ng/Kg	0.0246U ng/Kg
SL-054-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.0414 ng/Kg	0.0414U ng/Kg
SL-054-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.0419 ng/Kg	0.0419U ng/Kg
SL-054-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0214 ng/Kg	0.0214U ng/Kg
SL-054-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.0676 ng/Kg	0.0676U ng/Kg
SL-054-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.0373 ng/Kg	0.0373U ng/Kg
SL-054-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0347 ng/Kg	0.0347U ng/Kg
SL-054-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.0232 ng/Kg	0.0232U ng/Kg
SL-054-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0425 ng/Kg	0.0425U ng/Kg
SL-054-SA5DN-SB-9.0-10.0(RES)	OCDF	0.210 ng/Kg	0.210U ng/Kg
SL-057-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.766 ng/Kg	0.766U ng/Kg
SL-057-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.569 ng/Kg	0.569U ng/Kg
SL-057-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.203 ng/Kg	0.203U ng/Kg
SL-057-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.108 ng/Kg	0.108U ng/Kg
SL-057-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.188 ng/Kg	0.188U ng/Kg
SL-057-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0983 ng/Kg	0.0983U ng/Kg
SL-057-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.146 ng/Kg	0.146U ng/Kg
SL-057-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.159 ng/Kg	0.159U ng/Kg
SL-057-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.186 ng/Kg	0.186U ng/Kg
SL-057-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.121 ng/Kg	0.121U ng/Kg
SL-057-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.120 ng/Kg	0.120U ng/Kg
SL-057-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.190 ng/Kg	0.190U ng/Kg
SL-057-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.152 ng/Kg	0.152U ng/Kg
SL-057-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0276 ng/Kg	0.0276U ng/Kg
SL-057-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0446 ng/Kg	0.0446U ng/Kg
SL-057-SA5DN-SB-4.0-5.0(RES)	OCDD	1.66 ng/Kg	1.66U ng/Kg
SL-057-SA5DN-SB-4.0-5.0(RES)	OCDF	0.753 ng/Kg	0.753U ng/Kg
SL-057-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.729 ng/Kg	0.729U ng/Kg
SL-057-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.542 ng/Kg	0.542U ng/Kg
SL-057-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.121 ng/Kg	0.121U ng/Kg
SL-057-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0607 ng/Kg	0.0607U ng/Kg
SL-057-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.119 ng/Kg	0.119U ng/Kg
SL-057-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.0539 ng/Kg	0.0539U ng/Kg
SL-057-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.116 ng/Kg	0.116U ng/Kg
SL-057-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.131 ng/Kg	0.131U ng/Kg
SL-057-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.0896 ng/Kg	0.0896U ng/Kg
SL-057-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0606 ng/Kg	0.0606U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:13:31 PM

ADR version 1.4.0.111

Page 7 of 9

Method Blank Outlier Report

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-057-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0633 ng/Kg	0.0633U ng/Kg
SL-057-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.194 ng/Kg	0.194U ng/Kg
SL-057-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.116 ng/Kg	0.116U ng/Kg
SL-057-SA5DN-SB-9.0-10.0(RES)	OCDD	1.87 ng/Kg	1.87U ng/Kg
SL-057-SA5DN-SB-9.0-10.0(RES)	OCDF	0.467 ng/Kg	0.467U ng/Kg
SL-058-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.740 ng/Kg	0.740U ng/Kg
SL-058-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.553 ng/Kg	0.553U ng/Kg
SL-058-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.126 ng/Kg	0.126U ng/Kg
SL-058-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.170 ng/Kg	0.170U ng/Kg
SL-058-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0969 ng/Kg	0.0969U ng/Kg
SL-058-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0969 ng/Kg	0.0969U ng/Kg
SL-058-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0869 ng/Kg	0.0869U ng/Kg
SL-058-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0509 ng/Kg	0.0509U ng/Kg
SL-058-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.204 ng/Kg	0.204U ng/Kg
SL-058-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.137 ng/Kg	0.137U ng/Kg
SL-058-SA5DN-SB-4.0-5.0(RES)	OCDD	2.25 ng/Kg	2.25U ng/Kg
SL-058-SA5DN-SB-4.0-5.0(RES)	OCDF	0.566 ng/Kg	0.566U ng/Kg
SL-058-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.874 ng/Kg	0.874U ng/Kg
SL-058-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.591 ng/Kg	0.591U ng/Kg
SL-058-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0952 ng/Kg	0.0952U ng/Kg
SL-058-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0274 ng/Kg	0.0274U ng/Kg
SL-058-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.146 ng/Kg	0.146U ng/Kg
SL-058-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0788 ng/Kg	0.0788U ng/Kg
SL-058-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.108 ng/Kg	0.108U ng/Kg
SL-058-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0853 ng/Kg	0.0853U ng/Kg
SL-058-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0769 ng/Kg	0.0769U ng/Kg
SL-058-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0314 ng/Kg	0.0314U ng/Kg
SL-058-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0629 ng/Kg	0.0629U ng/Kg
SL-058-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.176 ng/Kg	0.176U ng/Kg
SL-058-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.103 ng/Kg	0.103U ng/Kg
SL-058-SA5DN-SB-9.0-10.0(RES)	OCDF	0.522 ng/Kg	0.522U ng/Kg
SL-202-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.903 ng/Kg	0.903U ng/Kg
SL-202-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0802 ng/Kg	0.0802U ng/Kg
SL-202-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0269 ng/Kg	0.0269U ng/Kg
SL-202-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0576 ng/Kg	0.0576U ng/Kg
SL-202-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0228 ng/Kg	0.0228U ng/Kg
SL-202-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.104 ng/Kg	0.104U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:13:31 PM

ADR version 1.4.0.111

Page 8 of 9

Method Blank Outlier Report

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-202-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0802 ng/Kg	0.0802U ng/Kg
SL-202-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0280 ng/Kg	0.0280U ng/Kg
SL-202-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0265 ng/Kg	0.0265U ng/Kg
SL-202-SA5DN-SB-4.0-5.0(RES)	OCDF	0.191 ng/Kg	0.191U ng/Kg
SL-202-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.755 ng/Kg	0.755U ng/Kg
SL-202-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.136 ng/Kg	0.136U ng/Kg
SL-202-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0805 ng/Kg	0.0805U ng/Kg
SL-202-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.127 ng/Kg	0.127U ng/Kg
SL-202-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.174 ng/Kg	0.174U ng/Kg
SL-202-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.129 ng/Kg	0.129U ng/Kg
SL-202-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.155 ng/Kg	0.155U ng/Kg
SL-202-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.156 ng/Kg	0.156U ng/Kg
SL-202-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.119 ng/Kg	0.119U ng/Kg
SL-202-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.225 ng/Kg	0.225U ng/Kg
SL-202-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.115 ng/Kg	0.115U ng/Kg
SL-202-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.229 ng/Kg	0.229U ng/Kg
SL-202-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0626 ng/Kg	0.0626U ng/Kg
SL-202-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0527 ng/Kg	0.0527U ng/Kg
SL-202-SA5DN-SB-9.0-10.0(RES)	OCDF	0.251 ng/Kg	0.251U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:13:31 PM

ADR version 1.4.0.111

Page 9 of 9

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-033-SA5DN-SB-4.0- 5.0MSD (SL-033-SA5DN-SB-4.0-5.0)	OCDD	-	-	40.00-135.00	30 (20.00)	OCDD	J (all detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-033-SA5DN-SB-4.0-5.0	DUP14-SA5DN-QC-061411			
MOISTURE	14.0	14.1	1		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-033-SA5DN-SB-4.0-5.0	DUP14-SA5DN-QC-061411			
1,2,3,4,7,8,9-HPCDF	0.0887	0.139	44	50.00	No Qualifiers Applied
1,2,3,7,8,9-HXCDD	0.300	0.410	31	50.00	
1,2,3,7,8,9-HXCDF	0.259	0.394	41	50.00	
1,2,3,4,6,7,8-HPCDD	2.80	6.19	75	50.00	J(all detects) UJ(all non-detects)
1,2,3,4,6,7,8-HPCDF	0.170	1.34	155	50.00	
1,2,3,4,7,8-HxCDD	0.0715	0.150	71	50.00	
1,2,3,4,7,8-HXCDF	5.62 U	0.402	200	50.00	
1,2,3,6,7,8-HXCDD	0.264	0.449	52	50.00	
1,2,3,6,7,8-HXCDF	0.0548	0.304	139	50.00	
1,2,3,7,8-PECDD	5.62 U	0.278	200	50.00	
1,2,3,7,8-PECDF	0.0797	0.789	163	50.00	
2,3,4,6,7,8-HXCDF	0.0447	0.342	154	50.00	
2,3,4,7,8-PECDF	0.121	0.716	142	50.00	
2,3,7,8-TCDD	0.0244	0.0727	99	50.00	
2,3,7,8-TCDF	0.0326	0.198	143	50.00	
OCDD	14.7	54.0	114	50.00	
OCDF	0.446	1.57	112	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB17-SA5DN-SB-061411	1,2,3,4,6,7,8-HPCDD	JB	6.79	10.3	PQL	pg/L	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	1.28	10.3	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JBQ	0.293	10.3	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	2.43	10.3	PQL	pg/L	
	1,2,3,6,7,8-HxCDD	JBQ	0.775	10.3	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JB	1.74	10.3	PQL	pg/L	
	1,2,3,7,8,9-HxCDD	JBQ	0.464	10.3	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JB	1.18	10.3	PQL	pg/L	
	1,2,3,7,8-PECDF	JB	0.376	10.3	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JB	3.47	10.3	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	1.37	10.3	PQL	pg/L	
	2,3,7,8-TCDF	JQ	0.212	2.05	PQL	pg/L	
	OCDD	JB	13.1	20.5	PQL	pg/L	
	OCDF	JB	6.35	20.5	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP14-SA5DN-QC-061411	1,2,3,4,6,7,8-HPCDF	JB	1.34	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.139	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.150	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.402	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.449	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.304	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.410	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.394	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.278	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.789	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.342	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.716	5.72	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0727	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.198	1.14	PQL	ng/Kg	
	OCDF	JB	1.57	11.4	PQL	ng/Kg	
SL-032-SA5DN-SB-10.0-11.0	1,2,3,4,6,7,8-HPCDD	JB	0.495	5.42	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.118	5.42	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0966	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0507	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0643	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.117	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0700	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.124	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.104	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0772	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0847	5.42	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0776	5.42	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.132	5.42	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0699	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0269	1.08	PQL	ng/Kg	
	OCDD	JB	0.938	10.8	PQL	ng/Kg	
	OCDF	JB	0.273	10.8	PQL	ng/Kg	

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:13:45 PM

ADR version 1.4.0.111

Page 1 of 7

Reporting Limit Outliers

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-032-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.500	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.106	5.51	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0694	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.135	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.137	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.123	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.163	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.137	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.112	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.244	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.244	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0947	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.250	5.51	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0541	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0930	1.10	PQL	ng/Kg	
	OCDD	JB	1.52	11.0	PQL	ng/Kg	
	OCDF	JBQ	0.161	11.0	PQL	ng/Kg	
SL-033-SA5DN-SB-11.0-12.0	1,2,3,4,6,7,8-HPCDD	JB	0.871	5.55	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.248	5.55	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.260	5.55	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.136	5.55	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.165	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.204	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.129	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.182	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.245	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.115	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.102	5.55	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.138	5.55	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.142	5.55	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0318	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0313	1.11	PQL	ng/Kg	
	OCDD	JB	3.84	11.1	PQL	ng/Kg	
	OCDF	JB	0.875	11.1	PQL	ng/Kg	
SL-033-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.80	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.170	5.62	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0887	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0715	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.264	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0548	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.300	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.259	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0797	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0447	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.121	5.62	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0244	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0326	1.12	PQL	ng/Kg	
	OCDF	JB	0.446	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-035-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.433	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0852	5.72	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0479	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0444	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0296	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0413	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0457	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0587	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0714	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0133	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0334	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0631	5.72	PQL	ng/Kg	
	OCDD	JB	1.91	11.4	PQL	ng/Kg	
	OCDF	JB	0.243	11.4	PQL	ng/Kg	
SL-035-SA5DN-SB-9.5-10.5	1,2,3,4,6,7,8-HPCDD	JB	0.581	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.584	5.53	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0895	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0313	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.108	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0605	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0805	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0778	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0740	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0241	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0423	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.172	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0868	5.53	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0188	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0180	1.11	PQL	ng/Kg	
	OCDD	JB	1.18	11.1	PQL	ng/Kg	
	OCDF	JBQ	0.489	11.1	PQL	ng/Kg	
SL-044-SA5DN-SB-12.0-13.0	1,2,3,4,6,7,8-HPCDD	JB	1.02	5.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.600	5.52	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0976	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.109	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.232	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.138	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.192	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.157	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.113	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.166	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.316	5.52	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.229	5.52	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.242	5.52	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0564	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0421	1.10	PQL	ng/Kg	
	OCDD	JB	3.77	11.0	PQL	ng/Kg	
	OCDF	JBQ	0.552	11.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-044-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.60	5.69	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.611	5.69	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0999	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0454	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.132	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.240	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.131	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.283	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.382	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0619	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.268	5.69	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.174	5.69	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.185	5.69	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0327	1.14	PQL	ng/Kg	
	OCDD	JB	11.2	11.4	PQL	ng/Kg	
	OCDF	JB	0.657	11.4	PQL	ng/Kg	
SL-047-SA5DN-SB-10.0-11.0	1,2,3,4,6,7,8-HPCDD	JB	1.18	5.27	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.125	5.27	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0460	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0324	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0313	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0732	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0290	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0783	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0544	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0203	5.27	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0368	5.27	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0497	5.27	PQL	ng/Kg	
	OCDF	JB	0.435	10.5	PQL	ng/Kg	
SL-047-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.02	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.192	5.61	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0595	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0676	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0497	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.145	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0433	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.166	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0918	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0379	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0429	5.61	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0540	5.61	PQL	ng/Kg	
	OCDF	JB	0.448	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-054-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.20	6.05	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.215	6.05	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0645	6.05	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0281	6.05	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0525	6.05	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.144	6.05	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0370	6.05	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.161	6.05	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.115	6.05	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0470	6.05	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0341	6.05	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0426	6.05	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0695	6.05	PQL	ng/Kg	
	OCDF	JB	0.754	12.1	PQL	ng/Kg	
SL-054-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.905	5.91	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0713	5.91	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0297	5.91	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0246	5.91	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0414	5.91	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0419	5.91	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0214	5.91	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0676	5.91	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0373	5.91	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0347	5.91	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0232	5.91	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0425	5.91	PQL	ng/Kg	
	OCDD	JB	7.71	11.8	PQL	ng/Kg	
	OCDF	JB	0.210	11.8	PQL	ng/Kg	
SL-057-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.766	5.74	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.569	5.74	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.203	5.74	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.108	5.74	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.188	5.74	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0983	5.74	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.146	5.74	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.159	5.74	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.186	5.74	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.121	5.74	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.120	5.74	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.190	5.74	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.152	5.74	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0276	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0446	1.15	PQL	ng/Kg	
	OCDD	JB	1.66	11.5	PQL	ng/Kg	
	OCDF	JB	0.753	11.5	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-057-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.729	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.542	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.121	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0607	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.119	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0539	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.116	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.131	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0896	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0606	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0633	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.194	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.116	5.66	PQL	ng/Kg	
	OCDD	JB	1.87	11.3	PQL	ng/Kg	
	OCDF	JB	0.467	11.3	PQL	ng/Kg	
SL-058-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.740	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.553	5.72	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.126	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.170	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0969	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0969	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0869	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0509	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.204	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.137	5.72	PQL	ng/Kg	
	OCDD	JB	2.25	11.4	PQL	ng/Kg	
	OCDF	JB	0.566	11.4	PQL	ng/Kg	
SL-058-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.874	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.591	5.72	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0952	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0274	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.146	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0788	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.108	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0853	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0769	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0314	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0629	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.176	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.103	5.72	PQL	ng/Kg	
	OCDD	JB	6.53	11.4	PQL	ng/Kg	
	OCDF	JB	0.522	11.4	PQL	ng/Kg	
SL-202-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.903	5.99	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0802	5.99	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0269	5.99	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0576	5.99	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0228	5.99	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.104	5.99	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0802	5.99	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0280	5.99	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0265	5.99	PQL	ng/Kg	
	OCDD	JB	8.40	12.0	PQL	ng/Kg	
	OCDF	JBQ	0.191	12.0	PQL	ng/Kg	

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/27/2011 3:13:46 PM

ADR version 1.4.0.111

Page 6 of 7

Reporting Limit Outliers

Lab Reporting Batch ID: DX102

Laboratory: LL

EDD Filename: DX102_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-202-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.755	5.77	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.136	5.77	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0805	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.127	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.174	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.129	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.155	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.156	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.119	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.225	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.244	5.77	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.115	5.77	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.229	5.77	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0626	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0527	1.15	PQL	ng/Kg	
	OCDD	JB	5.76	11.5	PQL	ng/Kg	
	OCDF	JB	0.251	11.5	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX103

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
15-June-2011	DUP15-SA5DN-QC-061511	6317002	FD	METHOD	1613B	III
15-June-2011	SL-029-SA5DN-SB-4.0-5.0	6316992	N	METHOD	1613B	III
15-June-2011	SL-030-SA5DN-SB-4.0-5.0	6316993	N	METHOD	1613B	III
15-June-2011	SL-030-SA5DN-SB-4.0-5.0MS	6316994	MS	METHOD	1613B	III
15-June-2011	SL-030-SA5DN-SB-4.0-5.0MSD	6316995	MSD	METHOD	1613B	III
15-June-2011	SL-031-SA5DN-SB-4.0-5.0	6316996	N	METHOD	1613B	III
15-June-2011	SL-034-SA5DN-SB-4.0-5.0	6316997	N	METHOD	1613B	III
15-June-2011	SL-055-SA5DN-SB-4.0-5.0	6316998	N	METHOD	1613B	III
15-June-2011	SL-055-SA5DN-SB-9.0-10.0	6316999	N	METHOD	1613B	III
15-June-2011	SL-020-SA5DN-SB-3.5-4.5	6316991	N	METHOD	1613B	III
15-June-2011	SL-056-SA5DN-SB-9.0-10.0	6317001	N	METHOD	1613B	III
15-June-2011	EB18-SA5DN-SB-061511	6317003	EB	METHOD	1613B	III
15-June-2011	SL-056-SA5DN-SB-4.0-5.0	6317000	N	METHOD	1613B	III
16-June-2011	SL-059-SA5DN-SB-4.0-5.0	6318890	N	METHOD	1613B	III
16-June-2011	SL-059-SA5DN-SB-9.0-10.0	6318891	N	METHOD	1613B	III
16-June-2011	SL-061-SA5DN-SB-4.0-5.0	6318892	N	METHOD	1613B	III
16-June-2011	SL-061-SA5DN-SB-9.0-10.0	6318893	N	METHOD	1613B	III
16-June-2011	SL-062-SA5DN-SB-4.0-5.0	6318894	N	METHOD	1613B	III
17-June-2011	SL-051-SA8N-SB-7.5-8.5	6320629	N	METHOD	1613B	III
20-June-2011	SL-117-SA5DN-SB-4.0-5.0	6322255	N	METHOD	1613B	III
20-June-2011	SL-093-SA5DN-SB-4.0-5.0	6322253	N	METHOD	1613B	III
20-June-2011	SL-093-SA5DN-SB-9.0-10.0	6322254	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	AQ

Sample ID: EB18-SA5DN-SB-061511

Collected: 6/15/2011 1:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	5.01	JBQ	0.329	MDL	10.1	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	2.86	JB	0.132	MDL	10.1	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.752	JBQ	0.165	MDL	10.1	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.227	JBQ	0.215	MDL	10.1	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.633	JB	0.162	MDL	10.1	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDD	0.620	JB	0.222	MDL	10.1	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.424	JBQ	0.154	MDL	10.1	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDD	0.691	JB	0.209	MDL	10.1	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.655	JBQ	0.171	MDL	10.1	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.392	JBQ	0.258	MDL	10.1	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.242	JBQ	0.155	MDL	10.1	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	1.13	JBQ	0.150	MDL	10.1	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.820	JBQ	0.146	MDL	10.1	PQL	pg/L	U	B
2,3,7,8-TCDF	0.436	JQ	0.243	MDL	2.02	PQL	pg/L	J	Z
OCDD	8.00	JB	0.291	MDL	20.2	PQL	pg/L	U	B
OCDF	1.94	JBQ	0.374	MDL	20.2	PQL	pg/L	U	B

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: DUP15-SA5DN-QC-061511

Collected: 6/15/2011 10:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.514	JB	0.0547	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.180	JB	0.0152	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0942	JBQ	0.0394	MDL	5.52	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.0336	U	0.0336	MDL	5.52	PQL	ng/Kg	UJ	FD
1,2,3,4,7,8-HXCDF	0.0724	JBQ	0.0247	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0436	JB	0.0323	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0645	JBQ	0.0195	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0481	JBQ	0.0322	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.111	J	0.0268	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0248	JBQ	0.0190	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.103	JB	0.0205	MDL	5.52	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 8:59:29 AM

ADR version 1.4.0.111

Page 1 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: DUP15-SA5DN-QC-061511			Collected: 6/15/2011 10:05:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,7,8-PECDF	0.0732	JB	0.0206	MDL	5.52	PQL	ng/Kg	U	B
OCDD	1.13	JB	0.0510	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.632	JBQ	0.0966	MDL	11.0	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-020-SA5DN-SB-3.5-4.5		Collected: 6/15/2011 10:45:00		Analysis Type: RES		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.525	JB	0.0399	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.183	JBQ	0.0132	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0437	JB	0.0246	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0443	JQ	0.0272	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0822	JBQ	0.0164	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0430	JBQ	0.0276	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0299	JBQ	0.0138	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0659	JBQ	0.0271	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0617	JQ	0.0189	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0555	JBQ	0.0270	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0370	JBQ	0.0132	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0761	JBQ	0.0148	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0766	JB	0.0138	MDL	5.47	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0328	JQ	0.0276	MDL	1.09	PQL	ng/Kg	J	Z
OCDD	2.12	JB	0.0297	MDL	10.9	PQL	ng/Kg	U	B
OCDF	0.253	JBQ	0.0403	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-029-SA5DN-SB-4.0-5.0		Collected: 6/15/2011 9:00:00		Analysis Type: RES		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.488	JBQ	0.0302	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.159	JB	0.00929	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0584	JBQ	0.0187	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0292	J	0.0219	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0532	JBQ	0.0138	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0406	JBQ	0.0212	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0359	JBQ	0.0114	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0466	JBQ	0.0220	MDL	5.42	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 8:59:29 AM

ADR version 1.4.0.111

Page 2 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-029-SA5DN-SB-4.0-5.0

Collected: 6/15/2011 9:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	0.0440	JQ	0.0180	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0181	JBQ	0.0108	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0735	JBQ	0.0134	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0727	JBQ	0.0112	MDL	5.42	PQL	ng/Kg	U	B
OCDD	1.43	JB	0.0277	MDL	10.8	PQL	ng/Kg	U	B
OCDF	0.253	JBQ	0.0356	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-030-SA5DN-SB-4.0-5.0

Collected: 6/15/2011 9:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.388	JB	0.0315	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.195	JBQ	0.00989	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0475	JBQ	0.0239	MDL	5.65	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.0294	JQ	0.0209	MDL	5.65	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HXCDF	0.0498	JBQ	0.0170	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0271	JBQ	0.0205	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0468	JBQ	0.0133	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0422	JBQ	0.0203	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0888	J	0.0207	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0186	JBQ	0.0121	MDL	5.65	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.132	JB	0.0141	MDL	5.65	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0653	JB	0.0133	MDL	5.65	PQL	ng/Kg	U	B
OCDD	0.985	JB	0.0262	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.255	JBQ	0.0447	MDL	11.3	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-031-SA5DN-SB-4.0-5.0

Collected: 6/15/2011 11:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.547	JB	0.0267	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.284	JB	0.0139	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.134	JB	0.0204	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0876	JQ	0.0200	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.148	JB	0.0298	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.113	JBQ	0.0201	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.148	JB	0.0214	MDL	5.65	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 8:59:29 AM

ADR version 1.4.0.111

Page 3 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-031-SA5DN-SB-4.0-5.0

Collected: 6/15/2011 11:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HxCDD	0.149	JB	0.0194	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.130	JQ	0.0195	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.106	JBQ	0.0265	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0591	JB	0.0112	MDL	5.65	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.166	JB	0.0139	MDL	5.65	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.159	JB	0.0126	MDL	5.65	PQL	ng/Kg	U	B
OCDD	2.80	JB	0.0205	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.536	JB	0.0351	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-034-SA5DN-SB-4.0-5.0

Collected: 6/15/2011 12:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPcDD	0.468	JB	0.0310	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPcDF	0.243	JB	0.00875	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPcDF	0.0713	JBQ	0.0192	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0324	JQ	0.0215	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.0690	JBQ	0.0165	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0442	JB	0.0219	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0489	JBQ	0.0140	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0781	JB	0.0209	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0472	JQ	0.0181	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8-PEcDD	0.0311	JBQ	0.0239	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PEcDF	0.0455	JBQ	0.0124	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.133	JBQ	0.0145	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,7,8-PEcDF	0.0751	JB	0.0130	MDL	5.52	PQL	ng/Kg	U	B
OCDD	1.21	JBQ	0.0267	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.311	JBQ	0.0430	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-051-SA8N-SB-7.5-8.5

Collected: 6/17/2011 9:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPcDF	4.15	JB	0.0220	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPcDF	0.404	JB	0.0416	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.170	JQ	0.0378	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.770	JB	0.0411	MDL	5.32	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 8:59:29 AM

ADR version 1.4.0.111

Page 4 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-051-SA8N-SB-7.5-8.5

Collected: 6/17/2011 9:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDD	1.14	JB	0.0391	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.441	JB	0.0326	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.812	JB	0.0378	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.718	JQ	0.0460	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.317	JB	0.0465	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.610	JB	0.0404	MDL	5.32	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.436	JB	0.0348	MDL	5.32	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.950	JB	0.0411	MDL	5.32	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0618	J	0.0279	MDL	1.06	PQL	ng/Kg	J	Z
OCDF	8.55	JB	0.0550	MDL	10.6	PQL	ng/Kg	J	Z

Sample ID: SL-055-SA5DN-SB-4.0-5.0

Collected: 6/15/2011 2:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.662	JB	0.0321	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.186	JB	0.00797	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0692	JBQ	0.0189	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0682	J	0.0220	MDL	5.82	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.145	JB	0.0188	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0871	JBQ	0.0227	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.110	JB	0.0143	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.121	JB	0.0223	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.120	J	0.0205	MDL	5.82	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.150	JB	0.0274	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.137	JB	0.0132	MDL	5.82	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.146	JB	0.0166	MDL	5.82	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.167	JBQ	0.0143	MDL	5.82	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0518	JQ	0.0250	MDL	1.16	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0407	JQ	0.0234	MDL	1.16	PQL	ng/Kg	J	Z
OCDD	4.66	JB	0.0268	MDL	11.6	PQL	ng/Kg	J	Z
OCDF	0.300	JB	0.0443	MDL	11.6	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 8:59:30 AM

ADR version 1.4.0.111

Page 5 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-055-SA5DN-SB-9.0-10.0

Collected: 6/15/2011 2:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.32	JB	0.0698	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.371	JB	0.0280	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.145	JB	0.0466	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.165	JQ	0.0537	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.261	JB	0.0337	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.252	JB	0.0534	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.208	JB	0.0295	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.244	JBQ	0.0559	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.173	J	0.0391	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.330	JB	0.0407	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.335	JB	0.0174	MDL	5.57	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.208	JBQ	0.0321	MDL	5.57	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.294	JBQ	0.0172	MDL	5.57	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0994	JQ	0.0281	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0549	JQ	0.0265	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	0.495	JB	0.0577	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-056-SA5DN-SB-4.0-5.0

Collected: 6/15/2011 3:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.614	JB	0.0449	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.275	JB	0.0147	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.137	JB	0.0322	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.157	JQ	0.0342	MDL	5.82	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.224	JBQ	0.0219	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.189	JB	0.0341	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.170	JB	0.0170	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.204	JB	0.0330	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.193	JQ	0.0251	MDL	5.82	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.373	JB	0.0343	MDL	5.82	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.340	JB	0.0134	MDL	5.82	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.222	JBQ	0.0194	MDL	5.82	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.311	JB	0.0135	MDL	5.82	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0908	J	0.0257	MDL	1.16	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 8:59:30 AM

ADR version 1.4.0.111

Page 6 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-056-SA5DN-SB-4.0-5.0

Collected: 6/15/2011 3:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDD	1.51	JB	0.0284	MDL	11.6	PQL	ng/Kg	U	B
OCDF	0.391	JB	0.0443	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-056-SA5DN-SB-9.0-10.0

Collected: 6/15/2011 3:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.673	JB	0.0412	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.211	JBQ	0.0128	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.113	JB	0.0336	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.102	JQ	0.0283	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.138	JBQ	0.0246	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.140	JBQ	0.0285	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.103	JB	0.0186	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.131	JB	0.0277	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.124	J	0.0271	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.186	JBQ	0.0287	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.234	JB	0.0125	MDL	5.66	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.190	JB	0.0195	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.202	JB	0.0145	MDL	5.66	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0380	JQ	0.0233	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0625	JQ	0.0240	MDL	1.13	PQL	ng/Kg	J	Z
OCDD	2.15	JB	0.0320	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.424	JBQ	0.0632	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-059-SA5DN-SB-4.0-5.0

Collected: 6/16/2011 8:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.541	JBQ	0.0351	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.159	JBQ	0.00889	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0436	JBQ	0.0292	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0575	JB	0.0186	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0800	JBQ	0.0210	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0357	JBQ	0.0132	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.114	JBQ	0.0201	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.162	JQ	0.0245	MDL	5.58	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 8:59:30 AM

ADR version 1.4.0.111

Page 7 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-059-SA5DN-SB-4.0-5.0		Collected: 6/16/2011 8:45:00		Analysis Type: RES		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDF	0.0687	JBQ	0.0130	MDL	5.58	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0998	JB	0.0150	MDL	5.58	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0683	JBQ	0.0147	MDL	5.58	PQL	ng/Kg	U	B
OCDD	1.73	JB	0.0263	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.415	JBQ	0.0739	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-059-SA5DN-SB-9.0-10.0		Collected: 6/16/2011 8:50:00		Analysis Type: RES		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.453	JB	0.0364	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.185	JBQ	0.00945	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0509	JBQ	0.0314	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0298	JQ	0.0268	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.0608	JBQ	0.0275	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0376	JBQ	0.0148	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0445	JBQ	0.0251	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0569	JQ	0.0257	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0239	JB	0.0126	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0977	JBQ	0.0158	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0822	JB	0.0161	MDL	5.68	PQL	ng/Kg	U	B
OCDD	1.65	JBQ	0.0305	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.514	JB	0.0803	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-061-SA5DN-SB-4.0-5.0		Collected: 6/16/2011 2:20:00		Analysis Type: RES		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.489	JB	0.0348	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.143	JB	0.00911	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0820	JBQ	0.0261	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0351	JBQ	0.0174	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.154	JBQ	0.0225	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0487	JB	0.0134	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.223	JBQ	0.0218	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.388	JQ	0.0209	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0556	JB	0.0326	MDL	5.72	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 8:59:30 AM

ADR version 1.4.0.111

Page 8 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-061-SA5DN-SB-4.0-5.0

Collected: 6/16/2011 2:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDF	0.0760	JBQ	0.0127	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.102	JBQ	0.0154	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0592	JB	0.0143	MDL	5.72	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0295	JQ	0.0242	MDL	1.14	PQL	ng/Kg	J	Z
OCDD	1.03	JB	0.0262	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.332	JBQ	0.0579	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-061-SA5DN-SB-9.0-10.0

Collected: 6/16/2011 2:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.478	JB	0.0340	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.208	JB	0.0126	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0444	JBQ	0.0219	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0538	J	0.0253	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0897	JBQ	0.0190	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0654	JBQ	0.0254	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0882	JBQ	0.0150	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.109	JBQ	0.0258	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0810	J	0.0180	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.121	JB	0.0293	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.109	JBQ	0.0132	MDL	5.65	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.140	JBQ	0.0145	MDL	5.65	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.129	JBQ	0.0138	MDL	5.65	PQL	ng/Kg	U	B
OCDD	1.02	JB	0.0281	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.272	JB	0.0404	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-062-SA5DN-SB-4.0-5.0

Collected: 6/16/2011 2:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.24	JB	0.0392	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.278	JB	0.0144	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0848	JB	0.0223	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0906	J	0.0315	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0986	JBQ	0.0223	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.175	JB	0.0310	MDL	5.87	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 8:59:30 AM

ADR version 1.4.0.111

Page 9 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-062-SA5DN-SB-4.0-5.0

Collected: 6/16/2011 2:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDF	0.109	JBQ	0.0186	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.164	JBQ	0.0299	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.176	JQ	0.0194	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.167	JBQ	0.0309	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.162	JB	0.0144	MDL	5.87	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.134	JB	0.0160	MDL	5.87	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.178	JBQ	0.0153	MDL	5.87	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0749	JQ	0.0296	MDL	1.17	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0274	JQ	0.0258	MDL	1.17	PQL	ng/Kg	J	Z
OCDF	0.461	JBQ	0.0488	MDL	11.7	PQL	ng/Kg	U	B

Sample ID: SL-093-SA5DN-SB-4.0-5.0

Collected: 6/20/2011 12:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.762	JB	0.0781	MDL	5.88	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.246	JB	0.0249	MDL	5.88	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.239	JBQ	0.0864	MDL	5.88	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.141	JQ	0.0583	MDL	5.88	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.162	JB	0.0432	MDL	5.88	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.210	JB	0.0560	MDL	5.88	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.122	JBQ	0.0313	MDL	5.88	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.242	JBQ	0.0541	MDL	5.88	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.269	JQ	0.0609	MDL	5.88	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.161	JBQ	0.0481	MDL	5.88	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.173	JBQ	0.0185	MDL	5.88	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.203	JBQ	0.0347	MDL	5.88	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.153	JBQ	0.0204	MDL	5.88	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0488	JQ	0.0341	MDL	1.18	PQL	ng/Kg	J	Z
OCDD	3.91	JB	0.0546	MDL	11.8	PQL	ng/Kg	U	B
OCDF	0.859	JB	0.121	MDL	11.8	PQL	ng/Kg	U	B

Sample ID: SL-093-SA5DN-SB-9.0-10.0

Collected: 6/20/2011 12:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.554	JBQ	0.0504	MDL	5.52	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 8:59:30 AM

ADR version 1.4.0.111

Page 10 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-093-SA5DN-SB-9.0-10.0

Collected: 6/20/2011 12:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.204	JBQ	0.0169	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.166	JBQ	0.0625	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0708	JBQ	0.0263	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0721	JBQ	0.0359	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0589	JBQ	0.0180	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0990	JBQ	0.0356	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.132	J	0.0403	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0277	JBQ	0.0123	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.112	JBQ	0.0218	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0916	JBQ	0.0147	MDL	5.52	PQL	ng/Kg	U	B
OCDD	1.95	JB	0.0410	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.471	JB	0.0995	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-117-SA5DN-SB-4.0-5.0

Collected: 6/20/2011 2:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.889	JB	0.0448	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.186	JB	0.0144	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.104	JBQ	0.0360	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0487	JQ	0.0283	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0507	JBQ	0.0249	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0945	JB	0.0282	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0422	JBQ	0.0187	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.102	JBQ	0.0276	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.172	JQ	0.0251	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0416	JBQ	0.0117	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.143	JBQ	0.0180	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0885	JBQ	0.0132	MDL	5.47	PQL	ng/Kg	U	B
OCDD	7.88	JB	0.0337	MDL	10.9	PQL	ng/Kg	J	Z
OCDF	0.476	JB	0.0649	MDL	10.9	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 8:59:30 AM

ADR version 1.4.0.111

Page 11 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*#	Professional Judgment
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Laboratory Triplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 8:59:30 AM

ADR version 1.4.0.111

Page 12 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Laboratory Triplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 8:59:30 AM

ADR version 1.4.0.111

Page 13 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Q	Matrix Spike Upper Rejection
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 8:59:30 AM

ADR version 1.4.0.111

Page 14 of 14

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX103

Method Blank Outlier Report

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B				
Matrix: AQ				
Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1860B370312	7/8/2011 3:12:00 AM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD OCDD OCDF	5.77 pg/L 3.35 pg/L 1.08 pg/L 0.514 pg/L 0.682 pg/L 0.924 pg/L 0.769 pg/L 0.771 pg/L 1.09 pg/L 0.288 pg/L 0.586 pg/L 1.21 pg/L 1.01 pg/L 0.502 pg/L 11.0 pg/L 3.55 pg/L	EB18-SA5DN-SB-061511

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
EB18-SA5DN-SB-061511(RES)	1,2,3,4,6,7,8-HPCDD	5.01 pg/L	5.01U pg/L
EB18-SA5DN-SB-061511(RES)	1,2,3,4,6,7,8-HPCDF	2.86 pg/L	2.86U pg/L
EB18-SA5DN-SB-061511(RES)	1,2,3,4,7,8,9-HPCDF	0.752 pg/L	0.752U pg/L
EB18-SA5DN-SB-061511(RES)	1,2,3,4,7,8-HxCDD	0.227 pg/L	0.227U pg/L
EB18-SA5DN-SB-061511(RES)	1,2,3,4,7,8-HxCDF	0.633 pg/L	0.633U pg/L
EB18-SA5DN-SB-061511(RES)	1,2,3,6,7,8-HxCDD	0.620 pg/L	0.620U pg/L
EB18-SA5DN-SB-061511(RES)	1,2,3,6,7,8-HxCDF	0.424 pg/L	0.424U pg/L
EB18-SA5DN-SB-061511(RES)	1,2,3,7,8,9-HxCDD	0.691 pg/L	0.691U pg/L
EB18-SA5DN-SB-061511(RES)	1,2,3,7,8,9-HxCDF	0.655 pg/L	0.655U pg/L
EB18-SA5DN-SB-061511(RES)	1,2,3,7,8-PECDD	0.392 pg/L	0.392U pg/L
EB18-SA5DN-SB-061511(RES)	1,2,3,7,8-PECDF	0.242 pg/L	0.242U pg/L
EB18-SA5DN-SB-061511(RES)	2,3,4,6,7,8-HxCDF	1.13 pg/L	1.13U pg/L
EB18-SA5DN-SB-061511(RES)	2,3,4,7,8-PECDF	0.820 pg/L	0.820U pg/L
EB18-SA5DN-SB-061511(RES)	OCDD	8.00 pg/L	8.00U pg/L
EB18-SA5DN-SB-061511(RES)	OCDF	1.94 pg/L	1.94U pg/L

Method Blank Outlier Report

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1810B371937	7/1/2011 7:37:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HXCDF 1,2,3,6,7,8-HXCDD 1,2,3,6,7,8-HXCDF 1,2,3,7,8,9-HXCDD 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HXCDF 2,3,4,7,8-PECDF OCDD OCDF	0.484 ng/Kg 0.258 ng/Kg 0.0706 ng/Kg 0.0787 ng/Kg 0.0594 ng/Kg 0.0742 ng/Kg 0.0586 ng/Kg 0.0530 ng/Kg 0.0247 ng/Kg 0.140 ng/Kg 0.0736 ng/Kg 0.797 ng/Kg 0.395 ng/Kg	DUP15-SA5DN-QC-061511 SL-020-SA5DN-SB-3.5-4.5 SL-029-SA5DN-SB-4.0-5.0 SL-030-SA5DN-SB-4.0-5.0 SL-031-SA5DN-SB-4.0-5.0 SL-034-SA5DN-SB-4.0-5.0 SL-051-SA8N-SB-7.5-8.5 SL-055-SA5DN-SB-4.0-5.0 SL-055-SA5DN-SB-9.0-10.0 SL-056-SA5DN-SB-4.0-5.0 SL-056-SA5DN-SB-9.0-10.0 SL-059-SA5DN-SB-4.0-5.0 SL-059-SA5DN-SB-9.0-10.0 SL-061-SA5DN-SB-4.0-5.0 SL-061-SA5DN-SB-9.0-10.0 SL-062-SA5DN-SB-4.0-5.0 SL-093-SA5DN-SB-4.0-5.0 SL-093-SA5DN-SB-9.0-10.0 SL-117-SA5DN-SB-4.0-5.0

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP15-SA5DN-QC-061511(RES)	1,2,3,4,6,7,8-HPCDD	0.514 ng/Kg	0.514U ng/Kg
DUP15-SA5DN-QC-061511(RES)	1,2,3,4,6,7,8-HPCDF	0.180 ng/Kg	0.180U ng/Kg
DUP15-SA5DN-QC-061511(RES)	1,2,3,4,7,8,9-HPCDF	0.0942 ng/Kg	0.0942U ng/Kg
DUP15-SA5DN-QC-061511(RES)	1,2,3,4,7,8-HXCDF	0.0724 ng/Kg	0.0724U ng/Kg
DUP15-SA5DN-QC-061511(RES)	1,2,3,6,7,8-HXCDD	0.0436 ng/Kg	0.0436U ng/Kg
DUP15-SA5DN-QC-061511(RES)	1,2,3,6,7,8-HXCDF	0.0645 ng/Kg	0.0645U ng/Kg
DUP15-SA5DN-QC-061511(RES)	1,2,3,7,8,9-HXCDD	0.0481 ng/Kg	0.0481U ng/Kg
DUP15-SA5DN-QC-061511(RES)	1,2,3,7,8-PECDF	0.0248 ng/Kg	0.0248U ng/Kg
DUP15-SA5DN-QC-061511(RES)	2,3,4,6,7,8-HXCDF	0.103 ng/Kg	0.103U ng/Kg
DUP15-SA5DN-QC-061511(RES)	2,3,4,7,8-PECDF	0.0732 ng/Kg	0.0732U ng/Kg
DUP15-SA5DN-QC-061511(RES)	OCDD	1.13 ng/Kg	1.13U ng/Kg
DUP15-SA5DN-QC-061511(RES)	OCDF	0.632 ng/Kg	0.632U ng/Kg
SL-020-SA5DN-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDD	0.525 ng/Kg	0.525U ng/Kg
SL-020-SA5DN-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDF	0.183 ng/Kg	0.183U ng/Kg
SL-020-SA5DN-SB-3.5-4.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0437 ng/Kg	0.0437U ng/Kg
SL-020-SA5DN-SB-3.5-4.5(RES)	1,2,3,4,7,8-HXCDF	0.0822 ng/Kg	0.0822U ng/Kg
SL-020-SA5DN-SB-3.5-4.5(RES)	1,2,3,6,7,8-HXCDD	0.0430 ng/Kg	0.0430U ng/Kg
SL-020-SA5DN-SB-3.5-4.5(RES)	1,2,3,6,7,8-HXCDF	0.0299 ng/Kg	0.0299U ng/Kg
SL-020-SA5DN-SB-3.5-4.5(RES)	1,2,3,7,8,9-HXCDD	0.0659 ng/Kg	0.0659U ng/Kg
SL-020-SA5DN-SB-3.5-4.5(RES)	1,2,3,7,8-PECDD	0.0555 ng/Kg	0.0555U ng/Kg
SL-020-SA5DN-SB-3.5-4.5(RES)	1,2,3,7,8-PECDF	0.0370 ng/Kg	0.0370U ng/Kg
SL-020-SA5DN-SB-3.5-4.5(RES)	2,3,4,6,7,8-HXCDF	0.0761 ng/Kg	0.0761U ng/Kg
SL-020-SA5DN-SB-3.5-4.5(RES)	2,3,4,7,8-PECDF	0.0766 ng/Kg	0.0766U ng/Kg
SL-020-SA5DN-SB-3.5-4.5(RES)	OCDD	2.12 ng/Kg	2.12U ng/Kg
SL-020-SA5DN-SB-3.5-4.5(RES)	OCDF	0.253 ng/Kg	0.253U ng/Kg
SL-029-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.488 ng/Kg	0.488U ng/Kg
SL-029-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.159 ng/Kg	0.159U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 8:58:37 AM

ADR version 1.4.0.111

Page 2 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-029-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0584 ng/Kg	0.0584U ng/Kg
SL-029-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0532 ng/Kg	0.0532U ng/Kg
SL-029-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0406 ng/Kg	0.0406U ng/Kg
SL-029-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0359 ng/Kg	0.0359U ng/Kg
SL-029-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0466 ng/Kg	0.0466U ng/Kg
SL-029-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0181 ng/Kg	0.0181U ng/Kg
SL-029-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0735 ng/Kg	0.0735U ng/Kg
SL-029-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0727 ng/Kg	0.0727U ng/Kg
SL-029-SA5DN-SB-4.0-5.0(RES)	OCDD	1.43 ng/Kg	1.43U ng/Kg
SL-029-SA5DN-SB-4.0-5.0(RES)	OCDF	0.253 ng/Kg	0.253U ng/Kg
SL-030-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.388 ng/Kg	0.388U ng/Kg
SL-030-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.195 ng/Kg	0.195U ng/Kg
SL-030-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0475 ng/Kg	0.0475U ng/Kg
SL-030-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0498 ng/Kg	0.0498U ng/Kg
SL-030-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0271 ng/Kg	0.0271U ng/Kg
SL-030-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0468 ng/Kg	0.0468U ng/Kg
SL-030-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0422 ng/Kg	0.0422U ng/Kg
SL-030-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0186 ng/Kg	0.0186U ng/Kg
SL-030-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.132 ng/Kg	0.132U ng/Kg
SL-030-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0653 ng/Kg	0.0653U ng/Kg
SL-030-SA5DN-SB-4.0-5.0(RES)	OCDD	0.985 ng/Kg	0.985U ng/Kg
SL-030-SA5DN-SB-4.0-5.0(RES)	OCDF	0.255 ng/Kg	0.255U ng/Kg
SL-031-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.547 ng/Kg	0.547U ng/Kg
SL-031-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.284 ng/Kg	0.284U ng/Kg
SL-031-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.134 ng/Kg	0.134U ng/Kg
SL-031-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.148 ng/Kg	0.148U ng/Kg
SL-031-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.113 ng/Kg	0.113U ng/Kg
SL-031-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.148 ng/Kg	0.148U ng/Kg
SL-031-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.149 ng/Kg	0.149U ng/Kg
SL-031-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.106 ng/Kg	0.106U ng/Kg
SL-031-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0591 ng/Kg	0.0591U ng/Kg
SL-031-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.166 ng/Kg	0.166U ng/Kg
SL-031-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.159 ng/Kg	0.159U ng/Kg
SL-031-SA5DN-SB-4.0-5.0(RES)	OCDD	2.80 ng/Kg	2.80U ng/Kg
SL-031-SA5DN-SB-4.0-5.0(RES)	OCDF	0.536 ng/Kg	0.536U ng/Kg
SL-034-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.468 ng/Kg	0.468U ng/Kg
SL-034-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.243 ng/Kg	0.243U ng/Kg
SL-034-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0713 ng/Kg	0.0713U ng/Kg
SL-034-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0690 ng/Kg	0.0690U ng/Kg
SL-034-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0442 ng/Kg	0.0442U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 8:58:37 AM

ADR version 1.4.0.111

Page 3 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-034-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0489 ng/Kg	0.0489U ng/Kg
SL-034-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0781 ng/Kg	0.0781U ng/Kg
SL-034-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0311 ng/Kg	0.0311U ng/Kg
SL-034-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0455 ng/Kg	0.0455U ng/Kg
SL-034-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.133 ng/Kg	0.133U ng/Kg
SL-034-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0751 ng/Kg	0.0751U ng/Kg
SL-034-SA5DN-SB-4.0-5.0(RES)	OCDD	1.21 ng/Kg	1.21U ng/Kg
SL-034-SA5DN-SB-4.0-5.0(RES)	OCDF	0.311 ng/Kg	0.311U ng/Kg
SL-051-SA8N-SB-7.5-8.5(RES)	2,3,4,6,7,8-HXCDF	0.436 ng/Kg	0.436U ng/Kg
SL-055-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.662 ng/Kg	0.662U ng/Kg
SL-055-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.186 ng/Kg	0.186U ng/Kg
SL-055-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0692 ng/Kg	0.0692U ng/Kg
SL-055-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.145 ng/Kg	0.145U ng/Kg
SL-055-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0871 ng/Kg	0.0871U ng/Kg
SL-055-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.110 ng/Kg	0.110U ng/Kg
SL-055-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.121 ng/Kg	0.121U ng/Kg
SL-055-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.150 ng/Kg	0.150U ng/Kg
SL-055-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.146 ng/Kg	0.146U ng/Kg
SL-055-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.167 ng/Kg	0.167U ng/Kg
SL-055-SA5DN-SB-4.0-5.0(RES)	OCDF	0.300 ng/Kg	0.300U ng/Kg
SL-055-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	1.32 ng/Kg	1.32U ng/Kg
SL-055-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.371 ng/Kg	0.371U ng/Kg
SL-055-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.145 ng/Kg	0.145U ng/Kg
SL-055-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.261 ng/Kg	0.261U ng/Kg
SL-055-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.252 ng/Kg	0.252U ng/Kg
SL-055-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.208 ng/Kg	0.208U ng/Kg
SL-055-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.244 ng/Kg	0.244U ng/Kg
SL-055-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.208 ng/Kg	0.208U ng/Kg
SL-055-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.294 ng/Kg	0.294U ng/Kg
SL-055-SA5DN-SB-9.0-10.0(RES)	OCDF	0.495 ng/Kg	0.495U ng/Kg
SL-056-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.614 ng/Kg	0.614U ng/Kg
SL-056-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.275 ng/Kg	0.275U ng/Kg
SL-056-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.137 ng/Kg	0.137U ng/Kg
SL-056-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.224 ng/Kg	0.224U ng/Kg
SL-056-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.189 ng/Kg	0.189U ng/Kg
SL-056-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.170 ng/Kg	0.170U ng/Kg
SL-056-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.204 ng/Kg	0.204U ng/Kg
SL-056-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.222 ng/Kg	0.222U ng/Kg
SL-056-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.311 ng/Kg	0.311U ng/Kg
SL-056-SA5DN-SB-4.0-5.0(RES)	OCDD	1.51 ng/Kg	1.51U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 8:58:37 AM

ADR version 1.4.0.111

Page 4 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-056-SA5DN-SB-4.0-5.0(RES)	OCDF	0.391 ng/Kg	0.391U ng/Kg
SL-056-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.673 ng/Kg	0.673U ng/Kg
SL-056-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.211 ng/Kg	0.211U ng/Kg
SL-056-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.113 ng/Kg	0.113U ng/Kg
SL-056-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.138 ng/Kg	0.138U ng/Kg
SL-056-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.140 ng/Kg	0.140U ng/Kg
SL-056-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.103 ng/Kg	0.103U ng/Kg
SL-056-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.131 ng/Kg	0.131U ng/Kg
SL-056-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.186 ng/Kg	0.186U ng/Kg
SL-056-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.190 ng/Kg	0.190U ng/Kg
SL-056-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.202 ng/Kg	0.202U ng/Kg
SL-056-SA5DN-SB-9.0-10.0(RES)	OCDD	2.15 ng/Kg	2.15U ng/Kg
SL-056-SA5DN-SB-9.0-10.0(RES)	OCDF	0.424 ng/Kg	0.424U ng/Kg
SL-059-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.541 ng/Kg	0.541U ng/Kg
SL-059-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.159 ng/Kg	0.159U ng/Kg
SL-059-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0436 ng/Kg	0.0436U ng/Kg
SL-059-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0575 ng/Kg	0.0575U ng/Kg
SL-059-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0800 ng/Kg	0.0800U ng/Kg
SL-059-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0357 ng/Kg	0.0357U ng/Kg
SL-059-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.114 ng/Kg	0.114U ng/Kg
SL-059-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0687 ng/Kg	0.0687U ng/Kg
SL-059-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0998 ng/Kg	0.0998U ng/Kg
SL-059-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0683 ng/Kg	0.0683U ng/Kg
SL-059-SA5DN-SB-4.0-5.0(RES)	OCDD	1.73 ng/Kg	1.73U ng/Kg
SL-059-SA5DN-SB-4.0-5.0(RES)	OCDF	0.415 ng/Kg	0.415U ng/Kg
SL-059-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.453 ng/Kg	0.453U ng/Kg
SL-059-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.185 ng/Kg	0.185U ng/Kg
SL-059-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0509 ng/Kg	0.0509U ng/Kg
SL-059-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0608 ng/Kg	0.0608U ng/Kg
SL-059-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0376 ng/Kg	0.0376U ng/Kg
SL-059-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0445 ng/Kg	0.0445U ng/Kg
SL-059-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0239 ng/Kg	0.0239U ng/Kg
SL-059-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0977 ng/Kg	0.0977U ng/Kg
SL-059-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0822 ng/Kg	0.0822U ng/Kg
SL-059-SA5DN-SB-9.0-10.0(RES)	OCDD	1.65 ng/Kg	1.65U ng/Kg
SL-059-SA5DN-SB-9.0-10.0(RES)	OCDF	0.514 ng/Kg	0.514U ng/Kg
SL-061-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.489 ng/Kg	0.489U ng/Kg
SL-061-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.143 ng/Kg	0.143U ng/Kg
SL-061-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0820 ng/Kg	0.0820U ng/Kg
SL-061-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0351 ng/Kg	0.0351U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 8:58:37 AM

ADR version 1.4.0.111

Page 5 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-061-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.154 ng/Kg	0.154U ng/Kg
SL-061-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0487 ng/Kg	0.0487U ng/Kg
SL-061-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.223 ng/Kg	0.223U ng/Kg
SL-061-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0556 ng/Kg	0.0556U ng/Kg
SL-061-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0760 ng/Kg	0.0760U ng/Kg
SL-061-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.102 ng/Kg	0.102U ng/Kg
SL-061-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0592 ng/Kg	0.0592U ng/Kg
SL-061-SA5DN-SB-4.0-5.0(RES)	OCDD	1.03 ng/Kg	1.03U ng/Kg
SL-061-SA5DN-SB-4.0-5.0(RES)	OCDF	0.332 ng/Kg	0.332U ng/Kg
SL-061-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.478 ng/Kg	0.478U ng/Kg
SL-061-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.208 ng/Kg	0.208U ng/Kg
SL-061-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0444 ng/Kg	0.0444U ng/Kg
SL-061-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0897 ng/Kg	0.0897U ng/Kg
SL-061-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0654 ng/Kg	0.0654U ng/Kg
SL-061-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0882 ng/Kg	0.0882U ng/Kg
SL-061-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.109 ng/Kg	0.109U ng/Kg
SL-061-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.121 ng/Kg	0.121U ng/Kg
SL-061-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.109 ng/Kg	0.109U ng/Kg
SL-061-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.140 ng/Kg	0.140U ng/Kg
SL-061-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.129 ng/Kg	0.129U ng/Kg
SL-061-SA5DN-SB-9.0-10.0(RES)	OCDD	1.02 ng/Kg	1.02U ng/Kg
SL-061-SA5DN-SB-9.0-10.0(RES)	OCDF	0.272 ng/Kg	0.272U ng/Kg
SL-062-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.24 ng/Kg	1.24U ng/Kg
SL-062-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.278 ng/Kg	0.278U ng/Kg
SL-062-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0848 ng/Kg	0.0848U ng/Kg
SL-062-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0986 ng/Kg	0.0986U ng/Kg
SL-062-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.175 ng/Kg	0.175U ng/Kg
SL-062-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.109 ng/Kg	0.109U ng/Kg
SL-062-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.164 ng/Kg	0.164U ng/Kg
SL-062-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.167 ng/Kg	0.167U ng/Kg
SL-062-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.134 ng/Kg	0.134U ng/Kg
SL-062-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.178 ng/Kg	0.178U ng/Kg
SL-062-SA5DN-SB-4.0-5.0(RES)	OCDF	0.461 ng/Kg	0.461U ng/Kg
SL-093-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.762 ng/Kg	0.762U ng/Kg
SL-093-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.246 ng/Kg	0.246U ng/Kg
SL-093-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.239 ng/Kg	0.239U ng/Kg
SL-093-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.162 ng/Kg	0.162U ng/Kg
SL-093-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.210 ng/Kg	0.210U ng/Kg
SL-093-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.122 ng/Kg	0.122U ng/Kg
SL-093-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.242 ng/Kg	0.242U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 8:58:37 AM

ADR version 1.4.0.111

Page 6 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-093-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.161 ng/Kg	0.161U ng/Kg
SL-093-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.203 ng/Kg	0.203U ng/Kg
SL-093-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.153 ng/Kg	0.153U ng/Kg
SL-093-SA5DN-SB-4.0-5.0(RES)	OCDD	3.91 ng/Kg	3.91U ng/Kg
SL-093-SA5DN-SB-4.0-5.0(RES)	OCDF	0.859 ng/Kg	0.859U ng/Kg
SL-093-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.554 ng/Kg	0.554U ng/Kg
SL-093-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.204 ng/Kg	0.204U ng/Kg
SL-093-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.166 ng/Kg	0.166U ng/Kg
SL-093-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0708 ng/Kg	0.0708U ng/Kg
SL-093-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0721 ng/Kg	0.0721U ng/Kg
SL-093-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0589 ng/Kg	0.0589U ng/Kg
SL-093-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0990 ng/Kg	0.0990U ng/Kg
SL-093-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0277 ng/Kg	0.0277U ng/Kg
SL-093-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.112 ng/Kg	0.112U ng/Kg
SL-093-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0916 ng/Kg	0.0916U ng/Kg
SL-093-SA5DN-SB-9.0-10.0(RES)	OCDD	1.95 ng/Kg	1.95U ng/Kg
SL-093-SA5DN-SB-9.0-10.0(RES)	OCDF	0.471 ng/Kg	0.471U ng/Kg
SL-117-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.889 ng/Kg	0.889U ng/Kg
SL-117-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.186 ng/Kg	0.186U ng/Kg
SL-117-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.104 ng/Kg	0.104U ng/Kg
SL-117-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0507 ng/Kg	0.0507U ng/Kg
SL-117-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0945 ng/Kg	0.0945U ng/Kg
SL-117-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0422 ng/Kg	0.0422U ng/Kg
SL-117-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.102 ng/Kg	0.102U ng/Kg
SL-117-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0416 ng/Kg	0.0416U ng/Kg
SL-117-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.143 ng/Kg	0.143U ng/Kg
SL-117-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0885 ng/Kg	0.0885U ng/Kg
SL-117-SA5DN-SB-4.0-5.0(RES)	OCDF	0.476 ng/Kg	0.476U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 8:58:38 AM

ADR version 1.4.0.111

Page 7 of 7

Field Duplicate RPD Report

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-030-SA5DN-SB-4.0-5.0	DUP15-SA5DN-QC-061511			
MOISTURE	13.0	12.1	7		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-030-SA5DN-SB-4.0-5.0	DUP15-SA5DN-QC-061511			
1,2,3,4,6,7,8-HPCDD	0.388	0.514	28	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	0.195	0.180	8	50.00	
1,2,3,4,7,8-HXCDF	0.0498	0.0724	37	50.00	
1,2,3,6,7,8-HXCDD	0.0271	0.0436	47	50.00	
1,2,3,6,7,8-HXCDF	0.0468	0.0645	32	50.00	
1,2,3,7,8,9-HXCDD	0.0422	0.0481	13	50.00	
1,2,3,7,8,9-HXCDF	0.0888	0.111	22	50.00	
1,2,3,7,8-PECDF	0.0186	0.0248	29	50.00	
2,3,4,6,7,8-HXCDF	0.132	0.103	25	50.00	
2,3,4,7,8-PECDF	0.0653	0.0732	11	50.00	
OCDD	0.985	1.13	14	50.00	
1,2,3,4,7,8,9-HPCDF	0.0475	0.0942	66	50.00	J(all detects) UJ(all non-detects)
1,2,3,4,7,8-HxCDD	0.0294	5.52 U	200	50.00	
OCDF	0.255	0.632	85	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB18-SA5DN-SB-061511	1,2,3,4,6,7,8-HPCDD	JBQ	5.01	10.1	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	2.86	10.1	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.752	10.1	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JBQ	0.227	10.1	PQL	pg/L	
	1,2,3,4,7,8-HxCDF	JB	0.633	10.1	PQL	pg/L	
	1,2,3,6,7,8-HxCDD	JB	0.620	10.1	PQL	pg/L	
	1,2,3,6,7,8-HxCDF	JBQ	0.424	10.1	PQL	pg/L	
	1,2,3,7,8,9-HxCDD	JB	0.691	10.1	PQL	pg/L	
	1,2,3,7,8,9-HxCDF	JBQ	0.655	10.1	PQL	pg/L	
	1,2,3,7,8-PECDD	JBQ	0.392	10.1	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.242	10.1	PQL	pg/L	
	2,3,4,6,7,8-HxCDF	JBQ	1.13	10.1	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.820	10.1	PQL	pg/L	
	2,3,7,8-TCDF	JQ	0.436	2.02	PQL	pg/L	
	OCDD	JB	8.00	20.2	PQL	pg/L	
	OCDF	JBQ	1.94	20.2	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP15-SA5DN-QC-061511	1,2,3,4,6,7,8-HPCDD	JB	0.514	5.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.180	5.52	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0942	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0724	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0436	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0645	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0481	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.111	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0248	5.52	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.103	5.52	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0732	5.52	PQL	ng/Kg	
	OCDD	JB	1.13	11.0	PQL	ng/Kg	
	OCDF	JBQ	0.632	11.0	PQL	ng/Kg	
SL-020-SA5DN-SB-3.5-4.5	1,2,3,4,6,7,8-HPCDD	JB	0.525	5.47	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.183	5.47	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0437	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0443	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0822	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0430	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0299	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0659	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JQ	0.0617	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0555	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0370	5.47	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0761	5.47	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0766	5.47	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0328	1.09	PQL	ng/Kg	
	OCDD	JB	2.12	10.9	PQL	ng/Kg	
	OCDF	JBQ	0.253	10.9	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-029-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.488	5.42	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.159	5.42	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0584	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0292	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0532	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0406	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0359	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0466	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.0440	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0181	5.42	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0735	5.42	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0727	5.42	PQL	ng/Kg	
	OCDD	JB	1.43	10.8	PQL	ng/Kg	
	OCDF	JBQ	0.253	10.8	PQL	ng/Kg	
SL-030-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.388	5.65	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.195	5.65	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0475	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0294	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0498	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0271	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0468	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0422	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.0888	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0186	5.65	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.132	5.65	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0653	5.65	PQL	ng/Kg	
	OCDD	JB	0.985	11.3	PQL	ng/Kg	
	OCDF	JBQ	0.255	11.3	PQL	ng/Kg	
SL-031-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.547	5.65	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.284	5.65	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.134	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0876	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.148	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.113	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.148	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.149	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.130	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.106	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0591	5.65	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.166	5.65	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.159	5.65	PQL	ng/Kg	
	OCDD	JB	2.80	11.3	PQL	ng/Kg	
	OCDF	JB	0.536	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-034-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.468	5.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.243	5.52	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0713	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0324	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0690	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0442	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0489	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0781	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.0472	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0311	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0455	5.52	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.133	5.52	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0751	5.52	PQL	ng/Kg	
	OCDD	JBQ	1.21	11.0	PQL	ng/Kg	
	OCDF	JBQ	0.311	11.0	PQL	ng/Kg	
SL-051-SA8N-SB-7.5-8.5	1,2,3,4,6,7,8-HPCDF	JB	4.15	5.32	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.404	5.32	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.170	5.32	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.770	5.32	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.14	5.32	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.441	5.32	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.812	5.32	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.718	5.32	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.317	5.32	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.610	5.32	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.436	5.32	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.950	5.32	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0618	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.463	1.06	PQL	ng/Kg	
	OCDF	JB	8.55	10.6	PQL	ng/Kg	
SL-055-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.662	5.82	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.186	5.82	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0692	5.82	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0682	5.82	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.145	5.82	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0871	5.82	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.110	5.82	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.121	5.82	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.120	5.82	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.150	5.82	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.137	5.82	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.146	5.82	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.167	5.82	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0518	1.16	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0407	1.16	PQL	ng/Kg	
	OCDD	JB	4.66	11.6	PQL	ng/Kg	
	OCDF	JB	0.300	11.6	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-055-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	1.32	5.57	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.371	5.57	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.145	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.165	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.261	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.252	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.208	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.244	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.173	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.330	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.335	5.57	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.208	5.57	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.294	5.57	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0994	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0549	1.11	PQL	ng/Kg	
	OCDF	JB	0.495	11.1	PQL	ng/Kg	
SL-056-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.614	5.82	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.275	5.82	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.137	5.82	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.157	5.82	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.224	5.82	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.189	5.82	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.170	5.82	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.204	5.82	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JQ	0.193	5.82	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.373	5.82	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.340	5.82	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.222	5.82	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.311	5.82	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0908	1.16	PQL	ng/Kg	
	OCDD	JB	1.51	11.6	PQL	ng/Kg	
	OCDF	JB	0.391	11.6	PQL	ng/Kg	
SL-056-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.673	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.211	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.113	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.102	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.138	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.140	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.103	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.131	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.124	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.186	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.234	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.190	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.202	5.66	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0380	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0625	1.13	PQL	ng/Kg	
	OCDD	JB	2.15	11.3	PQL	ng/Kg	
	OCDF	JBQ	0.424	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-059-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.541	5.58	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.159	5.58	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0436	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0575	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0800	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0357	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.114	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.162	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0687	5.58	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0998	5.58	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0683	5.58	PQL	ng/Kg	
	OCDD	JB	1.73	11.2	PQL	ng/Kg	
	OCDF	JBQ	0.415	11.2	PQL	ng/Kg	
SL-059-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.453	5.68	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.185	5.68	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0509	5.68	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0298	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0608	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0376	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0445	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.0569	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0239	5.68	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0977	5.68	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0822	5.68	PQL	ng/Kg	
	OCDD	JBQ	1.65	11.4	PQL	ng/Kg	
	OCDF	JB	0.514	11.4	PQL	ng/Kg	
SL-061-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.489	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.143	5.72	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0820	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0351	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.154	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0487	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.223	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.388	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0556	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0760	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.102	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0592	5.72	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0295	1.14	PQL	ng/Kg	
	OCDD	JB	1.03	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.332	11.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-061-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.478	5.65	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.208	5.65	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0444	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0538	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0897	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0654	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0882	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.109	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.0810	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.121	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.109	5.65	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.140	5.65	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.129	5.65	PQL	ng/Kg	
	OCDD	JB	1.02	11.3	PQL	ng/Kg	
	OCDF	JB	0.272	11.3	PQL	ng/Kg	
SL-062-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.24	5.87	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.278	5.87	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0848	5.87	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0906	5.87	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0986	5.87	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.175	5.87	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.109	5.87	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.164	5.87	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JQ	0.176	5.87	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.167	5.87	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.162	5.87	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.134	5.87	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.178	5.87	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0749	1.17	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0274	1.17	PQL	ng/Kg	
	OCDF	JBQ	0.461	11.7	PQL	ng/Kg	
SL-093-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.762	5.88	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.246	5.88	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.239	5.88	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.141	5.88	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.162	5.88	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.210	5.88	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.122	5.88	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.242	5.88	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JQ	0.269	5.88	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.161	5.88	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.173	5.88	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.203	5.88	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.153	5.88	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0488	1.18	PQL	ng/Kg	
	OCDD	JB	3.91	11.8	PQL	ng/Kg	
	OCDF	JB	0.859	11.8	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX103

Laboratory: LL

EDD Filename: DX103_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-093-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.554	5.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.204	5.52	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.166	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0708	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0721	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0589	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0990	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.132	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0277	5.52	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.112	5.52	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0916	5.52	PQL	ng/Kg	
	OCDD	JB	1.95	11.0	PQL	ng/Kg	
	OCDF	JB	0.471	11.0	PQL	ng/Kg	
SL-117-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.889	5.47	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.186	5.47	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.104	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0487	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0507	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.0945	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0422	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.102	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.172	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0416	5.47	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.143	5.47	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0885	5.47	PQL	ng/Kg	
	OCDD	JB	7.88	10.9	PQL	ng/Kg	
	OCDF	JB	0.476	10.9	PQL	ng/Kg	

Q Y N N/A

Comments:

SAMPLE DELIVERY GROUP

DX104

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
20-June-2011	SL-119-SA5DN-SB-4.0-5.0	6322257	N	METHOD	1613B	III
20-June-2011	SL-118-SA5DN-SB-4.0-5.0	6322256	N	METHOD	1613B	III
21-June-2011	SL-125-SA5DN-SB-4.0-5.0	6323498	N	METHOD	1613B	III
21-June-2011	SL-097-SA5DN-SB-4.0-5.0	6323489	N	METHOD	1613B	III
21-June-2011	SL-097-SA5DN-SB-8.5-9.5	6323490	N	METHOD	1613B	III
21-June-2011	SL-098-SA5DN-SB-4.0-5.0	6323491	N	METHOD	1613B	III
21-June-2011	SL-098-SA5DN-SB-7.0-8.0	6323492	N	METHOD	1613B	III
21-June-2011	SL-099-SA5DN-SB-4.0-5.0	6323493	N	METHOD	1613B	III
21-June-2011	SL-113-SA5DN-SB-4.0-5.0	6323494	N	METHOD	1613B	III
21-June-2011	SL-120-SA5DN-SB-4.0-5.0	6323495	N	METHOD	1613B	III
21-June-2011	SL-121-SA5DN-SB-8.0-9.0	6323497	N	METHOD	1613B	III
21-June-2011	SL-125-SA5DN-SB-9.0-10.0	6323499	N	METHOD	1613B	III
21-June-2011	SL-121-SA5DN-SB-4.0-5.0	6323496	N	METHOD	1613B	III
22-June-2011	SL-114-SA5DN-SB-4.0-5.0	6325717	N	METHOD	1613B	III
22-June-2011	SL-094-SA5DN-SB-4.0-5.0	6325709	N	METHOD	1613B	III
22-June-2011	SL-094-SA5DN-SB-9.0-10.0	6325710	N	METHOD	1613B	III
22-June-2011	SL-095-SA5DN-SB-4.0-5.0	6325711	N	METHOD	1613B	III
22-June-2011	SL-095-SA5DN-SB-9.0-10.0	6325712	N	METHOD	1613B	III
22-June-2011	SL-111-SA5DN-SB-4.0-5.0	6325713	N	METHOD	1613B	III
22-June-2011	SL-112-SA5DN-SB-4.0-5.0	6325714	N	METHOD	1613B	III
22-June-2011	SL-112-SA5DN-SB-4.0-5.0MS	6325715	MS	METHOD	1613B	III
22-June-2011	SL-112-SA5DN-SB-4.0-5.0MSD	6325716	MSD	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-094-SA5DN-SB-4.0-5.0

Collected: 6/22/2011 9:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCCD	0.724	JB	0.0201	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.234	JB	0.00729	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0657	JBQ	0.0148	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0530	JB	0.0141	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0918	JB	0.0134	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0613	JBQ	0.0142	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0736	JB	0.0112	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0786	JB	0.0134	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.117	J	0.0153	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0717	JBQ	0.0113	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0941	JB	0.00683	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.120	JB	0.0128	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0999	JB	0.00706	MDL	5.79	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0324	JBQ	0.0118	MDL	1.16	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0173	JBQ	0.0112	MDL	1.16	PQL	ng/Kg	U	B
OCDD	2.46	JB	0.0157	MDL	11.6	PQL	ng/Kg	U	B
OCDF	0.275	JB	0.0213	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-094-SA5DN-SB-9.0-10.0

Collected: 6/22/2011 9:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCCD	0.563	JB	0.0198	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.244	JB	0.00799	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0665	JBQ	0.0157	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0544	JB	0.0135	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.118	JBQ	0.0132	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0894	JBQ	0.0142	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0934	JB	0.0108	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0828	JB	0.0138	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.111	JQ	0.0152	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.120	JBQ	0.0120	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.140	JB	0.00671	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.130	JB	0.0120	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.154	JB	0.00706	MDL	5.75	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:07:04 AM

ADR version 1.4.0.111

Page 1 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-094-SA5DN-SB-9.0-10.0		Collected: 6/22/2011 9:35:00		Analysis Type: RES		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDD	0.0244	JBQ	0.0120	MDL	1.15	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0304	JB	0.0108	MDL	1.15	PQL	ng/Kg	U	B
OCDD	2.05	JB	0.0127	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.284	JB	0.0216	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-095-SA5DN-SB-4.0-5.0		Collected: 6/22/2011 10:10:00		Analysis Type: RES		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.38	JB	0.0336	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.356	JB	0.0141	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.144	JB	0.0245	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0475	JB	0.0217	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.108	JB	0.0178	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.168	JB	0.0223	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0850	JB	0.0158	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.227	JB	0.0213	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.363	J	0.0230	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0708	JB	0.0115	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.140	JB	0.00666	MDL	5.58	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.124	JB	0.0173	MDL	5.58	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.138	JBQ	0.00677	MDL	5.58	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0405	JB	0.0102	MDL	1.12	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0344	JBQ	0.0124	MDL	1.12	PQL	ng/Kg	U	B
OCDF	0.680	JB	0.0239	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-095-SA5DN-SB-9.0-10.0		Collected: 6/22/2011 10:15:00		Analysis Type: RES		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.892	JB	0.0269	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.228	JB	0.00915	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0811	JBQ	0.0210	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0232	JB	0.0144	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0576	JB	0.0123	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0546	JBQ	0.0148	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0404	JB	0.00971	MDL	5.45	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:07:05 AM

ADR version 1.4.0.111

Page 2 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-095-SA5DN-SB-9.0-10.0 Collected: 6/22/2011 10:15:00 Analysis Type: RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDD	0.0578	JBQ	0.0142	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0983	JQ	0.0143	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0475	JB	0.0115	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0555	JB	0.00525	MDL	5.45	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0874	JB	0.0115	MDL	5.45	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0916	JB	0.00580	MDL	5.45	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0260	JBQ	0.0110	MDL	1.09	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0255	JBQ	0.0107	MDL	1.09	PQL	ng/Kg	U	B
OCDD	7.45	JB	0.0176	MDL	10.9	PQL	ng/Kg	J	Z
OCDF	0.411	JBQ	0.0324	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-097-SA5DN-SB-4.0-5.0 Collected: 6/21/2011 11:55:00 Analysis Type: RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.955	JB	0.0251	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.267	JB	0.00961	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0549	JB	0.0145	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0163	JBQ	0.0118	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0592	JBQ	0.00985	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0570	JBQ	0.0123	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0526	JBQ	0.00868	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0602	JB	0.0116	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0635	J	0.0106	MDL	5.86	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0171	JB	0.00973	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0231	JBQ	0.00563	MDL	5.86	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0799	JBQ	0.00961	MDL	5.86	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0812	JB	0.00528	MDL	5.86	PQL	ng/Kg	U	B
OCDD	9.03	JB	0.0206	MDL	11.7	PQL	ng/Kg	J	Z
OCDF	0.330	JB	0.0204	MDL	11.7	PQL	ng/Kg	U	B

Sample ID: SL-097-SA5DN-SB-8.5-9.5 Collected: 6/21/2011 12:05:00 Analysis Type: RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.452	JB	0.0190	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.135	JB	0.00819	MDL	5.61	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:07:05 AM

ADR version 1.4.0.111

Page 3 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-097-SA5DN-SB-8.5-9.5

Collected: 6/21/2011 12:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.0397	JBQ	0.0145	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0151	JBQ	0.0109	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0326	JBQ	0.00864	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0310	JBQ	0.0116	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0182	JB	0.00741	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0327	JB	0.0113	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0552	JBQ	0.00797	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,7,8-PCDF	0.0465	JB	0.00550	MDL	5.61	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0139	JBQ	0.0113	MDL	1.12	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0107	JBQ	0.00943	MDL	1.12	PQL	ng/Kg	U	B
OCDD	1.20	JB	0.0176	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.174	JB	0.0195	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-098-SA5DN-SB-4.0-5.0

Collected: 6/21/2011 11:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	3.13	JB	0.0195	MDL	5.84	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.244	JB	0.0243	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.258	JB	0.0375	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.574	JB	0.0319	MDL	5.84	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.921	JB	0.0386	MDL	5.84	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.218	JB	0.0297	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.680	JB	0.0375	MDL	5.84	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.283	J	0.0318	MDL	5.84	PQL	ng/Kg	J	Z
1,2,3,7,8-PCDD	0.168	JBQ	0.0172	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,7,8-PCDF	0.374	JB	0.0320	MDL	5.84	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.251	JB	0.0306	MDL	5.84	PQL	ng/Kg	U	B
2,3,4,7,8-PCDF	0.628	JB	0.0296	MDL	5.84	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0432	JBQ	0.0106	MDL	1.17	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.303	JB	0.0523	MDL	1.17	PQL	ng/Kg	J	Z
OCDF	11.1	JB	0.0201	MDL	11.7	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:07:05 AM

ADR version 1.4.0.111

Page 4 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-098-SA5DN-SB-7.0-8.0

Collected: 6/21/2011 11:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.60	JB	0.0321	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.347	JB	0.0132	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.145	JB	0.0193	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.101	JB	0.0206	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.158	JB	0.0174	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.148	JB	0.0208	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.136	JBQ	0.0149	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.153	JBQ	0.0205	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.189	J	0.0192	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.167	JBQ	0.0117	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.188	JB	0.00667	MDL	5.70	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.168	JB	0.0151	MDL	5.70	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.200	JB	0.00656	MDL	5.70	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0819	JBQ	0.0109	MDL	1.14	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0491	JBQ	0.00890	MDL	1.14	PQL	ng/Kg	U	B
OCDF	0.785	JB	0.0235	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-099-SA5DN-SB-4.0-5.0

Collected: 6/21/2011 2:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.32	JB	0.0330	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.552	JB	0.0154	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.178	JB	0.0269	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.157	JB	0.0227	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.222	JB	0.0214	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.233	JB	0.0240	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.202	JBQ	0.0187	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.208	JB	0.0222	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.250	J	0.0242	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.253	JBQ	0.0139	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.266	JB	0.00800	MDL	5.61	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.214	JB	0.0206	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.273	JB	0.00822	MDL	5.61	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0848	JB	0.0120	MDL	1.12	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:07:05 AM

ADR version 1.4.0.111

Page 5 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-099-SA5DN-SB-4.0-5.0

Collected: 6/21/2011 2:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	1.42	JB	0.0284	MDL	11.2	PQL	ng/Kg	J	Z

Sample ID: SL-111-SA5DN-SB-4.0-5.0

Collected: 6/22/2011 3:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.872	JB	0.0287	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.220	JB	0.00831	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0592	JB	0.0189	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0491	JBQ	0.0124	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0442	JBQ	0.0141	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0347	JB	0.0100	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0704	JB	0.0129	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.105	J	0.0146	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0301	JB	0.00569	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0906	JBQ	0.0117	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0635	JBQ	0.00569	MDL	5.68	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0138	JB	0.0110	MDL	1.14	PQL	ng/Kg	U	B
OCDD	8.66	JB	0.0199	MDL	11.4	PQL	ng/Kg	J	Z
OCDF	0.456	JB	0.0292	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-112-SA5DN-SB-4.0-5.0

Collected: 6/22/2011 11:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.755	JB	0.0291	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.240	JBQ	0.00912	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0564	JBQ	0.0207	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0167	JBQ	0.0144	MDL	5.80	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HXCDF	0.0575	JB	0.0145	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0630	JBQ	0.0152	MDL	5.80	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HXCDF	0.0492	JB	0.0116	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.111	JB	0.0144	MDL	5.80	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDF	0.209	JQ	0.0171	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0183	JBQ	0.0127	MDL	5.80	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.0408	JBQ	0.00667	MDL	5.80	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HXCDF	0.108	JB	0.0135	MDL	5.80	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:07:05 AM

ADR version 1.4.0.111

Page 6 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-112-SA5DN-SB-4.0-5.0

Collected: 6/22/2011 11:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,7,8-PECDF	0.0690	JB	0.00725	MDL	5.80	PQL	ng/Kg	U	B
OCDD	5.04	JB	0.0214	MDL	11.6	PQL	ng/Kg	J	Z
OCDF	0.320	JB	0.0305	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-113-SA5DN-SB-4.0-5.0

Collected: 6/21/2011 3:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.885	JB	0.0217	MDL	5.88	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.282	JB	0.00989	MDL	5.88	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0943	JB	0.0166	MDL	5.88	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0489	JB	0.0135	MDL	5.88	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.108	JB	0.0133	MDL	5.88	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0631	JB	0.0143	MDL	5.88	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.102	JB	0.0116	MDL	5.88	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0849	JB	0.0133	MDL	5.88	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.122	J	0.0147	MDL	5.88	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.109	JB	0.0122	MDL	5.88	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.149	JB	0.00727	MDL	5.88	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.150	JB	0.0125	MDL	5.88	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.156	JB	0.00715	MDL	5.88	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0531	JBQ	0.0106	MDL	1.18	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0577	JBQ	0.0101	MDL	1.18	PQL	ng/Kg	U	B
OCDD	3.60	JB	0.0180	MDL	11.8	PQL	ng/Kg	U	B
OCDF	0.338	JBQ	0.0203	MDL	11.8	PQL	ng/Kg	U	B

Sample ID: SL-114-SA5DN-SB-4.0-5.0

Collected: 6/22/2011 2:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.675	JB	0.0196	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.192	JBQ	0.00732	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.143	JBQ	0.0176	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0699	JBQ	0.0148	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.112	JB	0.0168	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.128	JBQ	0.0150	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0961	JBQ	0.0134	MDL	5.43	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:07:05 AM

ADR version 1.4.0.111

Page 7 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-114-SA5DN-SB-4.0-5.0

Collected: 6/22/2011 2:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDD	0.234	JB	0.0141	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.420	J	0.0206	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0576	JBQ	0.0126	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.133	JB	0.00687	MDL	5.43	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.144	JB	0.0154	MDL	5.43	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.124	JBQ	0.00709	MDL	5.43	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0185	JBQ	0.0115	MDL	1.09	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0379	JBQ	0.0116	MDL	1.09	PQL	ng/Kg	U	B
OCDD	2.74	JB	0.0166	MDL	10.9	PQL	ng/Kg	U	B
OCDF	0.476	JBQ	0.0288	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-118-SA5DN-SB-4.0-5.0

Collected: 6/20/2011 3:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.832	JB	0.0334	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.185	JB	0.0132	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0449	JBQ	0.0213	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0172	JBQ	0.0161	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0507	JB	0.0111	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0388	JBQ	0.0169	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0415	JB	0.00976	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0823	JB	0.0162	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0560	JQ	0.0109	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0164	JB	0.0125	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0290	JBQ	0.00643	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0658	JBQ	0.00998	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0668	JBQ	0.00643	MDL	5.49	PQL	ng/Kg	U	B
OCDD	5.11	JB	0.0282	MDL	11.0	PQL	ng/Kg	J	Z
OCDF	0.275	JB	0.0373	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-119-SA5DN-SB-4.0-5.0

Collected: 6/20/2011 3:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.30	JB	0.0297	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.307	JB	0.0120	MDL	5.70	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:07:05 AM

ADR version 1.4.0.111

Page 8 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-119-SA5DN-SB-4.0-5.0

Collected: 6/20/2011 3:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.0594	JB	0.0183	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0282	JB	0.0140	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0514	JB	0.0118	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0806	JB	0.0148	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0485	JB	0.0107	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.102	JB	0.0139	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0745	JQ	0.0126	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0155	JBQ	0.0106	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0131	JB	0.00608	MDL	5.70	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0774	JB	0.0115	MDL	5.70	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0651	JB	0.00608	MDL	5.70	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0115	JB	0.0112	MDL	1.14	PQL	ng/Kg	U	B
OCDF	0.542	JB	0.0292	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-120-SA5DN-SB-4.0-5.0

Collected: 6/21/2011 8:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.73	JB	0.0251	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.289	JB	0.0100	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0660	JBQ	0.0198	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0244	JBQ	0.0145	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0599	JBQ	0.0121	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0816	JBQ	0.0150	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0328	JB	0.00958	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0933	JBQ	0.0149	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0940	J	0.0130	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0392	JBQ	0.0120	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0556	JB	0.00665	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0864	JBQ	0.0104	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.103	JB	0.00710	MDL	5.62	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0226	JB	0.0120	MDL	1.12	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0254	JB	0.0124	MDL	1.12	PQL	ng/Kg	U	B
OCDF	0.589	JB	0.0236	MDL	11.2	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:07:05 AM

ADR version 1.4.0.111

Page 9 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-121-SA5DN-SB-4.0-5.0

Collected: 6/21/2011 9:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.33	JB	0.0220	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.259	JB	0.0109	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0453	JB	0.0184	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0189	JBQ	0.0144	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0377	JB	0.0140	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.103	JB	0.0151	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0337	JBQ	0.0126	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.140	JB	0.0147	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.184	J	0.0148	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0280	JBQ	0.0128	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0533	JB	0.00656	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0882	JB	0.0133	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0593	JBQ	0.00644	MDL	5.53	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0244	JBQ	0.0123	MDL	1.11	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0143	JBQ	0.0109	MDL	1.11	PQL	ng/Kg	U	B
OCDF	0.478	JB	0.0221	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-121-SA5DN-SB-8.0-9.0

Collected: 6/21/2011 9:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.49	JB	0.0227	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.384	JB	0.00914	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0713	JBQ	0.0172	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0255	JBQ	0.0148	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0570	JBQ	0.0130	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0898	JBQ	0.0152	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0386	JBQ	0.0107	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0685	JB	0.0141	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0493	J	0.0154	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0248	JBQ	0.00956	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0468	JBQ	0.00627	MDL	5.27	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0859	JB	0.0123	MDL	5.27	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0826	JB	0.00659	MDL	5.27	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0211	JB	0.0103	MDL	1.05	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:07:05 AM

ADR version 1.4.0.111

Page 10 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-121-SA5DN-SB-8.0-9.0

Collected: 6/21/2011 9:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDF	0.0146	JBQ	0.0135	MDL	1.05	PQL	ng/Kg	U	B
OCDF	0.899	JB	0.0185	MDL	10.5	PQL	ng/Kg	U	B

Sample ID: SL-125-SA5DN-SB-4.0-5.0

Collected: 6/21/2011 10:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.49	JB	0.0218	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.602	JB	0.0104	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0811	JBQ	0.0213	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0255	JB	0.0124	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0783	JB	0.0168	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0850	JBQ	0.0127	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0490	JB	0.0136	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0606	JB	0.0124	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0720	JQ	0.0187	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0149	JBQ	0.00905	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.135	JB	0.0148	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0690	JBQ	0.00607	MDL	5.48	PQL	ng/Kg	U	B
OCDF	1.86	JB	0.0206	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SL-125-SA5DN-SB-9.0-10.0

Collected: 6/21/2011 10:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.550	JB	0.0167	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.245	JB	0.00650	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0548	JBQ	0.0116	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.00861	JBQ	0.00842	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0485	JBQ	0.00917	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0288	JBQ	0.00885	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0429	JB	0.00768	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0350	JB	0.00810	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0511	JQ	0.0102	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0186	JBQ	0.00896	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0179	JB	0.00469	MDL	5.19	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0977	JBQ	0.00885	MDL	5.19	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:07:06 AM

ADR version 1.4.0.111

Page 11 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-125-SA5DN-SB-9.0-10.0

Collected: 6/21/2011 10:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,7,8-PECDF	0.0682	JBQ	0.00458	MDL	5.19	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0158	JB	0.00842	MDL	1.04	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0111	JBQ	0.00800	MDL	1.04	PQL	ng/Kg	U	B
OCDD	2.97	JB	0.0131	MDL	10.4	PQL	ng/Kg	U	B
OCDF	0.264	JB	0.0147	MDL	10.4	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:07:06 AM

ADR version 1.4.0.111

Page 12 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*#	Professional Judgment
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Laboratory Triplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:07:06 AM

ADR version 1.4.0.111

Page 13 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Laboratory Triplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:07:06 AM

ADR version 1.4.0.111

Page 14 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Q	Matrix Spike Upper Rejection
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:07:06 AM

ADR version 1.4.0.111

Page 15 of 15

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX104

Method Blank Outlier Report

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B Matrix: SO				
Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1860B371611	7/7/2011 4:11:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD 2,3,7,8-TCDF OCDD OCDF	0.466 ng/Kg 0.243 ng/Kg 0.148 ng/Kg 0.0657 ng/Kg 0.0870 ng/Kg 0.0933 ng/Kg 0.0562 ng/Kg 0.104 ng/Kg 0.0431 ng/Kg 0.0402 ng/Kg 0.104 ng/Kg 0.0783 ng/Kg 0.0195 ng/Kg 0.0194 ng/Kg 0.902 ng/Kg 0.280 ng/Kg	SL-094-SA5DN-SB-4.0-5.0 SL-094-SA5DN-SB-9.0-10.0 SL-095-SA5DN-SB-4.0-5.0 SL-095-SA5DN-SB-9.0-10.0 SL-097-SA5DN-SB-4.0-5.0 SL-097-SA5DN-SB-8.5-9.5 SL-098-SA5DN-SB-4.0-5.0 SL-098-SA5DN-SB-7.0-8.0 SL-099-SA5DN-SB-4.0-5.0 SL-111-SA5DN-SB-4.0-5.0 SL-112-SA5DN-SB-4.0-5.0 SL-113-SA5DN-SB-4.0-5.0 SL-114-SA5DN-SB-4.0-5.0 SL-118-SA5DN-SB-4.0-5.0 SL-119-SA5DN-SB-4.0-5.0 SL-120-SA5DN-SB-4.0-5.0 SL-121-SA5DN-SB-4.0-5.0 SL-121-SA5DN-SB-8.0-9.0 SL-125-SA5DN-SB-4.0-5.0 SL-125-SA5DN-SB-9.0-10.0

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-094-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.724 ng/Kg	0.724U ng/Kg
SL-094-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.234 ng/Kg	0.234U ng/Kg
SL-094-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0657 ng/Kg	0.0657U ng/Kg
SL-094-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0530 ng/Kg	0.0530U ng/Kg
SL-094-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0918 ng/Kg	0.0918U ng/Kg
SL-094-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0613 ng/Kg	0.0613U ng/Kg
SL-094-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0736 ng/Kg	0.0736U ng/Kg
SL-094-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0786 ng/Kg	0.0786U ng/Kg
SL-094-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0717 ng/Kg	0.0717U ng/Kg
SL-094-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0941 ng/Kg	0.0941U ng/Kg
SL-094-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.120 ng/Kg	0.120U ng/Kg
SL-094-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0999 ng/Kg	0.0999U ng/Kg
SL-094-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0324 ng/Kg	0.0324U ng/Kg
SL-094-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0173 ng/Kg	0.0173U ng/Kg
SL-094-SA5DN-SB-4.0-5.0(RES)	OCDD	2.46 ng/Kg	2.46U ng/Kg
SL-094-SA5DN-SB-4.0-5.0(RES)	OCDF	0.275 ng/Kg	0.275U ng/Kg
SL-094-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.563 ng/Kg	0.563U ng/Kg
SL-094-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.244 ng/Kg	0.244U ng/Kg
SL-094-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0665 ng/Kg	0.0665U ng/Kg
SL-094-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0544 ng/Kg	0.0544U ng/Kg
SL-094-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.118 ng/Kg	0.118U ng/Kg
SL-094-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.0894 ng/Kg	0.0894U ng/Kg
SL-094-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0934 ng/Kg	0.0934U ng/Kg
SL-094-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.0828 ng/Kg	0.0828U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:06:36 AM

ADR version 1.4.0.111

Page 1 of 8

Method Blank Outlier Report

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-094-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.120 ng/Kg	0.120U ng/Kg
SL-094-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.140 ng/Kg	0.140U ng/Kg
SL-094-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.130 ng/Kg	0.130U ng/Kg
SL-094-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.154 ng/Kg	0.154U ng/Kg
SL-094-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0244 ng/Kg	0.0244U ng/Kg
SL-094-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0304 ng/Kg	0.0304U ng/Kg
SL-094-SA5DN-SB-9.0-10.0(RES)	OCDD	2.05 ng/Kg	2.05U ng/Kg
SL-094-SA5DN-SB-9.0-10.0(RES)	OCDF	0.284 ng/Kg	0.284U ng/Kg
SL-095-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.38 ng/Kg	1.38U ng/Kg
SL-095-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.356 ng/Kg	0.356U ng/Kg
SL-095-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.144 ng/Kg	0.144U ng/Kg
SL-095-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0475 ng/Kg	0.0475U ng/Kg
SL-095-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.108 ng/Kg	0.108U ng/Kg
SL-095-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.168 ng/Kg	0.168U ng/Kg
SL-095-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0850 ng/Kg	0.0850U ng/Kg
SL-095-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.227 ng/Kg	0.227U ng/Kg
SL-095-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0708 ng/Kg	0.0708U ng/Kg
SL-095-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.140 ng/Kg	0.140U ng/Kg
SL-095-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.124 ng/Kg	0.124U ng/Kg
SL-095-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.138 ng/Kg	0.138U ng/Kg
SL-095-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0405 ng/Kg	0.0405U ng/Kg
SL-095-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0344 ng/Kg	0.0344U ng/Kg
SL-095-SA5DN-SB-4.0-5.0(RES)	OCDF	0.680 ng/Kg	0.680U ng/Kg
SL-095-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.892 ng/Kg	0.892U ng/Kg
SL-095-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.228 ng/Kg	0.228U ng/Kg
SL-095-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0811 ng/Kg	0.0811U ng/Kg
SL-095-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0232 ng/Kg	0.0232U ng/Kg
SL-095-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0576 ng/Kg	0.0576U ng/Kg
SL-095-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0546 ng/Kg	0.0546U ng/Kg
SL-095-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0404 ng/Kg	0.0404U ng/Kg
SL-095-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0578 ng/Kg	0.0578U ng/Kg
SL-095-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0475 ng/Kg	0.0475U ng/Kg
SL-095-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0555 ng/Kg	0.0555U ng/Kg
SL-095-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0874 ng/Kg	0.0874U ng/Kg
SL-095-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0916 ng/Kg	0.0916U ng/Kg
SL-095-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0260 ng/Kg	0.0260U ng/Kg
SL-095-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0255 ng/Kg	0.0255U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:06:36 AM

ADR version 1.4.0.111

Page 2 of 8

Method Blank Outlier Report

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-095-SA5DN-SB-9.0-10.0(RES)	OCDF	0.411 ng/Kg	0.411U ng/Kg
SL-097-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.955 ng/Kg	0.955U ng/Kg
SL-097-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.267 ng/Kg	0.267U ng/Kg
SL-097-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0549 ng/Kg	0.0549U ng/Kg
SL-097-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0163 ng/Kg	0.0163U ng/Kg
SL-097-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0592 ng/Kg	0.0592U ng/Kg
SL-097-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0570 ng/Kg	0.0570U ng/Kg
SL-097-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0526 ng/Kg	0.0526U ng/Kg
SL-097-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0602 ng/Kg	0.0602U ng/Kg
SL-097-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0171 ng/Kg	0.0171U ng/Kg
SL-097-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0231 ng/Kg	0.0231U ng/Kg
SL-097-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0799 ng/Kg	0.0799U ng/Kg
SL-097-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0812 ng/Kg	0.0812U ng/Kg
SL-097-SA5DN-SB-4.0-5.0(RES)	OCDF	0.330 ng/Kg	0.330U ng/Kg
SL-097-SA5DN-SB-8.5-9.5(RES)	1,2,3,4,6,7,8-HPCDD	0.452 ng/Kg	0.452U ng/Kg
SL-097-SA5DN-SB-8.5-9.5(RES)	1,2,3,4,6,7,8-HPCDF	0.135 ng/Kg	0.135U ng/Kg
SL-097-SA5DN-SB-8.5-9.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0397 ng/Kg	0.0397U ng/Kg
SL-097-SA5DN-SB-8.5-9.5(RES)	1,2,3,4,7,8-HxCDD	0.0151 ng/Kg	0.0151U ng/Kg
SL-097-SA5DN-SB-8.5-9.5(RES)	1,2,3,4,7,8-HXCDF	0.0326 ng/Kg	0.0326U ng/Kg
SL-097-SA5DN-SB-8.5-9.5(RES)	1,2,3,6,7,8-HXCDD	0.0310 ng/Kg	0.0310U ng/Kg
SL-097-SA5DN-SB-8.5-9.5(RES)	1,2,3,6,7,8-HXCDF	0.0182 ng/Kg	0.0182U ng/Kg
SL-097-SA5DN-SB-8.5-9.5(RES)	1,2,3,7,8,9-HXCDD	0.0327 ng/Kg	0.0327U ng/Kg
SL-097-SA5DN-SB-8.5-9.5(RES)	2,3,4,6,7,8-HXCDF	0.0552 ng/Kg	0.0552U ng/Kg
SL-097-SA5DN-SB-8.5-9.5(RES)	2,3,4,7,8-PECDF	0.0465 ng/Kg	0.0465U ng/Kg
SL-097-SA5DN-SB-8.5-9.5(RES)	2,3,7,8-TCDD	0.0139 ng/Kg	0.0139U ng/Kg
SL-097-SA5DN-SB-8.5-9.5(RES)	2,3,7,8-TCDF	0.0107 ng/Kg	0.0107U ng/Kg
SL-097-SA5DN-SB-8.5-9.5(RES)	OCDD	1.20 ng/Kg	1.20U ng/Kg
SL-097-SA5DN-SB-8.5-9.5(RES)	OCDF	0.174 ng/Kg	0.174U ng/Kg
SL-098-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.244 ng/Kg	0.244U ng/Kg
SL-098-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.258 ng/Kg	0.258U ng/Kg
SL-098-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.218 ng/Kg	0.218U ng/Kg
SL-098-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.168 ng/Kg	0.168U ng/Kg
SL-098-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.251 ng/Kg	0.251U ng/Kg
SL-098-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0432 ng/Kg	0.0432U ng/Kg
SL-098-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDD	1.60 ng/Kg	1.60U ng/Kg
SL-098-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDF	0.347 ng/Kg	0.347U ng/Kg
SL-098-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,7,8,9-HPCDF	0.145 ng/Kg	0.145U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:06:36 AM

ADR version 1.4.0.111

Page 3 of 8

Method Blank Outlier Report

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-098-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,7,8-HxCDD	0.101 ng/Kg	0.101U ng/Kg
SL-098-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,7,8-HxCDF	0.158 ng/Kg	0.158U ng/Kg
SL-098-SA5DN-SB-7.0-8.0(RES)	1,2,3,6,7,8-HxCDD	0.148 ng/Kg	0.148U ng/Kg
SL-098-SA5DN-SB-7.0-8.0(RES)	1,2,3,6,7,8-HxCDF	0.136 ng/Kg	0.136U ng/Kg
SL-098-SA5DN-SB-7.0-8.0(RES)	1,2,3,7,8,9-HxCDD	0.153 ng/Kg	0.153U ng/Kg
SL-098-SA5DN-SB-7.0-8.0(RES)	1,2,3,7,8-PECDD	0.167 ng/Kg	0.167U ng/Kg
SL-098-SA5DN-SB-7.0-8.0(RES)	1,2,3,7,8-PECDF	0.188 ng/Kg	0.188U ng/Kg
SL-098-SA5DN-SB-7.0-8.0(RES)	2,3,4,6,7,8-HxCDF	0.168 ng/Kg	0.168U ng/Kg
SL-098-SA5DN-SB-7.0-8.0(RES)	2,3,4,7,8-PECDF	0.200 ng/Kg	0.200U ng/Kg
SL-098-SA5DN-SB-7.0-8.0(RES)	2,3,7,8-TCDD	0.0819 ng/Kg	0.0819U ng/Kg
SL-098-SA5DN-SB-7.0-8.0(RES)	2,3,7,8-TCDF	0.0491 ng/Kg	0.0491U ng/Kg
SL-098-SA5DN-SB-7.0-8.0(RES)	OCDF	0.785 ng/Kg	0.785U ng/Kg
SL-099-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.552 ng/Kg	0.552U ng/Kg
SL-099-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.178 ng/Kg	0.178U ng/Kg
SL-099-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.157 ng/Kg	0.157U ng/Kg
SL-099-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.222 ng/Kg	0.222U ng/Kg
SL-099-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.233 ng/Kg	0.233U ng/Kg
SL-099-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.202 ng/Kg	0.202U ng/Kg
SL-099-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.208 ng/Kg	0.208U ng/Kg
SL-099-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.214 ng/Kg	0.214U ng/Kg
SL-099-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.273 ng/Kg	0.273U ng/Kg
SL-099-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0848 ng/Kg	0.0848U ng/Kg
SL-111-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.872 ng/Kg	0.872U ng/Kg
SL-111-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.220 ng/Kg	0.220U ng/Kg
SL-111-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0592 ng/Kg	0.0592U ng/Kg
SL-111-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0491 ng/Kg	0.0491U ng/Kg
SL-111-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0442 ng/Kg	0.0442U ng/Kg
SL-111-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0347 ng/Kg	0.0347U ng/Kg
SL-111-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0704 ng/Kg	0.0704U ng/Kg
SL-111-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0301 ng/Kg	0.0301U ng/Kg
SL-111-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0908 ng/Kg	0.0908U ng/Kg
SL-111-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0635 ng/Kg	0.0635U ng/Kg
SL-111-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0138 ng/Kg	0.0138U ng/Kg
SL-111-SA5DN-SB-4.0-5.0(RES)	OCDF	0.456 ng/Kg	0.456U ng/Kg
SL-112-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.755 ng/Kg	0.755U ng/Kg
SL-112-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.240 ng/Kg	0.240U ng/Kg
SL-112-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0564 ng/Kg	0.0564U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:06:36 AM

ADR version 1.4.0.111

Page 4 of 8

Method Blank Outlier Report

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-112-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0167 ng/Kg	0.0167U ng/Kg
SL-112-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0575 ng/Kg	0.0575U ng/Kg
SL-112-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0630 ng/Kg	0.0630U ng/Kg
SL-112-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0492 ng/Kg	0.0492U ng/Kg
SL-112-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.111 ng/Kg	0.111U ng/Kg
SL-112-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0183 ng/Kg	0.0183U ng/Kg
SL-112-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0408 ng/Kg	0.0408U ng/Kg
SL-112-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.108 ng/Kg	0.108U ng/Kg
SL-112-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0690 ng/Kg	0.0690U ng/Kg
SL-112-SA5DN-SB-4.0-5.0(RES)	OCDF	0.320 ng/Kg	0.320U ng/Kg
SL-113-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.885 ng/Kg	0.885U ng/Kg
SL-113-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.282 ng/Kg	0.282U ng/Kg
SL-113-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0943 ng/Kg	0.0943U ng/Kg
SL-113-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0489 ng/Kg	0.0489U ng/Kg
SL-113-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.108 ng/Kg	0.108U ng/Kg
SL-113-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0631 ng/Kg	0.0631U ng/Kg
SL-113-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.102 ng/Kg	0.102U ng/Kg
SL-113-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0849 ng/Kg	0.0849U ng/Kg
SL-113-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.109 ng/Kg	0.109U ng/Kg
SL-113-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.149 ng/Kg	0.149U ng/Kg
SL-113-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.150 ng/Kg	0.150U ng/Kg
SL-113-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.156 ng/Kg	0.156U ng/Kg
SL-113-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0531 ng/Kg	0.0531U ng/Kg
SL-113-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0577 ng/Kg	0.0577U ng/Kg
SL-113-SA5DN-SB-4.0-5.0(RES)	OCDD	3.60 ng/Kg	3.60U ng/Kg
SL-113-SA5DN-SB-4.0-5.0(RES)	OCDF	0.338 ng/Kg	0.338U ng/Kg
SL-114-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.675 ng/Kg	0.675U ng/Kg
SL-114-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.192 ng/Kg	0.192U ng/Kg
SL-114-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.143 ng/Kg	0.143U ng/Kg
SL-114-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0699 ng/Kg	0.0699U ng/Kg
SL-114-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.112 ng/Kg	0.112U ng/Kg
SL-114-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.128 ng/Kg	0.128U ng/Kg
SL-114-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0961 ng/Kg	0.0961U ng/Kg
SL-114-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.234 ng/Kg	0.234U ng/Kg
SL-114-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0576 ng/Kg	0.0576U ng/Kg
SL-114-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.133 ng/Kg	0.133U ng/Kg
SL-114-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.144 ng/Kg	0.144U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:06:36 AM

ADR version 1.4.0.111

Page 5 of 8

Method Blank Outlier Report

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-114-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.124 ng/Kg	0.124U ng/Kg
SL-114-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0185 ng/Kg	0.0185U ng/Kg
SL-114-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0379 ng/Kg	0.0379U ng/Kg
SL-114-SA5DN-SB-4.0-5.0(RES)	OCDD	2.74 ng/Kg	2.74U ng/Kg
SL-114-SA5DN-SB-4.0-5.0(RES)	OCDF	0.476 ng/Kg	0.476U ng/Kg
SL-118-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.832 ng/Kg	0.832U ng/Kg
SL-118-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.185 ng/Kg	0.185U ng/Kg
SL-118-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0449 ng/Kg	0.0449U ng/Kg
SL-118-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0172 ng/Kg	0.0172U ng/Kg
SL-118-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0507 ng/Kg	0.0507U ng/Kg
SL-118-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0388 ng/Kg	0.0388U ng/Kg
SL-118-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0415 ng/Kg	0.0415U ng/Kg
SL-118-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0823 ng/Kg	0.0823U ng/Kg
SL-118-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0164 ng/Kg	0.0164U ng/Kg
SL-118-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0290 ng/Kg	0.0290U ng/Kg
SL-118-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0658 ng/Kg	0.0658U ng/Kg
SL-118-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0668 ng/Kg	0.0668U ng/Kg
SL-118-SA5DN-SB-4.0-5.0(RES)	OCDF	0.275 ng/Kg	0.275U ng/Kg
SL-119-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	2.30 ng/Kg	2.30U ng/Kg
SL-119-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.307 ng/Kg	0.307U ng/Kg
SL-119-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0594 ng/Kg	0.0594U ng/Kg
SL-119-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0282 ng/Kg	0.0282U ng/Kg
SL-119-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0514 ng/Kg	0.0514U ng/Kg
SL-119-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0806 ng/Kg	0.0806U ng/Kg
SL-119-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0485 ng/Kg	0.0485U ng/Kg
SL-119-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.102 ng/Kg	0.102U ng/Kg
SL-119-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0155 ng/Kg	0.0155U ng/Kg
SL-119-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0131 ng/Kg	0.0131U ng/Kg
SL-119-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0774 ng/Kg	0.0774U ng/Kg
SL-119-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0651 ng/Kg	0.0651U ng/Kg
SL-119-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0115 ng/Kg	0.0115U ng/Kg
SL-119-SA5DN-SB-4.0-5.0(RES)	OCDF	0.542 ng/Kg	0.542U ng/Kg
SL-120-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.73 ng/Kg	1.73U ng/Kg
SL-120-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.289 ng/Kg	0.289U ng/Kg
SL-120-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0660 ng/Kg	0.0660U ng/Kg
SL-120-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0244 ng/Kg	0.0244U ng/Kg
SL-120-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0599 ng/Kg	0.0599U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:06:36 AM

ADR version 1.4.0.111

Page 6 of 8

Method Blank Outlier Report

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-120-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0816 ng/Kg	0.0816U ng/Kg
SL-120-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0328 ng/Kg	0.0328U ng/Kg
SL-120-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0933 ng/Kg	0.0933U ng/Kg
SL-120-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0392 ng/Kg	0.0392U ng/Kg
SL-120-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0556 ng/Kg	0.0556U ng/Kg
SL-120-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0864 ng/Kg	0.0864U ng/Kg
SL-120-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.103 ng/Kg	0.103U ng/Kg
SL-120-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0226 ng/Kg	0.0226U ng/Kg
SL-120-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0254 ng/Kg	0.0254U ng/Kg
SL-120-SA5DN-SB-4.0-5.0(RES)	OCDF	0.589 ng/Kg	0.589U ng/Kg
SL-121-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.33 ng/Kg	1.33U ng/Kg
SL-121-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.259 ng/Kg	0.259U ng/Kg
SL-121-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0453 ng/Kg	0.0453U ng/Kg
SL-121-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0189 ng/Kg	0.0189U ng/Kg
SL-121-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0377 ng/Kg	0.0377U ng/Kg
SL-121-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.103 ng/Kg	0.103U ng/Kg
SL-121-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0337 ng/Kg	0.0337U ng/Kg
SL-121-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.140 ng/Kg	0.140U ng/Kg
SL-121-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0280 ng/Kg	0.0280U ng/Kg
SL-121-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0533 ng/Kg	0.0533U ng/Kg
SL-121-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0882 ng/Kg	0.0882U ng/Kg
SL-121-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0593 ng/Kg	0.0593U ng/Kg
SL-121-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0244 ng/Kg	0.0244U ng/Kg
SL-121-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0143 ng/Kg	0.0143U ng/Kg
SL-121-SA5DN-SB-4.0-5.0(RES)	OCDF	0.478 ng/Kg	0.478U ng/Kg
SL-121-SA5DN-SB-8.0-9.0(RES)	1,2,3,4,6,7,8-HPCDF	0.384 ng/Kg	0.384U ng/Kg
SL-121-SA5DN-SB-8.0-9.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0713 ng/Kg	0.0713U ng/Kg
SL-121-SA5DN-SB-8.0-9.0(RES)	1,2,3,4,7,8-HxCDD	0.0255 ng/Kg	0.0255U ng/Kg
SL-121-SA5DN-SB-8.0-9.0(RES)	1,2,3,4,7,8-HXCDF	0.0570 ng/Kg	0.0570U ng/Kg
SL-121-SA5DN-SB-8.0-9.0(RES)	1,2,3,6,7,8-HXCDD	0.0898 ng/Kg	0.0898U ng/Kg
SL-121-SA5DN-SB-8.0-9.0(RES)	1,2,3,6,7,8-HXCDF	0.0386 ng/Kg	0.0386U ng/Kg
SL-121-SA5DN-SB-8.0-9.0(RES)	1,2,3,7,8,9-HXCDD	0.0685 ng/Kg	0.0685U ng/Kg
SL-121-SA5DN-SB-8.0-9.0(RES)	1,2,3,7,8-PECDD	0.0248 ng/Kg	0.0248U ng/Kg
SL-121-SA5DN-SB-8.0-9.0(RES)	1,2,3,7,8-PECDF	0.0468 ng/Kg	0.0468U ng/Kg
SL-121-SA5DN-SB-8.0-9.0(RES)	2,3,4,6,7,8-HXCDF	0.0859 ng/Kg	0.0859U ng/Kg
SL-121-SA5DN-SB-8.0-9.0(RES)	2,3,4,7,8-PECDF	0.0826 ng/Kg	0.0826U ng/Kg
SL-121-SA5DN-SB-8.0-9.0(RES)	2,3,7,8-TCDD	0.0211 ng/Kg	0.0211U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:06:36 AM

ADR version 1.4.0.111

Page 7 of 8

Method Blank Outlier Report

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-121-SA5DN-SB-8.0-9.0(RES)	2,3,7,8-TCDF	0.0146 ng/Kg	0.0146U ng/Kg
SL-121-SA5DN-SB-8.0-9.0(RES)	OCDF	0.899 ng/Kg	0.899U ng/Kg
SL-125-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.602 ng/Kg	0.602U ng/Kg
SL-125-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0811 ng/Kg	0.0811U ng/Kg
SL-125-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0255 ng/Kg	0.0255U ng/Kg
SL-125-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0783 ng/Kg	0.0783U ng/Kg
SL-125-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0850 ng/Kg	0.0850U ng/Kg
SL-125-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0490 ng/Kg	0.0490U ng/Kg
SL-125-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0606 ng/Kg	0.0606U ng/Kg
SL-125-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0149 ng/Kg	0.0149U ng/Kg
SL-125-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.135 ng/Kg	0.135U ng/Kg
SL-125-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0690 ng/Kg	0.0690U ng/Kg
SL-125-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.550 ng/Kg	0.550U ng/Kg
SL-125-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.245 ng/Kg	0.245U ng/Kg
SL-125-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0548 ng/Kg	0.0548U ng/Kg
SL-125-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.00861 ng/Kg	0.00861U ng/Kg
SL-125-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.0485 ng/Kg	0.0485U ng/Kg
SL-125-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.0288 ng/Kg	0.0288U ng/Kg
SL-125-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0429 ng/Kg	0.0429U ng/Kg
SL-125-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.0350 ng/Kg	0.0350U ng/Kg
SL-125-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0186 ng/Kg	0.0186U ng/Kg
SL-125-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0179 ng/Kg	0.0179U ng/Kg
SL-125-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.0977 ng/Kg	0.0977U ng/Kg
SL-125-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0682 ng/Kg	0.0682U ng/Kg
SL-125-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0158 ng/Kg	0.0158U ng/Kg
SL-125-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0111 ng/Kg	0.0111U ng/Kg
SL-125-SA5DN-SB-9.0-10.0(RES)	OCDD	2.97 ng/Kg	2.97U ng/Kg
SL-125-SA5DN-SB-9.0-10.0(RES)	OCDF	0.264 ng/Kg	0.264U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:06:36 AM

ADR version 1.4.0.111

Page 8 of 8

Field Duplicate RPD Report

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-112-SA5DN-SB-4.0-5.0	DUP16-SA5DN-QC-062211			
MOISTURE	14.5	12.800000000	12		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-112-SA5DN-SB-4.0-5.0	DUP16-SA5DN-QC-062211			
1,2,3,4,6,7,8-HPCDD	0.755	1.090000000	36	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	0.240	0.168000000	35	50.00	
1,2,3,4,7,8,9-HPCDF	0.0564	0.064200000	13	50.00	
1,2,3,4,7,8-HXCDF	0.0575	0.042900000	29	50.00	
1,2,3,6,7,8-HXCDF	0.0492	0.052900000	7	50.00	
1,2,3,7,8,9-HXCDF	0.209	0.318000000	41	50.00	
2,3,4,6,7,8-HXCDF	0.108	0.082000000	27	50.00	
2,3,4,7,8-PECDF	0.0690	0.074400000	8	50.00	
OCDD	5.04	8.040000000	46	50.00	
OCDF	0.320	0.415000000	26	50.00	
1,2,3,4,7,8-HxCDD	0.0167	0.030700000	59	50.00	J(all detects)
1,2,3,6,7,8-HxCDD	0.0630	0.173000000	93	50.00	
1,2,3,7,8,9-HxCDD	0.111	0.281000000	87	50.00	
1,2,3,7,8-PECDD	0.0183	0.034600000	62	50.00	
1,2,3,7,8-PECDF	0.0408	0.073900000	58	50.00	

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:05:33 AM

ADR version 1.4.0.111

Page 1 of 1

Reporting Limit Outliers

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-094-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.724	5.79	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.234	5.79	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0657	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0530	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0918	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0613	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0736	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0786	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.117	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0717	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0941	5.79	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.120	5.79	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0999	5.79	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0324	1.16	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0173	1.16	PQL	ng/Kg	
	OCDD	JB	2.46	11.6	PQL	ng/Kg	
	OCDF	JB	0.275	11.6	PQL	ng/Kg	
SL-094-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.563	5.75	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.244	5.75	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0665	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0544	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.118	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0894	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0934	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0828	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JQ	0.111	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.120	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.140	5.75	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.130	5.75	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.154	5.75	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0244	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0304	1.15	PQL	ng/Kg	
	OCDD	JB	2.05	11.5	PQL	ng/Kg	
	OCDF	JB	0.284	11.5	PQL	ng/Kg	
SL-095-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.38	5.58	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.356	5.58	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.144	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0475	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.108	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.168	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0850	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.227	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.363	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0708	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.140	5.58	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.124	5.58	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.138	5.58	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0405	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0344	1.12	PQL	ng/Kg	
	OCDF	JB	0.680	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-095-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.892	5.45	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.228	5.45	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0811	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0232	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0576	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0546	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0404	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0578	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.0983	5.45	PQL	ng/Kg	
	1,2,3,7,8-PCDD	JB	0.0475	5.45	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JB	0.0555	5.45	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0874	5.45	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JB	0.0916	5.45	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0260	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0255	1.09	PQL	ng/Kg	
	OCDD	JB	7.45	10.9	PQL	ng/Kg	
	OCDF	JBQ	0.411	10.9	PQL	ng/Kg	
SL-097-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.955	5.86	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.267	5.86	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0549	5.86	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0163	5.86	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0592	5.86	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0570	5.86	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0526	5.86	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0602	5.86	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.0635	5.86	PQL	ng/Kg	
	1,2,3,7,8-PCDD	JB	0.0171	5.86	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JBQ	0.0231	5.86	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0799	5.86	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JB	0.0812	5.86	PQL	ng/Kg	
	OCDD	JB	9.03	11.7	PQL	ng/Kg	
	OCDF	JB	0.330	11.7	PQL	ng/Kg	
SL-097-SA5DN-SB-8.5-9.5	1,2,3,4,6,7,8-HPCDD	JB	0.452	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.135	5.61	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0397	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0151	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0326	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0310	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0182	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0327	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0552	5.61	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JB	0.0465	5.61	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0139	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0107	1.12	PQL	ng/Kg	
	OCDD	JB	1.20	11.2	PQL	ng/Kg	
	OCDF	JB	0.174	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-098-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	3.13	5.84	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.244	5.84	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.258	5.84	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.574	5.84	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.921	5.84	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.218	5.84	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.680	5.84	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.283	5.84	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.168	5.84	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.374	5.84	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.251	5.84	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.628	5.84	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0432	1.17	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.303	1.17	PQL	ng/Kg	
	OCDF	JB	11.1	11.7	PQL	ng/Kg	
SL-098-SA5DN-SB-7.0-8.0	1,2,3,4,6,7,8-HPCDD	JB	1.60	5.70	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.347	5.70	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.145	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.101	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.158	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.148	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.136	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.153	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.189	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.167	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.188	5.70	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.168	5.70	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.200	5.70	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0819	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0491	1.14	PQL	ng/Kg	
	OCDF	JB	0.785	11.4	PQL	ng/Kg	
SL-099-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	3.32	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.552	5.61	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.178	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.157	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.222	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.233	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.202	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.208	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.250	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.253	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.266	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.214	5.61	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.273	5.61	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0848	1.12	PQL	ng/Kg	
	OCDF	JB	1.42	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-111-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.872	5.68	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.220	5.68	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0592	5.68	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0491	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0442	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0347	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0704	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.105	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0301	5.68	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0906	5.68	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0635	5.68	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0138	1.14	PQL	ng/Kg	
	OCDD	JB	8.66	11.4	PQL	ng/Kg	
	OCDF	JB	0.456	11.4	PQL	ng/Kg	
SL-112-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.755	5.80	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.240	5.80	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0564	5.80	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0167	5.80	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0575	5.80	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0630	5.80	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0492	5.80	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.111	5.80	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.209	5.80	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0183	5.80	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0408	5.80	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.108	5.80	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0690	5.80	PQL	ng/Kg	
	OCDD	JB	5.04	11.6	PQL	ng/Kg	
	OCDF	JB	0.320	11.6	PQL	ng/Kg	
SL-113-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.885	5.88	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.282	5.88	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0943	5.88	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0489	5.88	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.108	5.88	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.0631	5.88	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.102	5.88	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0849	5.88	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.122	5.88	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.109	5.88	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.149	5.88	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.150	5.88	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.156	5.88	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0531	1.18	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0577	1.18	PQL	ng/Kg	
	OCDD	JB	3.60	11.8	PQL	ng/Kg	
	OCDF	JBQ	0.338	11.8	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-114-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.675	5.43	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.192	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HPCDF	JBQ	0.143	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0699	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.112	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.128	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0961	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.234	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.420	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0576	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.133	5.43	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.144	5.43	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.124	5.43	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0185	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0379	1.09	PQL	ng/Kg	
	OCDD	JB	2.74	10.9	PQL	ng/Kg	
	OCDF	JBQ	0.476	10.9	PQL	ng/Kg	
SL-118-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.832	5.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.185	5.49	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0449	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0172	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0507	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0388	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0415	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0823	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.0560	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0164	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0290	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0658	5.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0668	5.49	PQL	ng/Kg	
	OCDD	JB	5.11	11.0	PQL	ng/Kg	
	OCDF	JB	0.275	11.0	PQL	ng/Kg	
SL-119-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.30	5.70	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.307	5.70	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0594	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0282	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0514	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0806	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0485	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.102	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.0745	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0155	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0131	5.70	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0774	5.70	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0651	5.70	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0115	1.14	PQL	ng/Kg	
	OCDF	JB	0.542	11.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-120-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.73	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.289	5.62	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0660	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0244	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0599	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0816	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0328	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0933	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.0940	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0392	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0556	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0864	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.103	5.62	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0226	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0254	1.12	PQL	ng/Kg	
	OCDF	JB	0.589	11.2	PQL	ng/Kg	
SL-121-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.33	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.259	5.53	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0453	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0189	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0377	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.103	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0337	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.140	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.184	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0280	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0533	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0882	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0593	5.53	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0244	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0143	1.11	PQL	ng/Kg	
	OCDF	JB	0.478	11.1	PQL	ng/Kg	
SL-121-SA5DN-SB-8.0-9.0	1,2,3,4,6,7,8-HPCDD	JB	2.49	5.27	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.384	5.27	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0713	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0255	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0570	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0898	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0386	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0685	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.0493	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0248	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0468	5.27	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0859	5.27	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0826	5.27	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0211	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0146	1.05	PQL	ng/Kg	
	OCDF	JB	0.899	10.5	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX104

Laboratory: LL

EDD Filename: DX104_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-125-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.49	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.602	5.48	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0811	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0255	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0783	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0850	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0490	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0606	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JQ	0.0720	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0149	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.135	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0690	5.48	PQL	ng/Kg	
	OCDF	JB	1.86	11.0	PQL	ng/Kg	
SL-125-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.550	5.19	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.245	5.19	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0548	5.19	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.00861	5.19	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0485	5.19	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0288	5.19	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0429	5.19	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0350	5.19	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JQ	0.0511	5.19	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0186	5.19	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0179	5.19	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0977	5.19	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0682	5.19	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0158	1.04	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0111	1.04	PQL	ng/Kg	
	OCDD	JB	2.97	10.4	PQL	ng/Kg	
	OCDF	JB	0.264	10.4	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX105

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
22-June-2011	DUP16-SA5DN-QC-062211	6325719	FD	METHOD	1613B	III
22-June-2011	EB19-SA5DN-SB-062211	6325720	EB	METHOD	1613B	III
22-June-2011	SL-115-SA5DN-SB-4.0-5.0	6325718	N	METHOD	1613B	III
23-June-2011	SL-109-SA5DN-SB-3.5-4.5	6327429	N	METHOD	1613B	III
23-June-2011	SL-100-SA5DN-SB-3.0-4.0	6327421	N	METHOD	1613B	III
23-June-2011	SL-101-SA5DN-SB-2.5-3.5	6327422	N	METHOD	1613B	III
23-June-2011	SL-102-SA5DN-SB-4.0-5.0	6327423	N	METHOD	1613B	III
23-June-2011	SL-104-SA5DN-SB-4.0-5.0	6327424	N	METHOD	1613B	III
23-June-2011	SL-105-SA5DN-SB-4.0-5.0	6327425	N	METHOD	1613B	III
23-June-2011	SL-106-SA5DN-SB-4.0-5.0	6327426	N	METHOD	1613B	III
23-June-2011	SL-107-SA5DN-SB-3.5-4.5	6327428	N	METHOD	1613B	III
23-June-2011	SL-110-SA5DN-SB-4.0-5.0	6327430	N	METHOD	1613B	III
23-June-2011	SL-106-SA5DN-SB-9.0-10.0	6327427	N	METHOD	1613B	III
24-June-2011	DUP17-SA5DN-QC-062411	6328487	FD	METHOD	1613B	III
24-June-2011	SL-091-SA5DN-SB-4.0-5.0	6328479	N	METHOD	1613B	III
24-June-2011	SL-092-SA5DN-SB-4.0-5.0	6328480	N	METHOD	1613B	III
24-June-2011	SL-092-SA5DN-SB-4.0-5.0MS	6328481	MS	METHOD	1613B	III
24-June-2011	SL-092-SA5DN-SB-4.0-5.0MSD	6328482	MSD	METHOD	1613B	III
24-June-2011	SL-092-SA5DN-SB-7.0-8.0	6328483	N	METHOD	1613B	III
24-June-2011	SL-122-SA5DN-SB-4.0-5.0	6328484	N	METHOD	1613B	III
24-June-2011	SL-103-SA5DN-SB-4.0-5.0	6328485	N	METHOD	1613B	III
24-June-2011	SL-103-SA5DN-SB-7.0-8.0	6328486	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA		
Method:	1613B	Matrix:	AQ

Sample ID: EB19-SA5DN-SB-062211	Collected: 6/22/2011 1:45:00		Analysis Type: RES		Dilution: 1				
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	6.72	JB	0.331	MDL	10.2	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	11.3	B	0.201	MDL	10.2	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	1.03	JB	0.232	MDL	10.2	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.337	JB	0.162	MDL	10.2	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDF	1.72	JB	0.244	MDL	10.2	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDD	0.474	JB	0.164	MDL	10.2	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDF	1.47	JB	0.238	MDL	10.2	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDD	0.585	JB	0.157	MDL	10.2	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDF	0.652	JBQ	0.271	MDL	10.2	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.301	JB	0.103	MDL	10.2	PQL	pg/L	U	B
2,3,4,6,7,8-HxCDF	3.02	JB	0.230	MDL	10.2	PQL	pg/L	U	B
2,3,4,7,8-PECDF	1.29	JBQ	0.0964	MDL	10.2	PQL	pg/L	U	B
OCDD	11.5	JB	0.355	MDL	20.4	PQL	pg/L	U	B
OCDF	5.99	JB	0.392	MDL	20.4	PQL	pg/L	U	B

Method Category:	SVOA		
Method:	1613B	Matrix:	SO

Sample ID: DUP16-SA5DN-QC-062211	Collected: 6/22/2011 11:55:00		Analysis Type: RES		Dilution: 1				
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.09	JB	0.0326	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.168	JB	0.00780	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0642	JB	0.0175	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0307	JBQ	0.0219	MDL	5.70	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDF	0.0429	JBQ	0.0150	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.173	JB	0.0218	MDL	5.70	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HxCDF	0.0529	JB	0.0122	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.281	JBQ	0.0216	MDL	5.70	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDF	0.318	JB	0.0203	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0346	JBQ	0.0269	MDL	5.70	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.0739	JB	0.0130	MDL	5.70	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HxCDF	0.0820	JBQ	0.0143	MDL	5.70	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0744	JBQ	0.0138	MDL	5.70	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:23:02 AM

ADR version 1.4.0.111

Page 1 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: DUP16-SA5DN-QC-062211

Collected: 6/22/2011 11:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDD	8.04	JB	0.0194	MDL	11.4	PQL	ng/Kg	J	Z
OCDF	0.415	JBQ	0.0392	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: DUP17-SA5DN-QC-062411

Collected: 6/24/2011 10:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.06	JB	0.0303	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.166	JB	0.00836	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0570	JBQ	0.0184	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0376	JBQ	0.0193	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0362	JBQ	0.0146	MDL	5.81	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HxCDD	0.109	JBQ	0.0196	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0405	JBQ	0.0125	MDL	5.81	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDD	0.145	JBQ	0.0201	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.186	JB	0.0173	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0379	JBQ	0.0197	MDL	5.81	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.0422	JB	0.0110	MDL	5.81	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HxCDF	0.0529	JBQ	0.0143	MDL	5.81	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.0694	JBQ	0.0115	MDL	5.81	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0269	JQ	0.0239	MDL	1.16	PQL	ng/Kg	J	Z
OCDD	13.6	B	0.0314	MDL	11.6	PQL	ng/Kg	J	FD
OCDF	0.364	JB	0.0366	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-091-SA5DN-SB-4.0-5.0

Collected: 6/24/2011 12:35:00

Analysis Type: REA

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDF	0.587	JC	0.147	MDL	1.19	PQL	ng/Kg	J	Z

Sample ID: SL-091-SA5DN-SB-4.0-5.0

Collected: 6/24/2011 12:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.21	JB	0.0219	MDL	5.95	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	3.05	JB	0.0451	MDL	5.95	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.133	JB	0.0529	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.583	JB	0.0544	MDL	5.95	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:23:02 AM

ADR version 1.4.0.111

Page 2 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-091-SA5DN-SB-4.0-5.0

Collected: 6/24/2011 12:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HxCDD	0.410	JBQ	0.0535	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	4.51	JB	0.127	MDL	5.95	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.487	JBQ	0.125	MDL	5.95	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	3.75	JB	0.104	MDL	5.95	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0937	JQ	0.0623	MDL	1.19	PQL	ng/Kg	J	Z
OCDF	4.90	JB	0.0411	MDL	11.9	PQL	ng/Kg	J	Z

Sample ID: SL-092-SA5DN-SB-4.0-5.0

Collected: 6/24/2011 10:18:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.836	JB	0.0262	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.235	JBQ	0.00908	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0884	JBQ	0.0264	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0539	JBQ	0.0198	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0955	JB	0.0189	MDL	5.54	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HxCDD	0.108	JB	0.0195	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0757	JB	0.0134	MDL	5.54	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDD	0.147	JBQ	0.0202	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.178	JB	0.0253	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0984	JBQ	0.0233	MDL	5.54	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.114	JBQ	0.0144	MDL	5.54	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HxCDF	0.0924	JB	0.0170	MDL	5.54	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.123	JBQ	0.0160	MDL	5.54	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0268	JQ	0.0253	MDL	1.11	PQL	ng/Kg	J	Z
OCDD	4.99	JB	0.0217	MDL	11.1	PQL	ng/Kg	UJ	B, FD
OCDF	0.583	JB	0.0530	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-092-SA5DN-SB-7.0-8.0

Collected: 6/24/2011 10:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.78	JB	0.0284	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.434	JB	0.00964	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.285	JB	0.0223	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.203	JB	0.0259	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.260	JBQ	0.0204	MDL	5.81	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:23:02 AM

ADR version 1.4.0.111

Page 3 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-092-SA5DN-SB-7.0-8.0

Collected: 6/24/2011 10:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDD	0.321	JB	0.0259	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.202	JB	0.0166	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.346	JBQ	0.0260	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.296	JBQ	0.0283	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.257	JBQ	0.0280	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.217	JB	0.0137	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.293	JB	0.0196	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.288	JB	0.0146	MDL	5.81	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0734	JQ	0.0275	MDL	1.16	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0373	JQ	0.0264	MDL	1.16	PQL	ng/Kg	J	Z
OCDF	1.01	JB	0.0405	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-100-SA5DN-SB-3.0-4.0

Collected: 6/23/2011 8:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	4.87	JB	0.0361	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.552	JB	0.0112	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0984	JBQ	0.0231	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0483	JBQ	0.0272	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0688	JB	0.0190	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.201	JBQ	0.0265	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0628	JB	0.0156	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.177	JB	0.0270	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.121	JB	0.0200	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0342	JBQ	0.0245	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0470	JB	0.0138	MDL	5.63	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.102	JBQ	0.0164	MDL	5.63	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.105	JBQ	0.0147	MDL	5.63	PQL	ng/Kg	U	B
OCDF	1.54	JB	0.0416	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-101-SA5DN-SB-2.5-3.5

Collected: 6/23/2011 9:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.594	JBQ	0.0292	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.100	JB	0.00866	MDL	5.18	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:23:02 AM

ADR version 1.4.0.111

Page 4 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-101-SA5DN-SB-2.5-3.5

Collected: 6/23/2011 9:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.0467	JBQ	0.0157	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0367	JBQ	0.0169	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0604	JBQ	0.0185	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0238	JB	0.0133	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0572	JBQ	0.0178	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0914	JBQ	0.0160	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0164	JBQ	0.0111	MDL	5.18	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0620	JB	0.0117	MDL	5.18	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0544	JBQ	0.0118	MDL	5.18	PQL	ng/Kg	U	B
OCDD	4.06	JB	0.0183	MDL	10.4	PQL	ng/Kg	U	B
OCDF	0.265	JBQ	0.0359	MDL	10.4	PQL	ng/Kg	U	B

Sample ID: SL-102-SA5DN-SB-4.0-5.0

Collected: 6/23/2011 2:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.70	JB	0.0155	MDL	5.23	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.107	JB	0.0278	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0884	JB	0.0284	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.110	JBQ	0.0281	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.446	JB	0.0292	MDL	5.23	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0852	JB	0.0210	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.237	JB	0.0279	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.138	JB	0.0219	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0449	JBQ	0.0240	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0285	JBQ	0.0123	MDL	5.23	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.101	JB	0.0160	MDL	5.23	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0685	JB	0.0139	MDL	5.23	PQL	ng/Kg	U	B
OCDF	5.67	JB	0.0428	MDL	10.5	PQL	ng/Kg	J	Z

Sample ID: SL-103-SA5DN-SB-4.0-5.0

Collected: 6/24/2011 9:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.412	JB	0.0520	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.386	JB	0.0450	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.456	JBQ	0.0270	MDL	5.32	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:23:02 AM

ADR version 1.4.0.111

Page 5 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-103-SA5DN-SB-4.0-5.0

Collected: 6/24/2011 9:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDD	2.00	JB	0.0453	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.272	JB	0.0215	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	1.04	JB	0.0433	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.282	JBQ	0.0340	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.222	JBQ	0.0357	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.426	JB	0.0201	MDL	5.32	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.360	JB	0.0257	MDL	5.32	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.254	JB	0.0227	MDL	5.32	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0481	JQ	0.0291	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.111	J	0.0411	MDL	1.06	PQL	ng/Kg	J	Z

Sample ID: SL-103-SA5DN-SB-7.0-8.0

Collected: 6/24/2011 9:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.692	JB	0.0646	MDL	5.78	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.314	JBQ	0.0350	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.865	JBQ	0.0330	MDL	5.78	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	4.24	JB	0.0368	MDL	5.78	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.441	JB	0.0234	MDL	5.78	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.36	JB	0.0378	MDL	5.78	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.315	JBQ	0.0523	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.121	JBQ	0.0286	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.103	JB	0.0134	MDL	5.78	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.962	JB	0.0297	MDL	5.78	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.204	JB	0.0159	MDL	5.78	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0486	JQ	0.0291	MDL	1.16	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0369	J	0.0301	MDL	1.16	PQL	ng/Kg	J	Z

Sample ID: SL-104-SA5DN-SB-4.0-5.0

Collected: 6/23/2011 2:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.537	JB	0.0275	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.139	JBQ	0.00786	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0654	JB	0.0145	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.137	JB	0.0205	MDL	5.49	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:23:02 AM

ADR version 1.4.0.111

Page 6 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-104-SA5DN-SB-4.0-5.0

Collected: 6/23/2011 2:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.150	JBQ	0.0157	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.128	JBQ	0.0204	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.151	JBQ	0.0135	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.130	JBQ	0.0212	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.141	JBQ	0.0172	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.200	JB	0.0237	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.259	JBQ	0.0126	MDL	5.49	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.115	JB	0.0139	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.248	JBQ	0.0121	MDL	5.49	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0663	JQ	0.0255	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0572	JQ	0.0232	MDL	1.10	PQL	ng/Kg	J	Z
OCDD	3.86	JB	0.0209	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.201	JBQ	0.0308	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-105-SA5DN-SB-4.0-5.0

Collected: 6/23/2011 3:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.414	JB	0.0433	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.567	JB	0.0515	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.664	JB	0.0330	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.71	JB	0.0520	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.461	JB	0.0290	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.60	JB	0.0484	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.862	JB	0.0300	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.551	JB	0.0423	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.560	JB	0.0236	MDL	5.33	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.413	JB	0.0252	MDL	5.33	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.551	JBQ	0.0239	MDL	5.33	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.112	J	0.0302	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.254	J	0.0456	MDL	1.07	PQL	ng/Kg	J	Z

Sample ID: SL-106-SA5DN-SB-4.0-5.0

Collected: 6/23/2011 11:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.21	JB	0.0247	MDL	5.53	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:23:02 AM

ADR version 1.4.0.111

Page 7 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-106-SA5DN-SB-4.0-5.0

Collected: 6/23/2011 11:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.630	JB	0.00999	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0673	JB	0.0177	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0437	JBQ	0.0210	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0878	JB	0.0162	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.435	JB	0.0222	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0950	JB	0.0144	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.624	JB	0.0218	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.676	JB	0.0191	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.165	JB	0.0295	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.248	JB	0.0121	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.110	JB	0.0154	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.163	JB	0.0130	MDL	5.53	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0517	JQ	0.0235	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0466	J	0.0231	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	1.54	JB	0.0287	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-106-SA5DN-SB-9.0-10.0

Collected: 6/23/2011 11:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.548	JB	0.0258	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.119	JB	0.00805	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.140	JB	0.0205	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0470	JBQ	0.0189	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0324	JBQ	0.0154	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0543	JBQ	0.0191	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0610	JBQ	0.0112	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0713	JB	0.0191	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.126	JBQ	0.0178	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0503	JBQ	0.0240	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0692	JBQ	0.0104	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0856	JBQ	0.0135	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.111	JBQ	0.0119	MDL	5.49	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0339	JQ	0.0248	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0438	JQ	0.0235	MDL	1.10	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:23:02 AM

ADR version 1.4.0.111

Page 8 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-106-SA5DN-SB-9.0-10.0

Collected: 6/23/2011 11:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDD	2.78	JB	0.0223	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.405	JB	0.0478	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-107-SA5DN-SB-3.5-4.5

Collected: 6/23/2011 11:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.773	JB	0.0232	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.204	JB	0.00669	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.180	JBQ	0.0183	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0547	JBQ	0.0181	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0876	JB	0.0137	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0853	JBQ	0.0181	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0667	JBQ	0.0101	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.108	JB	0.0173	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.190	JB	0.0178	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0632	JBQ	0.0169	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0775	JBQ	0.00976	MDL	5.43	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.109	JBQ	0.0116	MDL	5.43	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0976	JBQ	0.0109	MDL	5.43	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0461	JQ	0.0225	MDL	1.09	PQL	ng/Kg	J	Z
OCDD	5.43	JB	0.0185	MDL	10.9	PQL	ng/Kg	J	Z
OCDF	0.649	JBQ	0.0420	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-109-SA5DN-SB-3.5-4.5

Collected: 6/23/2011 10:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.756	JB	0.0243	MDL	5.10	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.134	JB	0.00578	MDL	5.10	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0490	JBQ	0.0176	MDL	5.10	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0229	JB	0.0183	MDL	5.10	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0358	JB	0.0128	MDL	5.10	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0440	JBQ	0.0187	MDL	5.10	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0197	JBQ	0.00945	MDL	5.10	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0495	JBQ	0.0185	MDL	5.10	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0541	JB	0.0182	MDL	5.10	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:23:03 AM

ADR version 1.4.0.111

Page 9 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-109-SA5DN-SB-3.5-4.5

Collected: 6/23/2011 10:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDF	0.0277	JBQ	0.0103	MDL	5.10	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0699	JB	0.0117	MDL	5.10	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0526	JBQ	0.0111	MDL	5.10	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0332	JQ	0.0230	MDL	1.02	PQL	ng/Kg	J	Z
OCDD	6.83	JB	0.0197	MDL	10.2	PQL	ng/Kg	J	Z
OCDF	0.351	JB	0.0407	MDL	10.2	PQL	ng/Kg	U	B

Sample ID: SL-110-SA5DN-SB-4.0-5.0

Collected: 6/23/2011 9:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.41	JB	0.0322	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.434	JB	0.00896	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0908	JB	0.0260	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0274	JBQ	0.0209	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0707	JBQ	0.0154	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.161	JB	0.0216	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0488	JB	0.0113	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.120	JBQ	0.0209	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0529	JB	0.0227	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0457	JBQ	0.0210	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0436	JBQ	0.0104	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0970	JBQ	0.0140	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0858	JBQ	0.0118	MDL	5.42	PQL	ng/Kg	U	B
OCDF	1.23	JB	0.0450	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-115-SA5DN-SB-4.0-5.0

Collected: 6/22/2011 10:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.763	JB	0.0314	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.151	JB	0.00905	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0702	JBQ	0.0172	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0414	JBQ	0.0225	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0468	JB	0.0166	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0789	JB	0.0222	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0575	JBQ	0.0139	MDL	5.62	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:23:03 AM

ADR version 1.4.0.111

Page 10 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-115-SA5DN-SB-4.0-5.0

Collected: 6/22/2011 10:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDD	0.144	JBQ	0.0220	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.194	JBQ	0.0215	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0574	JBQ	0.0293	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0752	JB	0.0145	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0830	JBQ	0.0162	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0652	JB	0.0142	MDL	5.62	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0520	JQ	0.0354	MDL	1.12	PQL	ng/Kg	J	Z
OCDD	2.18	JB	0.0220	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.229	JB	0.0388	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-122-SA5DN-SB-4.0-5.0

Collected: 6/24/2011 11:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.575	JBQ	0.0269	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.149	JBQ	0.00722	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0582	JBQ	0.0215	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0562	JBQ	0.0219	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.110	JB	0.0148	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0980	JB	0.0223	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0641	JB	0.0108	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.184	JBQ	0.0221	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.221	JB	0.0218	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0703	JB	0.0211	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.116	JBQ	0.0113	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.130	JB	0.0139	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.124	JB	0.0127	MDL	5.61	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0484	J	0.0276	MDL	1.12	PQL	ng/Kg	J	Z
OCDD	2.46	JB	0.0220	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.406	JBQ	0.0445	MDL	11.2	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:23:03 AM

ADR version 1.4.0.111

Page 11 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*#	Professional Judgment
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Laboratory Triplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:23:03 AM

ADR version 1.4.0.111

Page 12 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Laboratory Triplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:23:03 AM

ADR version 1.4.0.111

Page 13 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Q	Matrix Spike Upper Rejection
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:23:03 AM

ADR version 1.4.0.111

Page 14 of 14

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX105

Method Blank Outlier Report

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B Matrix: AQ				
Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1790B371907	6/30/2011 7:07:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD OCDD OCDF	7.89 pg/L 12.2 pg/L 1.72 pg/L 0.478 pg/L 1.69 pg/L 0.892 pg/L 1.55 pg/L 1.22 pg/L 1.02 pg/L 0.462 pg/L 0.412 pg/L 2.76 pg/L 1.37 pg/L 0.204 pg/L 15.9 pg/L 6.55 pg/L	EB19-SA5DN-SB-062211

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
EB19-SA5DN-SB-062211(RES)	1,2,3,4,6,7,8-HPCDD	6.72 pg/L	6.72U pg/L
EB19-SA5DN-SB-062211(RES)	1,2,3,4,6,7,8-HPCDF	11.3 pg/L	11.3U pg/L
EB19-SA5DN-SB-062211(RES)	1,2,3,4,7,8,9-HPCDF	1.03 pg/L	1.03U pg/L
EB19-SA5DN-SB-062211(RES)	1,2,3,4,7,8-HxCDD	0.337 pg/L	0.337U pg/L
EB19-SA5DN-SB-062211(RES)	1,2,3,4,7,8-HxCDF	1.72 pg/L	1.72U pg/L
EB19-SA5DN-SB-062211(RES)	1,2,3,6,7,8-HxCDD	0.474 pg/L	0.474U pg/L
EB19-SA5DN-SB-062211(RES)	1,2,3,6,7,8-HxCDF	1.47 pg/L	1.47U pg/L
EB19-SA5DN-SB-062211(RES)	1,2,3,7,8,9-HxCDD	0.585 pg/L	0.585U pg/L
EB19-SA5DN-SB-062211(RES)	1,2,3,7,8,9-HxCDF	0.652 pg/L	0.652U pg/L
EB19-SA5DN-SB-062211(RES)	1,2,3,7,8-PECDF	0.301 pg/L	0.301U pg/L
EB19-SA5DN-SB-062211(RES)	2,3,4,6,7,8-HxCDF	3.02 pg/L	3.02U pg/L
EB19-SA5DN-SB-062211(RES)	2,3,4,7,8-PECDF	1.29 pg/L	1.29U pg/L
EB19-SA5DN-SB-062211(RES)	OCDD	11.5 pg/L	11.5U pg/L
EB19-SA5DN-SB-062211(RES)	OCDF	5.99 pg/L	5.99U pg/L

Field Duplicate RPD Report

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-112-SA5DN-SB-4.0-5.0	DUP16-SA5DN-QC-062211			
MOISTURE	14.500000000	12.8	12		No Qualifiers Applied
Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-092-SA5DN-SB-4.0-5.0	DUP17-SA5DN-QC-062411			
MOISTURE	13.0	15.1	15		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-112-SA5DN-SB-4.0-5.0	DUP16-SA5DN-QC-062211			
1,2,3,4,6,7,8-HPCDD	0.755000000	1.09	36	50.00	No Qualifiers Applied Except 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8-PCDD, 1,2,3,7,8-PCDF J(all detects)
1,2,3,4,6,7,8-HPCDF	0.240000000	0.168	35	50.00	
1,2,3,4,7,8,9-HPCDF	0.056400000	0.0642	13	50.00	
1,2,3,4,7,8-HxCDD	0.016700000	0.0307	59	50.00	
1,2,3,4,7,8-HxCDF	0.057500000	0.0429	29	50.00	
1,2,3,6,7,8-HxCDD	0.063000000	0.173	93	50.00	
1,2,3,6,7,8-HxCDF	0.049200000	0.0529	7	50.00	
1,2,3,7,8,9-HxCDD	0.111000000	0.281	87	50.00	
1,2,3,7,8,9-HxCDF	0.209000000	0.318	41	50.00	
1,2,3,7,8-PCDD	0.018300000	0.0346	62	50.00	
1,2,3,7,8-PCDF	0.040800000	0.0739	58	50.00	
2,3,4,6,7,8-HxCDF	0.108000000	0.0820	27	50.00	
2,3,4,7,8-PCDF	0.069000000	0.0744	8	50.00	
OCDD	5.040000000	8.04	46	50.00	
OCDF	0.320000000	0.415	26	50.00	
Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-092-SA5DN-SB-4.0-5.0	DUP17-SA5DN-QC-062411			
1,2,3,4,6,7,8-HPCDD	0.836	1.06	24	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	0.235	0.166	34	50.00	
1,2,3,4,7,8,9-HPCDF	0.0884	0.0570	43	50.00	
1,2,3,4,7,8-HxCDD	0.0539	0.0376	36	50.00	
1,2,3,6,7,8-HxCDD	0.108	0.109	1	50.00	
1,2,3,7,8,9-HxCDD	0.147	0.145	1	50.00	
1,2,3,7,8,9-HxCDF	0.178	0.186	4	50.00	
2,3,7,8-TCDD	0.0268	0.0269	0	50.00	
OCDF	0.583	0.364	46	50.00	
1,2,3,4,7,8-HxCDF	0.0955	0.0362	90	50.00	J(all detects)
1,2,3,6,7,8-HxCDF	0.0757	0.0405	61	50.00	
1,2,3,7,8-PCDD	0.0984	0.0379	89	50.00	
1,2,3,7,8-PCDF	0.114	0.0422	92	50.00	
2,3,4,6,7,8-HxCDF	0.0924	0.0529	54	50.00	
2,3,4,7,8-PCDF	0.123	0.0694	56	50.00	
OCDD	4.99	13.6	93	50.00	

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:14:20 AM

ADR version 1.4.0.111

Page 1 of 1

Method Blank Outlier Report

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1880B371851	7/8/2011 6:51:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF OCDD OCDF	0.482 ng/Kg 0.183 ng/Kg 0.122 ng/Kg 0.0727 ng/Kg 0.0817 ng/Kg 0.0718 ng/Kg 0.0708 ng/Kg 0.0839 ng/Kg 0.117 ng/Kg 0.0255 ng/Kg 0.0513 ng/Kg 0.0951 ng/Kg 0.113 ng/Kg 1.03 ng/Kg 0.387 ng/Kg	DUP16-SA5DN-QC-062211 DUP17-SA5DN-QC-062411 SL-091-SA5DN-SB-4.0-5.0 SL-092-SA5DN-SB-4.0-5.0 SL-092-SA5DN-SB-7.0-8.0 SL-100-SA5DN-SB-3.0-4.0 SL-101-SA5DN-SB-2.5-3.5 SL-102-SA5DN-SB-4.0-5.0 SL-103-SA5DN-SB-4.0-5.0 SL-103-SA5DN-SB-7.0-8.0 SL-104-SA5DN-SB-4.0-5.0 SL-105-SA5DN-SB-4.0-5.0 SL-106-SA5DN-SB-4.0-5.0 SL-106-SA5DN-SB-9.0-10.0 SL-107-SA5DN-SB-3.5-4.5 SL-109-SA5DN-SB-3.5-4.5 SL-110-SA5DN-SB-4.0-5.0 SL-115-SA5DN-SB-4.0-5.0 SL-122-SA5DN-SB-4.0-5.0

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP16-SA5DN-QC-062211(RES)	1,2,3,4,6,7,8-HPCDD	1.09 ng/Kg	1.09U ng/Kg
DUP16-SA5DN-QC-062211(RES)	1,2,3,4,6,7,8-HPCDF	0.168 ng/Kg	0.168U ng/Kg
DUP16-SA5DN-QC-062211(RES)	1,2,3,4,7,8,9-HPCDF	0.0642 ng/Kg	0.0642U ng/Kg
DUP16-SA5DN-QC-062211(RES)	1,2,3,4,7,8-HxCDD	0.0307 ng/Kg	0.0307U ng/Kg
DUP16-SA5DN-QC-062211(RES)	1,2,3,4,7,8-HxCDF	0.0429 ng/Kg	0.0429U ng/Kg
DUP16-SA5DN-QC-062211(RES)	1,2,3,6,7,8-HxCDD	0.173 ng/Kg	0.173U ng/Kg
DUP16-SA5DN-QC-062211(RES)	1,2,3,6,7,8-HxCDF	0.0529 ng/Kg	0.0529U ng/Kg
DUP16-SA5DN-QC-062211(RES)	1,2,3,7,8,9-HxCDD	0.281 ng/Kg	0.281U ng/Kg
DUP16-SA5DN-QC-062211(RES)	1,2,3,7,8,9-HxCDF	0.318 ng/Kg	0.318U ng/Kg
DUP16-SA5DN-QC-062211(RES)	1,2,3,7,8-PECDD	0.0346 ng/Kg	0.0346U ng/Kg
DUP16-SA5DN-QC-062211(RES)	1,2,3,7,8-PECDF	0.0739 ng/Kg	0.0739U ng/Kg
DUP16-SA5DN-QC-062211(RES)	2,3,4,6,7,8-HxCDF	0.0820 ng/Kg	0.0820U ng/Kg
DUP16-SA5DN-QC-062211(RES)	2,3,4,7,8-PECDF	0.0744 ng/Kg	0.0744U ng/Kg
DUP16-SA5DN-QC-062211(RES)	OCDF	0.415 ng/Kg	0.415U ng/Kg
DUP17-SA5DN-QC-062411(RES)	1,2,3,4,6,7,8-HPCDD	1.06 ng/Kg	1.06U ng/Kg
DUP17-SA5DN-QC-062411(RES)	1,2,3,4,6,7,8-HPCDF	0.166 ng/Kg	0.166U ng/Kg
DUP17-SA5DN-QC-062411(RES)	1,2,3,4,7,8,9-HPCDF	0.0570 ng/Kg	0.0570U ng/Kg
DUP17-SA5DN-QC-062411(RES)	1,2,3,4,7,8-HxCDD	0.0376 ng/Kg	0.0376U ng/Kg
DUP17-SA5DN-QC-062411(RES)	1,2,3,4,7,8-HxCDF	0.0362 ng/Kg	0.0362U ng/Kg
DUP17-SA5DN-QC-062411(RES)	1,2,3,6,7,8-HxCDD	0.109 ng/Kg	0.109U ng/Kg
DUP17-SA5DN-QC-062411(RES)	1,2,3,6,7,8-HxCDF	0.0405 ng/Kg	0.0405U ng/Kg
DUP17-SA5DN-QC-062411(RES)	1,2,3,7,8,9-HxCDD	0.145 ng/Kg	0.145U ng/Kg
DUP17-SA5DN-QC-062411(RES)	1,2,3,7,8,9-HxCDF	0.186 ng/Kg	0.186U ng/Kg
DUP17-SA5DN-QC-062411(RES)	1,2,3,7,8-PECDD	0.0379 ng/Kg	0.0379U ng/Kg
DUP17-SA5DN-QC-062411(RES)	1,2,3,7,8-PECDF	0.0422 ng/Kg	0.0422U ng/Kg
DUP17-SA5DN-QC-062411(RES)	2,3,4,6,7,8-HxCDF	0.0529 ng/Kg	0.0529U ng/Kg
DUP17-SA5DN-QC-062411(RES)	2,3,4,7,8-PECDF	0.0694 ng/Kg	0.0694U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:22:16 AM

ADR version 1.4.0.111

Page 2 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP17-SA5DN-QC-062411(RES)	OCDF	0.364 ng/Kg	0.364U ng/Kg
SL-091-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.133 ng/Kg	0.133U ng/Kg
SL-091-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.410 ng/Kg	0.410U ng/Kg
SL-092-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.836 ng/Kg	0.836U ng/Kg
SL-092-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.235 ng/Kg	0.235U ng/Kg
SL-092-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0884 ng/Kg	0.0884U ng/Kg
SL-092-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0539 ng/Kg	0.0539U ng/Kg
SL-092-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0955 ng/Kg	0.0955U ng/Kg
SL-092-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.108 ng/Kg	0.108U ng/Kg
SL-092-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0757 ng/Kg	0.0757U ng/Kg
SL-092-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.147 ng/Kg	0.147U ng/Kg
SL-092-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.178 ng/Kg	0.178U ng/Kg
SL-092-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0984 ng/Kg	0.0984U ng/Kg
SL-092-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.114 ng/Kg	0.114U ng/Kg
SL-092-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0924 ng/Kg	0.0924U ng/Kg
SL-092-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.123 ng/Kg	0.123U ng/Kg
SL-092-SA5DN-SB-4.0-5.0(RES)	OCDD	4.99 ng/Kg	4.99U ng/Kg
SL-092-SA5DN-SB-4.0-5.0(RES)	OCDF	0.583 ng/Kg	0.583U ng/Kg
SL-092-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDD	1.78 ng/Kg	1.78U ng/Kg
SL-092-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDF	0.434 ng/Kg	0.434U ng/Kg
SL-092-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,7,8,9-HPCDF	0.285 ng/Kg	0.285U ng/Kg
SL-092-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,7,8-HxCDD	0.203 ng/Kg	0.203U ng/Kg
SL-092-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,7,8-HxCDF	0.260 ng/Kg	0.260U ng/Kg
SL-092-SA5DN-SB-7.0-8.0(RES)	1,2,3,6,7,8-HxCDD	0.321 ng/Kg	0.321U ng/Kg
SL-092-SA5DN-SB-7.0-8.0(RES)	1,2,3,6,7,8-HxCDF	0.202 ng/Kg	0.202U ng/Kg
SL-092-SA5DN-SB-7.0-8.0(RES)	1,2,3,7,8,9-HxCDD	0.346 ng/Kg	0.346U ng/Kg
SL-092-SA5DN-SB-7.0-8.0(RES)	1,2,3,7,8,9-HxCDF	0.296 ng/Kg	0.296U ng/Kg
SL-092-SA5DN-SB-7.0-8.0(RES)	1,2,3,7,8-PECDF	0.217 ng/Kg	0.217U ng/Kg
SL-092-SA5DN-SB-7.0-8.0(RES)	2,3,4,6,7,8-HxCDF	0.293 ng/Kg	0.293U ng/Kg
SL-092-SA5DN-SB-7.0-8.0(RES)	2,3,4,7,8-PECDF	0.288 ng/Kg	0.288U ng/Kg
SL-092-SA5DN-SB-7.0-8.0(RES)	OCDF	1.01 ng/Kg	1.01U ng/Kg
SL-100-SA5DN-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.552 ng/Kg	0.552U ng/Kg
SL-100-SA5DN-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0984 ng/Kg	0.0984U ng/Kg
SL-100-SA5DN-SB-3.0-4.0(RES)	1,2,3,4,7,8-HxCDD	0.0483 ng/Kg	0.0483U ng/Kg
SL-100-SA5DN-SB-3.0-4.0(RES)	1,2,3,4,7,8-HxCDF	0.0688 ng/Kg	0.0688U ng/Kg
SL-100-SA5DN-SB-3.0-4.0(RES)	1,2,3,6,7,8-HxCDD	0.201 ng/Kg	0.201U ng/Kg
SL-100-SA5DN-SB-3.0-4.0(RES)	1,2,3,6,7,8-HxCDF	0.0628 ng/Kg	0.0628U ng/Kg
SL-100-SA5DN-SB-3.0-4.0(RES)	1,2,3,7,8,9-HxCDD	0.177 ng/Kg	0.177U ng/Kg
SL-100-SA5DN-SB-3.0-4.0(RES)	1,2,3,7,8,9-HxCDF	0.121 ng/Kg	0.121U ng/Kg
SL-100-SA5DN-SB-3.0-4.0(RES)	1,2,3,7,8-PECDD	0.0342 ng/Kg	0.0342U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:22:16 AM

ADR version 1.4.0.111

Page 3 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-100-SA5DN-SB-3.0-4.0(RES)	1,2,3,7,8-PECDF	0.0470 ng/Kg	0.0470U ng/Kg
SL-100-SA5DN-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.102 ng/Kg	0.102U ng/Kg
SL-100-SA5DN-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.105 ng/Kg	0.105U ng/Kg
SL-100-SA5DN-SB-3.0-4.0(RES)	OCDF	1.54 ng/Kg	1.54U ng/Kg
SL-101-SA5DN-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDD	0.594 ng/Kg	0.594U ng/Kg
SL-101-SA5DN-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDF	0.100 ng/Kg	0.100U ng/Kg
SL-101-SA5DN-SB-2.5-3.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0467 ng/Kg	0.0467U ng/Kg
SL-101-SA5DN-SB-2.5-3.5(RES)	1,2,3,4,7,8-HXCDF	0.0367 ng/Kg	0.0367U ng/Kg
SL-101-SA5DN-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDD	0.0604 ng/Kg	0.0604U ng/Kg
SL-101-SA5DN-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDF	0.0238 ng/Kg	0.0238U ng/Kg
SL-101-SA5DN-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDD	0.0572 ng/Kg	0.0572U ng/Kg
SL-101-SA5DN-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDF	0.0914 ng/Kg	0.0914U ng/Kg
SL-101-SA5DN-SB-2.5-3.5(RES)	1,2,3,7,8-PECDF	0.0164 ng/Kg	0.0164U ng/Kg
SL-101-SA5DN-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.0620 ng/Kg	0.0620U ng/Kg
SL-101-SA5DN-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.0544 ng/Kg	0.0544U ng/Kg
SL-101-SA5DN-SB-2.5-3.5(RES)	OCDD	4.06 ng/Kg	4.06U ng/Kg
SL-101-SA5DN-SB-2.5-3.5(RES)	OCDF	0.265 ng/Kg	0.265U ng/Kg
SL-102-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.107 ng/Kg	0.107U ng/Kg
SL-102-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0884 ng/Kg	0.0884U ng/Kg
SL-102-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.110 ng/Kg	0.110U ng/Kg
SL-102-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0852 ng/Kg	0.0852U ng/Kg
SL-102-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.237 ng/Kg	0.237U ng/Kg
SL-102-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.138 ng/Kg	0.138U ng/Kg
SL-102-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0449 ng/Kg	0.0449U ng/Kg
SL-102-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0285 ng/Kg	0.0285U ng/Kg
SL-102-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.101 ng/Kg	0.101U ng/Kg
SL-102-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0685 ng/Kg	0.0685U ng/Kg
SL-103-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.412 ng/Kg	0.412U ng/Kg
SL-103-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.272 ng/Kg	0.272U ng/Kg
SL-103-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.282 ng/Kg	0.282U ng/Kg
SL-103-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.360 ng/Kg	0.360U ng/Kg
SL-103-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.254 ng/Kg	0.254U ng/Kg
SL-103-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,7,8-HxCDD	0.314 ng/Kg	0.314U ng/Kg
SL-103-SA5DN-SB-7.0-8.0(RES)	1,2,3,7,8,9-HXCDF	0.315 ng/Kg	0.315U ng/Kg
SL-103-SA5DN-SB-7.0-8.0(RES)	1,2,3,7,8-PECDD	0.121 ng/Kg	0.121U ng/Kg
SL-103-SA5DN-SB-7.0-8.0(RES)	1,2,3,7,8-PECDF	0.103 ng/Kg	0.103U ng/Kg
SL-103-SA5DN-SB-7.0-8.0(RES)	2,3,4,7,8-PECDF	0.204 ng/Kg	0.204U ng/Kg
SL-104-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.537 ng/Kg	0.537U ng/Kg
SL-104-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.139 ng/Kg	0.139U ng/Kg
SL-104-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0654 ng/Kg	0.0654U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:22:17 AM

ADR version 1.4.0.111

Page 4 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-104-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.137 ng/Kg	0.137U ng/Kg
SL-104-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.150 ng/Kg	0.150U ng/Kg
SL-104-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.128 ng/Kg	0.128U ng/Kg
SL-104-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.151 ng/Kg	0.151U ng/Kg
SL-104-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.130 ng/Kg	0.130U ng/Kg
SL-104-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.141 ng/Kg	0.141U ng/Kg
SL-104-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.115 ng/Kg	0.115U ng/Kg
SL-104-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.248 ng/Kg	0.248U ng/Kg
SL-104-SA5DN-SB-4.0-5.0(RES)	OCDD	3.86 ng/Kg	3.86U ng/Kg
SL-104-SA5DN-SB-4.0-5.0(RES)	OCDF	0.201 ng/Kg	0.201U ng/Kg
SL-105-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.414 ng/Kg	0.414U ng/Kg
SL-105-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.413 ng/Kg	0.413U ng/Kg
SL-105-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.551 ng/Kg	0.551U ng/Kg
SL-106-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	2.21 ng/Kg	2.21U ng/Kg
SL-106-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.630 ng/Kg	0.630U ng/Kg
SL-106-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0673 ng/Kg	0.0673U ng/Kg
SL-106-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0437 ng/Kg	0.0437U ng/Kg
SL-106-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0878 ng/Kg	0.0878U ng/Kg
SL-106-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0950 ng/Kg	0.0950U ng/Kg
SL-106-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.248 ng/Kg	0.248U ng/Kg
SL-106-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.110 ng/Kg	0.110U ng/Kg
SL-106-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.163 ng/Kg	0.163U ng/Kg
SL-106-SA5DN-SB-4.0-5.0(RES)	OCDF	1.54 ng/Kg	1.54U ng/Kg
SL-106-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.548 ng/Kg	0.548U ng/Kg
SL-106-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.119 ng/Kg	0.119U ng/Kg
SL-106-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.140 ng/Kg	0.140U ng/Kg
SL-106-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0470 ng/Kg	0.0470U ng/Kg
SL-106-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.0324 ng/Kg	0.0324U ng/Kg
SL-106-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.0543 ng/Kg	0.0543U ng/Kg
SL-106-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0610 ng/Kg	0.0610U ng/Kg
SL-106-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.0713 ng/Kg	0.0713U ng/Kg
SL-106-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.126 ng/Kg	0.126U ng/Kg
SL-106-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0503 ng/Kg	0.0503U ng/Kg
SL-106-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0692 ng/Kg	0.0692U ng/Kg
SL-106-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.0856 ng/Kg	0.0856U ng/Kg
SL-106-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.111 ng/Kg	0.111U ng/Kg
SL-106-SA5DN-SB-9.0-10.0(RES)	OCDD	2.78 ng/Kg	2.78U ng/Kg
SL-106-SA5DN-SB-9.0-10.0(RES)	OCDF	0.405 ng/Kg	0.405U ng/Kg
SL-107-SA5DN-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDD	0.773 ng/Kg	0.773U ng/Kg
SL-107-SA5DN-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDF	0.204 ng/Kg	0.204U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:22:17 AM

ADR version 1.4.0.111

Page 5 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-107-SA5DN-SB-3.5-4.5(RES)	1,2,3,4,7,8,9-HPCDF	0.180 ng/Kg	0.180U ng/Kg
SL-107-SA5DN-SB-3.5-4.5(RES)	1,2,3,4,7,8-HxCDD	0.0547 ng/Kg	0.0547U ng/Kg
SL-107-SA5DN-SB-3.5-4.5(RES)	1,2,3,4,7,8-HXCDF	0.0876 ng/Kg	0.0876U ng/Kg
SL-107-SA5DN-SB-3.5-4.5(RES)	1,2,3,6,7,8-HxCDD	0.0853 ng/Kg	0.0853U ng/Kg
SL-107-SA5DN-SB-3.5-4.5(RES)	1,2,3,6,7,8-HXCDF	0.0667 ng/Kg	0.0667U ng/Kg
SL-107-SA5DN-SB-3.5-4.5(RES)	1,2,3,7,8,9-HxCDD	0.108 ng/Kg	0.108U ng/Kg
SL-107-SA5DN-SB-3.5-4.5(RES)	1,2,3,7,8,9-HXCDF	0.190 ng/Kg	0.190U ng/Kg
SL-107-SA5DN-SB-3.5-4.5(RES)	1,2,3,7,8-PECDD	0.0632 ng/Kg	0.0632U ng/Kg
SL-107-SA5DN-SB-3.5-4.5(RES)	1,2,3,7,8-PECDF	0.0775 ng/Kg	0.0775U ng/Kg
SL-107-SA5DN-SB-3.5-4.5(RES)	2,3,4,6,7,8-HXCDF	0.109 ng/Kg	0.109U ng/Kg
SL-107-SA5DN-SB-3.5-4.5(RES)	2,3,4,7,8-PECDF	0.0976 ng/Kg	0.0976U ng/Kg
SL-107-SA5DN-SB-3.5-4.5(RES)	OCDF	0.649 ng/Kg	0.649U ng/Kg
SL-109-SA5DN-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDD	0.756 ng/Kg	0.756U ng/Kg
SL-109-SA5DN-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDF	0.134 ng/Kg	0.134U ng/Kg
SL-109-SA5DN-SB-3.5-4.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0490 ng/Kg	0.0490U ng/Kg
SL-109-SA5DN-SB-3.5-4.5(RES)	1,2,3,4,7,8-HxCDD	0.0229 ng/Kg	0.0229U ng/Kg
SL-109-SA5DN-SB-3.5-4.5(RES)	1,2,3,4,7,8-HXCDF	0.0358 ng/Kg	0.0358U ng/Kg
SL-109-SA5DN-SB-3.5-4.5(RES)	1,2,3,6,7,8-HxCDD	0.0440 ng/Kg	0.0440U ng/Kg
SL-109-SA5DN-SB-3.5-4.5(RES)	1,2,3,6,7,8-HXCDF	0.0197 ng/Kg	0.0197U ng/Kg
SL-109-SA5DN-SB-3.5-4.5(RES)	1,2,3,7,8,9-HxCDD	0.0495 ng/Kg	0.0495U ng/Kg
SL-109-SA5DN-SB-3.5-4.5(RES)	1,2,3,7,8,9-HXCDF	0.0541 ng/Kg	0.0541U ng/Kg
SL-109-SA5DN-SB-3.5-4.5(RES)	1,2,3,7,8-PECDF	0.0277 ng/Kg	0.0277U ng/Kg
SL-109-SA5DN-SB-3.5-4.5(RES)	2,3,4,6,7,8-HXCDF	0.0699 ng/Kg	0.0699U ng/Kg
SL-109-SA5DN-SB-3.5-4.5(RES)	2,3,4,7,8-PECDF	0.0526 ng/Kg	0.0526U ng/Kg
SL-109-SA5DN-SB-3.5-4.5(RES)	OCDF	0.351 ng/Kg	0.351U ng/Kg
SL-110-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.434 ng/Kg	0.434U ng/Kg
SL-110-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0908 ng/Kg	0.0908U ng/Kg
SL-110-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0274 ng/Kg	0.0274U ng/Kg
SL-110-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0707 ng/Kg	0.0707U ng/Kg
SL-110-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.161 ng/Kg	0.161U ng/Kg
SL-110-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0488 ng/Kg	0.0488U ng/Kg
SL-110-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.120 ng/Kg	0.120U ng/Kg
SL-110-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0529 ng/Kg	0.0529U ng/Kg
SL-110-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0457 ng/Kg	0.0457U ng/Kg
SL-110-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0436 ng/Kg	0.0436U ng/Kg
SL-110-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0970 ng/Kg	0.0970U ng/Kg
SL-110-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0858 ng/Kg	0.0858U ng/Kg
SL-110-SA5DN-SB-4.0-5.0(RES)	OCDF	1.23 ng/Kg	1.23U ng/Kg
SL-115-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.763 ng/Kg	0.763U ng/Kg
SL-115-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.151 ng/Kg	0.151U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:22:17 AM

ADR version 1.4.0.111

Page 6 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-115-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0702 ng/Kg	0.0702U ng/Kg
SL-115-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0414 ng/Kg	0.0414U ng/Kg
SL-115-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0468 ng/Kg	0.0468U ng/Kg
SL-115-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0789 ng/Kg	0.0789U ng/Kg
SL-115-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0575 ng/Kg	0.0575U ng/Kg
SL-115-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.144 ng/Kg	0.144U ng/Kg
SL-115-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.194 ng/Kg	0.194U ng/Kg
SL-115-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0574 ng/Kg	0.0574U ng/Kg
SL-115-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0752 ng/Kg	0.0752U ng/Kg
SL-115-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0830 ng/Kg	0.0830U ng/Kg
SL-115-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0652 ng/Kg	0.0652U ng/Kg
SL-115-SA5DN-SB-4.0-5.0(RES)	OCDD	2.18 ng/Kg	2.18U ng/Kg
SL-115-SA5DN-SB-4.0-5.0(RES)	OCDF	0.229 ng/Kg	0.229U ng/Kg
SL-122-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.575 ng/Kg	0.575U ng/Kg
SL-122-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.149 ng/Kg	0.149U ng/Kg
SL-122-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0582 ng/Kg	0.0582U ng/Kg
SL-122-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0562 ng/Kg	0.0562U ng/Kg
SL-122-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.110 ng/Kg	0.110U ng/Kg
SL-122-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0980 ng/Kg	0.0980U ng/Kg
SL-122-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0641 ng/Kg	0.0641U ng/Kg
SL-122-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.184 ng/Kg	0.184U ng/Kg
SL-122-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.221 ng/Kg	0.221U ng/Kg
SL-122-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0703 ng/Kg	0.0703U ng/Kg
SL-122-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.116 ng/Kg	0.116U ng/Kg
SL-122-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.130 ng/Kg	0.130U ng/Kg
SL-122-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.124 ng/Kg	0.124U ng/Kg
SL-122-SA5DN-SB-4.0-5.0(RES)	OCDD	2.46 ng/Kg	2.46U ng/Kg
SL-122-SA5DN-SB-4.0-5.0(RES)	OCDF	0.406 ng/Kg	0.406U ng/Kg

Reporting Limit Outliers

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB19-SA5DN-SB-062211	1,2,3,4,6,7,8-HPCDD	JB	6.72	10.2	PQL	pg/L	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	1.03	10.2	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JB	0.337	10.2	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JB	1.72	10.2	PQL	pg/L	
	1,2,3,6,7,8-HxCDD	JB	0.474	10.2	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JB	1.47	10.2	PQL	pg/L	
	1,2,3,7,8,9-HxCDD	JB	0.585	10.2	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JBQ	0.652	10.2	PQL	pg/L	
	1,2,3,7,8-PECDF	JB	0.301	10.2	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JB	3.02	10.2	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	1.29	10.2	PQL	pg/L	
	OCDD	JB	11.5	20.4	PQL	pg/L	
	OCDF	JB	5.99	20.4	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP16-SA5DN-QC-062211	1,2,3,4,6,7,8-HPCDD	JB	1.09	5.70	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.168	5.70	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0642	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0307	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0429	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.173	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0529	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.281	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.318	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0346	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0739	5.70	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0820	5.70	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0744	5.70	PQL	ng/Kg	
	OCDD	JB	8.04	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.415	11.4	PQL	ng/Kg	
DUP17-SA5DN-QC-062411	1,2,3,4,6,7,8-HPCDD	JB	1.06	5.81	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.166	5.81	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0570	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0376	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0362	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.109	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0405	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.145	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.186	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0379	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0422	5.81	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0529	5.81	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0694	5.81	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0269	1.16	PQL	ng/Kg	
	OCDF	JB	0.364	11.6	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-091-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	4.21	5.95	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	3.05	5.95	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.133	5.95	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.583	5.95	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.410	5.95	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	4.51	5.95	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.487	5.95	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	3.75	5.95	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0937	1.19	PQL	ng/Kg	
	2,3,7,8-TCDF	JC	0.587	1.19	PQL	ng/Kg	
	OCDF	JB	4.90	11.9	PQL	ng/Kg	
SL-092-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.836	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.235	5.54	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0884	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0539	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0955	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.108	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0757	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.147	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.178	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0984	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.114	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0924	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.123	5.54	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0268	1.11	PQL	ng/Kg	
	OCDD	JB	4.99	11.1	PQL	ng/Kg	
	OCDF	JB	0.583	11.1	PQL	ng/Kg	
SL-092-SA5DN-SB-7.0-8.0	1,2,3,4,6,7,8-HPCDD	JB	1.78	5.81	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.434	5.81	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.285	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.203	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.260	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.321	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.202	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.346	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.296	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.257	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.217	5.81	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.293	5.81	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.288	5.81	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0734	1.16	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0373	1.16	PQL	ng/Kg	
	OCDF	JB	1.01	11.6	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-100-SA5DN-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JB	4.87	5.63	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.552	5.63	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0984	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0483	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0688	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.201	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0628	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.177	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.121	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0342	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0470	5.63	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.102	5.63	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.105	5.63	PQL	ng/Kg	
	OCDF	JB	1.54	11.3	PQL	ng/Kg	
SL-101-SA5DN-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JBQ	0.594	5.18	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.100	5.18	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0467	5.18	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0367	5.18	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0604	5.18	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0238	5.18	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0572	5.18	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0914	5.18	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0164	5.18	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0620	5.18	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0544	5.18	PQL	ng/Kg	
	OCDD	JB	4.06	10.4	PQL	ng/Kg	
	OCDF	JBQ	0.265	10.4	PQL	ng/Kg	
SL-102-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	1.70	5.23	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.107	5.23	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0884	5.23	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.110	5.23	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.446	5.23	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0852	5.23	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.237	5.23	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.138	5.23	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0449	5.23	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0285	5.23	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.101	5.23	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0685	5.23	PQL	ng/Kg	
	OCDF	JB	5.67	10.5	PQL	ng/Kg	
SL-103-SA5DN-SB-4.0-5.0	1,2,3,4,7,8,9-HPCDF	JB	0.412	5.32	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.386	5.32	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.456	5.32	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.00	5.32	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.272	5.32	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.04	5.32	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.282	5.32	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.222	5.32	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.426	5.32	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.360	5.32	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.254	5.32	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0481	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.111	1.06	PQL	ng/Kg	

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:22:43 AM

ADR version 1.4.0.111

Page 3 of 7

Reporting Limit Outliers

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-103-SA5DN-SB-7.0-8.0	1,2,3,4,7,8,9-HPCDF	JB	0.692	5.78	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	0.314	5.78	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.865	5.78	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	4.24	5.78	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.441	5.78	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.36	5.78	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.315	5.78	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.121	5.78	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.103	5.78	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.962	5.78	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.204	5.78	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0486	1.16	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0369	1.16	PQL	ng/Kg	
SL-104-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.537	5.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.139	5.49	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0654	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.137	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.150	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.128	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.151	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.130	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.141	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.200	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.259	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.115	5.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.248	5.49	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0663	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0572	1.10	PQL	ng/Kg	
SL-105-SA5DN-SB-4.0-5.0	OCDD	JB	3.86	11.0	PQL	ng/Kg	J (all detects)
	OCDF	JBQ	0.201	11.0	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.414	5.33	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.567	5.33	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.664	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.71	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.461	5.33	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.60	5.33	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.862	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.551	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.560	5.33	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.413	5.33	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.551	5.33	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.112	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.254	1.07	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-106-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.21	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.630	5.53	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0673	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0437	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0878	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.435	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0950	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.624	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.676	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.165	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.248	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.110	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.163	5.53	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0517	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0466	1.11	PQL	ng/Kg	
	OCDF	JB	1.54	11.1	PQL	ng/Kg	
SL-106-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.548	5.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.119	5.49	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.140	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0470	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0324	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0543	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0610	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0713	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.126	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0503	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0692	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0856	5.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.111	5.49	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0339	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0438	1.10	PQL	ng/Kg	
	OCDD	JB	2.78	11.0	PQL	ng/Kg	
	OCDF	JB	0.405	11.0	PQL	ng/Kg	
SL-107-SA5DN-SB-3.5-4.5	1,2,3,4,6,7,8-HPCDD	JB	0.773	5.43	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.204	5.43	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.180	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0547	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0876	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0853	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0667	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.108	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.190	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0632	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0775	5.43	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.109	5.43	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0976	5.43	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0461	1.09	PQL	ng/Kg	
	OCDD	JB	5.43	10.9	PQL	ng/Kg	
	OCDF	JBQ	0.649	10.9	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-109-SA5DN-SB-3.5-4.5	1,2,3,4,6,7,8-HPCDD	JB	0.756	5.10	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.134	5.10	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0490	5.10	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0229	5.10	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0358	5.10	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0440	5.10	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0197	5.10	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0495	5.10	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0541	5.10	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0277	5.10	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0699	5.10	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0526	5.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0332	1.02	PQL	ng/Kg	
	OCDD	JB	6.83	10.2	PQL	ng/Kg	
	OCDF	JB	0.351	10.2	PQL	ng/Kg	
SL-110-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	3.41	5.42	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.434	5.42	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0908	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0274	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0707	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.161	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0488	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.120	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0529	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0457	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0436	5.42	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0970	5.42	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0858	5.42	PQL	ng/Kg	
	OCDF	JB	1.23	10.8	PQL	ng/Kg	
SL-115-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.763	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.151	5.62	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0702	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0414	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0468	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0789	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0575	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.144	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.194	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0574	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0752	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0830	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0652	5.62	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0520	1.12	PQL	ng/Kg	
	OCDD	JB	2.18	11.2	PQL	ng/Kg	
	OCDF	JB	0.229	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX105

Laboratory: LL

EDD Filename: DX105_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-122-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.575	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.149	5.61	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0582	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0562	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.110	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0980	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0641	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.184	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.221	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0703	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.116	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.130	5.61	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.124	5.61	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0484	1.12	PQL	ng/Kg	
	OCDD	JB	2.46	11.2	PQL	ng/Kg	
	OCDF	JBQ	0.406	11.2	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX106

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
27-June-2011	SL-077-SA5DN-SB-9.0-10.0	6329382	N	METHOD	1613B	III
27-June-2011	SL-078-SA5DN-SB-4.0-5.0	6329383	N	METHOD	1613B	III
27-June-2011	SL-078-SA5DN-SB-9.0-10.0	6329384	N	METHOD	1613B	III
27-June-2011	SL-085-SA5DN-SB-2.5-3.5	6329385	N	METHOD	1613B	III
27-June-2011	SL-123-SA5DN-SB-2.5-3.5	6329386	N	METHOD	1613B	III
27-June-2011	SL-077-SA5DN-SB-4.0-5.0	6329381	N	METHOD	1613B	III
28-June-2011	SL-141-SA5DN-SB-4.0-5.0	6331392	N	METHOD	1613B	III
28-June-2011	SL-116-SA5DN-SB-2.0-3.0	6331387	N	METHOD	1613B	III
28-June-2011	SL-116-SA5DN-SB-2.0-3.0MS	6331388	MS	METHOD	1613B	III
28-June-2011	SL-116-SA5DN-SB-2.0-3.0MSD	6331389	MSD	METHOD	1613B	III
28-June-2011	SL-132-SA5DN-SB-4.0-5.0	6331391	N	METHOD	1613B	III
28-June-2011	SL-143-SA5DN-SB-4.0-5.0	6331393	N	METHOD	1613B	III
28-June-2011	DUP18-SA5DN-QC-062811	6331394	FD	METHOD	1613B	III
28-June-2011	SL-131-SA5DN-SB-3.5-4.5	6331390	N	METHOD	1613B	III
29-June-2011	EB20-SA5DN-SB-062911	6332126	EB	METHOD	1613B	III
29-June-2011	SL-128-SA5DN-SB-4.0-5.0	6332119	N	METHOD	1613B	III
29-June-2011	SL-129-SA5DN-SB-2.5-3.5	6332120	N	METHOD	1613B	III
29-June-2011	SL-152-SA5DN-SB-2.5-3.5	6332121	N	METHOD	1613B	III
29-June-2011	SL-154-SA5DN-SB-4.0-5.0	6332122	N	METHOD	1613B	III
29-June-2011	SL-154-SA5DN-SB-9.0-10.0	6332123	N	METHOD	1613B	III
29-June-2011	SL-165-SA5DN-SB-4.0-5.0	6332124	N	METHOD	1613B	III
29-June-2011	SL-165-SA5DN-SB-9.0-10.0	6332125	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA		
Method:	1613B	Matrix:	AQ

Sample ID: EB20-SA5DN-SB-062911	Collected: 6/29/2011 11:00:00		Analysis Type: RES		Dilution: 1				
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	5.13	JB	0.366	MDL	10.2	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	2.59	JB	0.139	MDL	10.2	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.596	JBQ	0.174	MDL	10.2	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.420	JB	0.178	MDL	10.2	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	0.495	JB	0.221	MDL	10.2	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.492	JBQ	0.165	MDL	10.2	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.247	JB	0.214	MDL	10.2	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.506	JB	0.187	MDL	10.2	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.292	JBQ	0.136	MDL	10.2	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.708	JB	0.160	MDL	10.2	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.743	JBQ	0.124	MDL	10.2	PQL	pg/L	U	B
OCDD	10.0	JB	0.292	MDL	20.4	PQL	pg/L	U	B
OCDF	2.18	JBQ	0.383	MDL	20.4	PQL	pg/L	U	B

Method Category:	SVOA		
Method:	1613B	Matrix:	SO

Sample ID: DUP18-SA5DN-QC-062811	Collected: 6/28/2011 9:55:00		Analysis Type: RES		Dilution: 1				
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.462	JBQ	0.0341	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0615	JBQ	0.00674	MDL	5.35	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8,9-HPCDF	0.0611	JBQ	0.0161	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0337	JQ	0.0223	MDL	5.35	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HXCDF	0.0240	JBQ	0.0145	MDL	5.35	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HXCDD	0.0752	JBQ	0.0224	MDL	5.35	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HXCDF	0.0285	JBQ	0.0117	MDL	5.35	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDD	0.102	JB	0.0229	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.106	JBQ	0.0193	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0338	JB	0.0238	MDL	5.35	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.0348	JBQ	0.0113	MDL	5.35	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HXCDF	0.0400	JB	0.0140	MDL	5.35	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.0394	JB	0.0122	MDL	5.35	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0280	U	0.0280	MDL	1.07	PQL	ng/Kg	UJ	FD

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:36:41 AM

ADR version 1.4.0.111

Page 1 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP18-SA5DN-QC-062811

Collected: 6/28/2011 9:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDF	0.0233	U	0.0233	MDL	1.07	PQL	ng/Kg	UJ	FD
OCDD	1.71	JB	0.0229	MDL	10.7	PQL	ng/Kg	U	B
OCDF	0.184	JB	0.0451	MDL	10.7	PQL	ng/Kg	U	B

Sample ID: SL-077-SA5DN-SB-4.0-5.0

Collected: 6/27/2011 10:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.34	JB	0.0505	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.315	JB	0.0170	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0567	JBQ	0.0283	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0755	JB	0.0197	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.103	JBQ	0.0271	MDL	5.86	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0681	JBQ	0.0169	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0958	JB	0.0260	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.133	JB	0.0240	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0683	JBQ	0.0192	MDL	5.86	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0756	JBQ	0.0185	MDL	5.86	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0784	JBQ	0.0182	MDL	5.86	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0530	J	0.0425	MDL	1.17	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0385	J	0.0330	MDL	1.17	PQL	ng/Kg	J	Z
OCDF	0.576	JB	0.0500	MDL	11.7	PQL	ng/Kg	U	B

Sample ID: SL-077-SA5DN-SB-9.0-10.0

Collected: 6/27/2011 10:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.993	JB	0.0278	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.224	JB	0.0100	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0211	JBQ	0.0159	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0377	JB	0.0134	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0727	JBQ	0.0195	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0394	JB	0.0117	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0695	JB	0.0195	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0610	JBQ	0.0161	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0353	JBQ	0.0233	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0232	JBQ	0.0118	MDL	5.97	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:36:41 AM

ADR version 1.4.0.111

Page 2 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-077-SA5DN-SB-9.0-10.0

Collected: 6/27/2011 10:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,6,7,8-HXCDF	0.0857	JB	0.0130	MDL	5.97	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0556	JBQ	0.0120	MDL	5.97	PQL	ng/Kg	U	B
OCDD	10.7	JB	0.0209	MDL	11.9	PQL	ng/Kg	J	Z
OCDF	0.307	JB	0.0297	MDL	11.9	PQL	ng/Kg	U	B

Sample ID: SL-078-SA5DN-SB-4.0-5.0

Collected: 6/27/2011 9:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.651	JB	0.0257	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.191	JBQ	0.00929	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0340	JBQ	0.0151	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0288	JBQ	0.0134	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0259	JBQ	0.0110	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0719	JBQ	0.0160	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0605	JBQ	0.0138	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0194	JBQ	0.00883	MDL	5.74	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0602	JBQ	0.00999	MDL	5.74	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0371	JBQ	0.00906	MDL	5.74	PQL	ng/Kg	U	B
OCDD	9.18	JB	0.0224	MDL	11.5	PQL	ng/Kg	J	Z
OCDF	0.325	JB	0.0302	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-078-SA5DN-SB-9.0-10.0

Collected: 6/27/2011 9:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	4.17	JB	0.0258	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.15	JB	0.00978	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.175	JB	0.0163	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.0378	J	0.0170	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0570	JB	0.0155	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.107	JB	0.0170	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0399	JBQ	0.0137	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0791	JB	0.0170	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0406	JBQ	0.0155	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0284	JBQ	0.0148	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0254	JBQ	0.00875	MDL	5.54	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:36:41 AM

ADR version 1.4.0.111

Page 3 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-078-SA5DN-SB-9.0-10.0

Collected: 6/27/2011 9:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,6,7,8-HXCDF	0.0729	JB	0.0144	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0403	JBQ	0.00852	MDL	5.54	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0182	JQ	0.0159	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	6.95	JB	0.0273	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-085-SA5DN-SB-2.5-3.5

Collected: 6/27/2011 9:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.17	JB	0.0171	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.132	JB	0.00594	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0368	JBQ	0.0117	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0217	JQ	0.0147	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0361	JB	0.00851	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0807	JB	0.0146	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0176	JBQ	0.00676	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0891	JB	0.0143	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0859	JB	0.0114	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0409	JBQ	0.0127	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0230	JBQ	0.00641	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0459	JBQ	0.00793	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0539	JB	0.00664	MDL	5.71	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0128	JQ	0.0119	MDL	1.14	PQL	ng/Kg	J	Z
OCDD	10.7	JB	0.0162	MDL	11.4	PQL	ng/Kg	J	Z
OCDF	0.257	JB	0.0191	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-116-SA5DN-SB-2.0-3.0

Collected: 6/28/2011 9:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.446	JB	0.0249	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.161	JB	0.00646	MDL	5.34	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8,9-HPCDF	0.0876	JB	0.0147	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0924	J	0.0188	MDL	5.34	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HXCDF	0.151	JB	0.0147	MDL	5.34	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HxCDD	0.180	JB	0.0191	MDL	5.34	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HXCDF	0.163	JB	0.0117	MDL	5.34	PQL	ng/Kg	J	Z, FD

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:36:41 AM

ADR version 1.4.0.111

Page 4 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-116-SA5DN-SB-2.0-3.0

Collected: 6/28/2011 9:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDD	0.143	JB	0.0185	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.142	JB	0.0177	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.173	JBQ	0.0193	MDL	5.34	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDF	0.208	JB	0.0105	MDL	5.34	PQL	ng/Kg	J	Z, FD
2,3,4,6,7,8-HXCDF	0.155	JB	0.0139	MDL	5.34	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.208	JB	0.0115	MDL	5.34	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0496	J	0.0220	MDL	1.07	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDF	0.0575	JQ	0.0163	MDL	1.07	PQL	ng/Kg	J	Z, FD
OCDD	1.36	JB	0.0198	MDL	10.7	PQL	ng/Kg	U	B
OCDF	0.177	JB	0.0404	MDL	10.7	PQL	ng/Kg	U	B

Sample ID: SL-123-SA5DN-SB-2.5-3.5

Collected: 6/27/2011 2:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.915	JB	0.0164	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.165	JB	0.00545	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0721	JB	0.0109	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0892	J	0.0141	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.105	JBQ	0.0103	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.131	JB	0.0137	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0927	JB	0.00802	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.121	JB	0.0128	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.115	JBQ	0.0118	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.106	JBQ	0.0127	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.124	JB	0.00578	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.104	JB	0.00845	MDL	5.34	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.156	JB	0.00610	MDL	5.34	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0449	J	0.0127	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0423	J	0.0109	MDL	1.07	PQL	ng/Kg	J	Z
OCDD	8.05	JB	0.0132	MDL	10.7	PQL	ng/Kg	J	Z
OCDF	0.294	JB	0.0178	MDL	10.7	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:36:41 AM

ADR version 1.4.0.111

Page 5 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-128-SA5DN-SB-4.0-5.0

Collected: 6/29/2011 11:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.628	JB	0.0326	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0656	JB	0.00695	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0461	JB	0.0206	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0292	JBQ	0.0155	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0565	JBQ	0.0209	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0247	JB	0.0116	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0767	JBQ	0.0188	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0169	JBQ	0.0114	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0555	JB	0.0145	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0578	JB	0.0121	MDL	5.72	PQL	ng/Kg	U	B
OCDD	2.32	JB	0.0272	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.183	JB	0.0599	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-129-SA5DN-SB-2.5-3.5

Collected: 6/29/2011 10:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.17	JB	0.0137	MDL	5.12	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.235	JB	0.0304	MDL	5.12	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.150	J	0.0397	MDL	5.12	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.160	JBQ	0.0289	MDL	5.12	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.560	JB	0.0391	MDL	5.12	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.154	JB	0.0244	MDL	5.12	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.394	JBQ	0.0401	MDL	5.12	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.111	JB	0.0383	MDL	5.12	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0956	JB	0.0365	MDL	5.12	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.190	JB	0.0189	MDL	5.12	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.167	JB	0.0270	MDL	5.12	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.124	JB	0.0186	MDL	5.12	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0376	JQ	0.0334	MDL	1.02	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0619	JQ	0.0436	MDL	1.02	PQL	ng/Kg	J	Z
OCDF	2.64	JB	0.0461	MDL	10.2	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:36:41 AM

ADR version 1.4.0.111

Page 6 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-131-SA5DN-SB-3.5-4.5

Collected: 6/28/2011 12:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.957	JB	0.0213	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.185	JB	0.00654	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0738	JBQ	0.0124	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.101	J	0.0177	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.142	JB	0.0134	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.125	JB	0.0180	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.129	JB	0.0112	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.175	JB	0.0177	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.117	JB	0.0176	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.221	JB	0.0188	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.243	JB	0.00891	MDL	5.58	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.125	JB	0.0133	MDL	5.58	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.229	JB	0.00891	MDL	5.58	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0711	JQ	0.0212	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0674	JQ	0.0177	MDL	1.12	PQL	ng/Kg	J	Z
OCDD	9.10	JB	0.0197	MDL	11.2	PQL	ng/Kg	J	Z
OCDF	0.296	JB	0.0223	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-132-SA5DN-SB-4.0-5.0

Collected: 6/28/2011 2:09:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.21	JB	0.0417	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.169	JB	0.0137	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0487	JBQ	0.0269	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.108	J	0.0246	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0838	JBQ	0.0191	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0925	JB	0.0244	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0707	JB	0.0152	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.106	JB	0.0250	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0958	JB	0.0238	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.133	JBQ	0.0290	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.123	JB	0.0144	MDL	5.52	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0899	JBQ	0.0175	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.150	JBQ	0.0145	MDL	5.52	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:36:41 AM

ADR version 1.4.0.111

Page 7 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-132-SA5DN-SB-4.0-5.0

Collected: 6/28/2011 2:09:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDD	0.0636	JQ	0.0342	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0371	JQ	0.0275	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	0.453	JB	0.0462	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-141-SA5DN-SB-4.0-5.0

Collected: 6/28/2011 2:48:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.41	JB	0.0596	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.514	JQ	0.0634	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.480	JB	0.0406	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.40	JB	0.0661	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.453	JB	0.0325	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.23	JB	0.0652	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.181	JB	0.0577	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.260	JB	0.0516	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.511	JB	0.0284	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.676	JB	0.0393	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.220	JB	0.0311	MDL	5.38	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0490	JQ	0.0334	MDL	1.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.241	J	0.0692	MDL	1.08	PQL	ng/Kg	J	Z

Sample ID: SL-143-SA5DN-SB-4.0-5.0

Collected: 6/28/2011 3:19:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.609	JB	0.0456	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0953	JB	0.00923	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0341	JBQ	0.0244	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0267	JB	0.0161	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0663	JBQ	0.0278	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0200	JBQ	0.0123	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0897	JBQ	0.0278	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0469	JBQ	0.0220	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0727	JBQ	0.0278	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0602	JBQ	0.0146	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0603	JB	0.0142	MDL	5.66	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:36:41 AM

ADR version 1.4.0.111

Page 8 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-143-SA5DN-SB-4.0-5.0

Collected: 6/28/2011 3:19:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDD	2.42	JB	0.0296	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.154	JB	0.0722	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-152-SA5DN-SB-2.5-3.5

Collected: 6/29/2011 9:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.662	JB	0.244	MDL	5.28	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.146	JBQ	0.0496	MDL	5.28	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.140	JB	0.0914	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.275	JBQ	0.151	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.186	JB	0.0693	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.291	JB	0.160	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.245	JBQ	0.202	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.177	JBQ	0.0864	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.206	JBQ	0.0880	MDL	5.28	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.270	JBQ	0.0914	MDL	5.28	PQL	ng/Kg	U	B
OCDD	1.04	JBQ	0.144	MDL	10.6	PQL	ng/Kg	U	B

Sample ID: SL-154-SA5DN-SB-4.0-5.0

Collected: 6/29/2011 7:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.504	JB	0.0331	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.121	JB	0.00810	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0586	JBQ	0.0229	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0935	JQ	0.0241	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0927	JB	0.0186	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.109	JBQ	0.0234	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.112	JB	0.0145	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.133	JBQ	0.0239	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.138	JB	0.0273	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.122	JB	0.0251	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.180	JB	0.0131	MDL	5.45	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.111	JBQ	0.0172	MDL	5.45	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.176	JB	0.0148	MDL	5.45	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0636	J	0.0299	MDL	1.09	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:36:41 AM

ADR version 1.4.0.111

Page 9 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-154-SA5DN-SB-4.0-5.0

Collected: 6/29/2011 7:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDF	0.0308	J	0.0270	MDL	1.09	PQL	ng/Kg	J	Z
OCDD	1.88	JB	0.0223	MDL	10.9	PQL	ng/Kg	U	B
OCDF	0.334	JBQ	0.0597	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-154-SA5DN-SB-9.0-10.0

Collected: 6/29/2011 7:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.519	JBQ	0.0348	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0940	JB	0.00805	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0212	JBQ	0.0207	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0564	J	0.0218	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.0699	JB	0.0160	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0826	JBQ	0.0223	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0728	JBQ	0.0128	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0792	JB	0.0219	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0867	JB	0.0231	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.119	JBQ	0.0267	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.136	JB	0.0124	MDL	5.64	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0716	JBQ	0.0159	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.128	JB	0.0134	MDL	5.64	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0563	J	0.0319	MDL	1.13	PQL	ng/Kg	J	Z
OCDD	1.04	JB	0.0236	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.170	JBQ	0.0523	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-165-SA5DN-SB-4.0-5.0

Collected: 6/29/2011 2:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.918	JB	0.0375	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.156	JB	0.00824	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0308	JBQ	0.0190	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0388	JQ	0.0212	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.0521	JB	0.0148	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0269	JBQ	0.0212	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0282	JBQ	0.0119	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0526	JBQ	0.0217	MDL	5.47	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:36:42 AM

ADR version 1.4.0.111

Page 10 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-165-SA5DN-SB-4.0-5.0

Collected: 6/29/2011 2:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	0.0206	JB	0.0204	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0146	JB	0.0120	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0657	JBQ	0.0137	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0435	JB	0.0128	MDL	5.47	PQL	ng/Kg	U	B
OCDD	3.79	JB	0.0227	MDL	10.9	PQL	ng/Kg	J	Z
OCDF	0.355	JBQ	0.0475	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-165-SA5DN-SB-9.0-10.0

Collected: 6/29/2011 2:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.343	JB	0.0511	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.171	J	0.0465	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.341	JB	0.0358	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.850	JB	0.0483	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.276	JB	0.0369	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.431	JB	0.0486	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.115	JBQ	0.0446	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.191	JBQ	0.0400	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.359	JBQ	0.0430	MDL	5.30	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.386	JB	0.0363	MDL	5.30	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.548	JB	0.0403	MDL	5.30	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0546	JQ	0.0429	MDL	1.06	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:36:42 AM

ADR version 1.4.0.111

Page 11 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*#	Professional Judgment
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Laboratory Triplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:36:42 AM

ADR version 1.4.0.111

Page 12 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Laboratory Triplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:36:42 AM

ADR version 1.4.0.111

Page 13 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Q	Matrix Spike Upper Rejection
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:36:42 AM

ADR version 1.4.0.111

Page 14 of 14

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX106

Method Blank Outlier Report

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1860B370312	7/8/2011 3:12:00 AM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD OCDD OCDF	5.77 pg/L 3.35 pg/L 1.08 pg/L 0.514 pg/L 0.682 pg/L 0.924 pg/L 0.769 pg/L 0.771 pg/L 1.09 pg/L 0.288 pg/L 0.586 pg/L 1.21 pg/L 1.01 pg/L 0.502 pg/L 11.0 pg/L 3.55 pg/L	EB20-SA5DN-SB-062911

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
EB20-SA5DN-SB-062911(RES)	1,2,3,4,6,7,8-HPCDD	5.13 pg/L	5.13U pg/L
EB20-SA5DN-SB-062911(RES)	1,2,3,4,6,7,8-HPCDF	2.59 pg/L	2.59U pg/L
EB20-SA5DN-SB-062911(RES)	1,2,3,4,7,8,9-HPCDF	0.596 pg/L	0.596U pg/L
EB20-SA5DN-SB-062911(RES)	1,2,3,4,7,8-HxCDF	0.420 pg/L	0.420U pg/L
EB20-SA5DN-SB-062911(RES)	1,2,3,6,7,8-HxCDD	0.495 pg/L	0.495U pg/L
EB20-SA5DN-SB-062911(RES)	1,2,3,6,7,8-HxCDF	0.492 pg/L	0.492U pg/L
EB20-SA5DN-SB-062911(RES)	1,2,3,7,8,9-HxCDD	0.247 pg/L	0.247U pg/L
EB20-SA5DN-SB-062911(RES)	1,2,3,7,8,9-HxCDF	0.506 pg/L	0.506U pg/L
EB20-SA5DN-SB-062911(RES)	1,2,3,7,8-PECDF	0.292 pg/L	0.292U pg/L
EB20-SA5DN-SB-062911(RES)	2,3,4,6,7,8-HxCDF	0.708 pg/L	0.708U pg/L
EB20-SA5DN-SB-062911(RES)	2,3,4,7,8-PECDF	0.743 pg/L	0.743U pg/L
EB20-SA5DN-SB-062911(RES)	OCDD	10.0 pg/L	10.0U pg/L
EB20-SA5DN-SB-062911(RES)	OCDF	2.18 pg/L	2.18U pg/L

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:35:15 AM

ADR version 1.4.0.111

Page 1 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1920B371327	7/13/2011 1:27:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HXCDF 1,2,3,6,7,8-HXCDD 1,2,3,6,7,8-HXCDF 1,2,3,7,8,9-HXCDD 1,2,3,7,8,9-HXCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HXCDF 2,3,4,7,8-PECDF OCDD OCDF	0.357 ng/Kg 0.108 ng/Kg 0.0302 ng/Kg 0.0231 ng/Kg 0.0165 ng/Kg 0.0279 ng/Kg 0.0415 ng/Kg 0.0363 ng/Kg 0.0276 ng/Kg 0.0203 ng/Kg 0.0544 ng/Kg 0.0649 ng/Kg 0.715 ng/Kg 0.189 ng/Kg	DUP18-SA5DN-QC-062811 SL-077-SA5DN-SB-4.0-5.0 SL-077-SA5DN-SB-9.0-10.0 SL-078-SA5DN-SB-4.0-5.0 SL-078-SA5DN-SB-9.0-10.0 SL-085-SA5DN-SB-2.5-3.5 SL-116-SA5DN-SB-2.0-3.0 SL-123-SA5DN-SB-2.5-3.5 SL-128-SA5DN-SB-4.0-5.0 SL-129-SA5DN-SB-2.5-3.5 SL-131-SA5DN-SB-3.5-4.5 SL-132-SA5DN-SB-4.0-5.0 SL-141-SA5DN-SB-4.0-5.0 SL-143-SA5DN-SB-4.0-5.0 SL-152-SA5DN-SB-2.5-3.5 SL-154-SA5DN-SB-4.0-5.0 SL-154-SA5DN-SB-9.0-10.0 SL-165-SA5DN-SB-4.0-5.0 SL-165-SA5DN-SB-9.0-10.0

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP18-SA5DN-QC-062811(RES)	1,2,3,4,6,7,8-HPCDD	0.462 ng/Kg	0.462U ng/Kg
DUP18-SA5DN-QC-062811(RES)	1,2,3,4,6,7,8-HPCDF	0.0615 ng/Kg	0.0615U ng/Kg
DUP18-SA5DN-QC-062811(RES)	1,2,3,4,7,8,9-HPCDF	0.0611 ng/Kg	0.0611U ng/Kg
DUP18-SA5DN-QC-062811(RES)	1,2,3,4,7,8-HXCDF	0.0240 ng/Kg	0.0240U ng/Kg
DUP18-SA5DN-QC-062811(RES)	1,2,3,6,7,8-HXCDD	0.0752 ng/Kg	0.0752U ng/Kg
DUP18-SA5DN-QC-062811(RES)	1,2,3,6,7,8-HXCDF	0.0285 ng/Kg	0.0285U ng/Kg
DUP18-SA5DN-QC-062811(RES)	1,2,3,7,8,9-HXCDD	0.102 ng/Kg	0.102U ng/Kg
DUP18-SA5DN-QC-062811(RES)	1,2,3,7,8,9-HXCDF	0.106 ng/Kg	0.106U ng/Kg
DUP18-SA5DN-QC-062811(RES)	1,2,3,7,8-PECDD	0.0338 ng/Kg	0.0338U ng/Kg
DUP18-SA5DN-QC-062811(RES)	1,2,3,7,8-PECDF	0.0348 ng/Kg	0.0348U ng/Kg
DUP18-SA5DN-QC-062811(RES)	2,3,4,6,7,8-HXCDF	0.0400 ng/Kg	0.0400U ng/Kg
DUP18-SA5DN-QC-062811(RES)	2,3,4,7,8-PECDF	0.0394 ng/Kg	0.0394U ng/Kg
DUP18-SA5DN-QC-062811(RES)	OCDD	1.71 ng/Kg	1.71U ng/Kg
DUP18-SA5DN-QC-062811(RES)	OCDF	0.184 ng/Kg	0.184U ng/Kg
SL-077-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.34 ng/Kg	1.34U ng/Kg
SL-077-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.315 ng/Kg	0.315U ng/Kg
SL-077-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0567 ng/Kg	0.0567U ng/Kg
SL-077-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0755 ng/Kg	0.0755U ng/Kg
SL-077-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0681 ng/Kg	0.0681U ng/Kg
SL-077-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0958 ng/Kg	0.0958U ng/Kg
SL-077-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.133 ng/Kg	0.133U ng/Kg
SL-077-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0683 ng/Kg	0.0683U ng/Kg
SL-077-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0756 ng/Kg	0.0756U ng/Kg
SL-077-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0784 ng/Kg	0.0784U ng/Kg
SL-077-SA5DN-SB-4.0-5.0(RES)	OCDF	0.576 ng/Kg	0.576U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:35:15 AM

ADR version 1.4.0.111

Page 2 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-077-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.993 ng/Kg	0.993U ng/Kg
SL-077-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.224 ng/Kg	0.224U ng/Kg
SL-077-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0211 ng/Kg	0.0211U ng/Kg
SL-077-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0377 ng/Kg	0.0377U ng/Kg
SL-077-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0727 ng/Kg	0.0727U ng/Kg
SL-077-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0394 ng/Kg	0.0394U ng/Kg
SL-077-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0695 ng/Kg	0.0695U ng/Kg
SL-077-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0610 ng/Kg	0.0610U ng/Kg
SL-077-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0353 ng/Kg	0.0353U ng/Kg
SL-077-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0232 ng/Kg	0.0232U ng/Kg
SL-077-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0857 ng/Kg	0.0857U ng/Kg
SL-077-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0556 ng/Kg	0.0556U ng/Kg
SL-077-SA5DN-SB-9.0-10.0(RES)	OCDF	0.307 ng/Kg	0.307U ng/Kg
SL-078-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.651 ng/Kg	0.651U ng/Kg
SL-078-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.191 ng/Kg	0.191U ng/Kg
SL-078-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0340 ng/Kg	0.0340U ng/Kg
SL-078-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0288 ng/Kg	0.0288U ng/Kg
SL-078-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0259 ng/Kg	0.0259U ng/Kg
SL-078-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0719 ng/Kg	0.0719U ng/Kg
SL-078-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0605 ng/Kg	0.0605U ng/Kg
SL-078-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0194 ng/Kg	0.0194U ng/Kg
SL-078-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0602 ng/Kg	0.0602U ng/Kg
SL-078-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0371 ng/Kg	0.0371U ng/Kg
SL-078-SA5DN-SB-4.0-5.0(RES)	OCDF	0.325 ng/Kg	0.325U ng/Kg
SL-078-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0570 ng/Kg	0.0570U ng/Kg
SL-078-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0399 ng/Kg	0.0399U ng/Kg
SL-078-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0791 ng/Kg	0.0791U ng/Kg
SL-078-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0406 ng/Kg	0.0406U ng/Kg
SL-078-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0284 ng/Kg	0.0284U ng/Kg
SL-078-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0254 ng/Kg	0.0254U ng/Kg
SL-078-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0729 ng/Kg	0.0729U ng/Kg
SL-078-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0403 ng/Kg	0.0403U ng/Kg
SL-085-SA5DN-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDD	1.17 ng/Kg	1.17U ng/Kg
SL-085-SA5DN-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDF	0.132 ng/Kg	0.132U ng/Kg
SL-085-SA5DN-SB-2.5-3.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0368 ng/Kg	0.0368U ng/Kg
SL-085-SA5DN-SB-2.5-3.5(RES)	1,2,3,4,7,8-HXCDF	0.0361 ng/Kg	0.0361U ng/Kg
SL-085-SA5DN-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDD	0.0807 ng/Kg	0.0807U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:35:15 AM

ADR version 1.4.0.111

Page 3 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-085-SA5DN-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDF	0.0176 ng/Kg	0.0176U ng/Kg
SL-085-SA5DN-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDD	0.0891 ng/Kg	0.0891U ng/Kg
SL-085-SA5DN-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDF	0.0859 ng/Kg	0.0859U ng/Kg
SL-085-SA5DN-SB-2.5-3.5(RES)	1,2,3,7,8-PECDD	0.0409 ng/Kg	0.0409U ng/Kg
SL-085-SA5DN-SB-2.5-3.5(RES)	1,2,3,7,8-PECDF	0.0230 ng/Kg	0.0230U ng/Kg
SL-085-SA5DN-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.0459 ng/Kg	0.0459U ng/Kg
SL-085-SA5DN-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.0539 ng/Kg	0.0539U ng/Kg
SL-085-SA5DN-SB-2.5-3.5(RES)	OCDF	0.257 ng/Kg	0.257U ng/Kg
SL-116-SA5DN-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDD	0.446 ng/Kg	0.446U ng/Kg
SL-116-SA5DN-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.161 ng/Kg	0.161U ng/Kg
SL-116-SA5DN-SB-2.0-3.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0876 ng/Kg	0.0876U ng/Kg
SL-116-SA5DN-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDD	0.143 ng/Kg	0.143U ng/Kg
SL-116-SA5DN-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDF	0.142 ng/Kg	0.142U ng/Kg
SL-116-SA5DN-SB-2.0-3.0(RES)	2,3,4,6,7,8-HXCDF	0.155 ng/Kg	0.155U ng/Kg
SL-116-SA5DN-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.208 ng/Kg	0.208U ng/Kg
SL-116-SA5DN-SB-2.0-3.0(RES)	OCDD	1.36 ng/Kg	1.36U ng/Kg
SL-116-SA5DN-SB-2.0-3.0(RES)	OCDF	0.177 ng/Kg	0.177U ng/Kg
SL-123-SA5DN-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDD	0.915 ng/Kg	0.915U ng/Kg
SL-123-SA5DN-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDF	0.165 ng/Kg	0.165U ng/Kg
SL-123-SA5DN-SB-2.5-3.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0721 ng/Kg	0.0721U ng/Kg
SL-123-SA5DN-SB-2.5-3.5(RES)	1,2,3,4,7,8-HXCDF	0.105 ng/Kg	0.105U ng/Kg
SL-123-SA5DN-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDF	0.0927 ng/Kg	0.0927U ng/Kg
SL-123-SA5DN-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDD	0.121 ng/Kg	0.121U ng/Kg
SL-123-SA5DN-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDF	0.115 ng/Kg	0.115U ng/Kg
SL-123-SA5DN-SB-2.5-3.5(RES)	1,2,3,7,8-PECDD	0.106 ng/Kg	0.106U ng/Kg
SL-123-SA5DN-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.104 ng/Kg	0.104U ng/Kg
SL-123-SA5DN-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.156 ng/Kg	0.156U ng/Kg
SL-123-SA5DN-SB-2.5-3.5(RES)	OCDF	0.294 ng/Kg	0.294U ng/Kg
SL-128-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.628 ng/Kg	0.628U ng/Kg
SL-128-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0656 ng/Kg	0.0656U ng/Kg
SL-128-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0461 ng/Kg	0.0461U ng/Kg
SL-128-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0292 ng/Kg	0.0292U ng/Kg
SL-128-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0565 ng/Kg	0.0565U ng/Kg
SL-128-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0247 ng/Kg	0.0247U ng/Kg
SL-128-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0767 ng/Kg	0.0767U ng/Kg
SL-128-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0169 ng/Kg	0.0169U ng/Kg
SL-128-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0555 ng/Kg	0.0555U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:35:15 AM

ADR version 1.4.0.111

Page 4 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-128-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0578 ng/Kg	0.0578U ng/Kg
SL-128-SA5DN-SB-4.0-5.0(RES)	OCDD	2.32 ng/Kg	2.32U ng/Kg
SL-128-SA5DN-SB-4.0-5.0(RES)	OCDF	0.183 ng/Kg	0.183U ng/Kg
SL-129-SA5DN-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDF	0.111 ng/Kg	0.111U ng/Kg
SL-129-SA5DN-SB-2.5-3.5(RES)	1,2,3,7,8-PECDD	0.0956 ng/Kg	0.0956U ng/Kg
SL-129-SA5DN-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.167 ng/Kg	0.167U ng/Kg
SL-129-SA5DN-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.124 ng/Kg	0.124U ng/Kg
SL-131-SA5DN-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDD	0.957 ng/Kg	0.957U ng/Kg
SL-131-SA5DN-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDF	0.185 ng/Kg	0.185U ng/Kg
SL-131-SA5DN-SB-3.5-4.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0738 ng/Kg	0.0738U ng/Kg
SL-131-SA5DN-SB-3.5-4.5(RES)	1,2,3,6,7,8-HXCDF	0.129 ng/Kg	0.129U ng/Kg
SL-131-SA5DN-SB-3.5-4.5(RES)	1,2,3,7,8,9-HXCDD	0.175 ng/Kg	0.175U ng/Kg
SL-131-SA5DN-SB-3.5-4.5(RES)	1,2,3,7,8,9-HXCDF	0.117 ng/Kg	0.117U ng/Kg
SL-131-SA5DN-SB-3.5-4.5(RES)	2,3,4,6,7,8-HXCDF	0.125 ng/Kg	0.125U ng/Kg
SL-131-SA5DN-SB-3.5-4.5(RES)	2,3,4,7,8-PECDF	0.229 ng/Kg	0.229U ng/Kg
SL-131-SA5DN-SB-3.5-4.5(RES)	OCDF	0.296 ng/Kg	0.296U ng/Kg
SL-132-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.21 ng/Kg	1.21U ng/Kg
SL-132-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.169 ng/Kg	0.169U ng/Kg
SL-132-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0487 ng/Kg	0.0487U ng/Kg
SL-132-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0838 ng/Kg	0.0838U ng/Kg
SL-132-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0707 ng/Kg	0.0707U ng/Kg
SL-132-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.106 ng/Kg	0.106U ng/Kg
SL-132-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0958 ng/Kg	0.0958U ng/Kg
SL-132-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.133 ng/Kg	0.133U ng/Kg
SL-132-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0899 ng/Kg	0.0899U ng/Kg
SL-132-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.150 ng/Kg	0.150U ng/Kg
SL-132-SA5DN-SB-4.0-5.0(RES)	OCDF	0.453 ng/Kg	0.453U ng/Kg
SL-141-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.181 ng/Kg	0.181U ng/Kg
SL-141-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.220 ng/Kg	0.220U ng/Kg
SL-143-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.609 ng/Kg	0.609U ng/Kg
SL-143-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0953 ng/Kg	0.0953U ng/Kg
SL-143-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0341 ng/Kg	0.0341U ng/Kg
SL-143-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0267 ng/Kg	0.0267U ng/Kg
SL-143-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0663 ng/Kg	0.0663U ng/Kg
SL-143-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0200 ng/Kg	0.0200U ng/Kg
SL-143-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0897 ng/Kg	0.0897U ng/Kg
SL-143-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0469 ng/Kg	0.0469U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:35:15 AM

ADR version 1.4.0.111

Page 5 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-143-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0727 ng/Kg	0.0727U ng/Kg
SL-143-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0602 ng/Kg	0.0602U ng/Kg
SL-143-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0603 ng/Kg	0.0603U ng/Kg
SL-143-SA5DN-SB-4.0-5.0(RES)	OCDD	2.42 ng/Kg	2.42U ng/Kg
SL-143-SA5DN-SB-4.0-5.0(RES)	OCDF	0.154 ng/Kg	0.154U ng/Kg
SL-152-SA5DN-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDD	0.662 ng/Kg	0.662U ng/Kg
SL-152-SA5DN-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDF	0.146 ng/Kg	0.146U ng/Kg
SL-152-SA5DN-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.206 ng/Kg	0.206U ng/Kg
SL-152-SA5DN-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.270 ng/Kg	0.270U ng/Kg
SL-152-SA5DN-SB-2.5-3.5(RES)	OCDD	1.04 ng/Kg	1.04U ng/Kg
SL-154-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.504 ng/Kg	0.504U ng/Kg
SL-154-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.121 ng/Kg	0.121U ng/Kg
SL-154-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0586 ng/Kg	0.0586U ng/Kg
SL-154-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0927 ng/Kg	0.0927U ng/Kg
SL-154-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.112 ng/Kg	0.112U ng/Kg
SL-154-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.133 ng/Kg	0.133U ng/Kg
SL-154-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.138 ng/Kg	0.138U ng/Kg
SL-154-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.122 ng/Kg	0.122U ng/Kg
SL-154-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.111 ng/Kg	0.111U ng/Kg
SL-154-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.176 ng/Kg	0.176U ng/Kg
SL-154-SA5DN-SB-4.0-5.0(RES)	OCDD	1.88 ng/Kg	1.88U ng/Kg
SL-154-SA5DN-SB-4.0-5.0(RES)	OCDF	0.334 ng/Kg	0.334U ng/Kg
SL-154-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.519 ng/Kg	0.519U ng/Kg
SL-154-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0940 ng/Kg	0.0940U ng/Kg
SL-154-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0212 ng/Kg	0.0212U ng/Kg
SL-154-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0699 ng/Kg	0.0699U ng/Kg
SL-154-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0728 ng/Kg	0.0728U ng/Kg
SL-154-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0792 ng/Kg	0.0792U ng/Kg
SL-154-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0867 ng/Kg	0.0867U ng/Kg
SL-154-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.119 ng/Kg	0.119U ng/Kg
SL-154-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0716 ng/Kg	0.0716U ng/Kg
SL-154-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.128 ng/Kg	0.128U ng/Kg
SL-154-SA5DN-SB-9.0-10.0(RES)	OCDD	1.04 ng/Kg	1.04U ng/Kg
SL-154-SA5DN-SB-9.0-10.0(RES)	OCDF	0.170 ng/Kg	0.170U ng/Kg
SL-165-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.918 ng/Kg	0.918U ng/Kg
SL-165-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.156 ng/Kg	0.156U ng/Kg
SL-165-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0308 ng/Kg	0.0308U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:35:15 AM

ADR version 1.4.0.111

Page 6 of 7

Method Blank Outlier Report

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
---------------------------	---------------	---------	--------	-----------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-165-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0521 ng/Kg	0.0521U ng/Kg
SL-165-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0269 ng/Kg	0.0269U ng/Kg
SL-165-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0282 ng/Kg	0.0282U ng/Kg
SL-165-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0526 ng/Kg	0.0526U ng/Kg
SL-165-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0206 ng/Kg	0.0206U ng/Kg
SL-165-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0146 ng/Kg	0.0146U ng/Kg
SL-165-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0657 ng/Kg	0.0657U ng/Kg
SL-165-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0435 ng/Kg	0.0435U ng/Kg
SL-165-SA5DN-SB-4.0-5.0(RES)	OCDF	0.355 ng/Kg	0.355U ng/Kg
SL-165-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.115 ng/Kg	0.115U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:35:15 AM

ADR version 1.4.0.111

Page 7 of 7

Field Duplicate RPD Report

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-116-SA5DN-SB-2.0-3.0	DUP18-SA5DN-QC-062811			
MOISTURE	7.1	8.0	12		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-116-SA5DN-SB-2.0-3.0	DUP18-SA5DN-QC-062811			
1,2,3,4,6,7,8-HPCDD	0.446	0.462	4	50.00	No Qualifiers Applied
1,2,3,4,7,8,9-HPCDF	0.0876	0.0611	36	50.00	
1,2,3,7,8,9-HXCDD	0.143	0.102	33	50.00	
1,2,3,7,8,9-HXCDF	0.142	0.106	29	50.00	
OCDD	1.36	1.71	23	50.00	
OCDF	0.177	0.184	4	50.00	J(all detects) UJ(all non-detects)
1,2,3,4,6,7,8-HPCDF	0.161	0.0615	89	50.00	
1,2,3,4,7,8-HxCDD	0.0924	0.0337	93	50.00	
1,2,3,4,7,8-HXCDF	0.151	0.0240	145	50.00	
1,2,3,6,7,8-HXCDD	0.180	0.0752	82	50.00	
1,2,3,6,7,8-HXCDF	0.163	0.0285	140	50.00	
1,2,3,7,8-PECDD	0.173	0.0338	135	50.00	
1,2,3,7,8-PECDF	0.208	0.0348	143	50.00	
2,3,4,6,7,8-HXCDF	0.155	0.0400	118	50.00	
2,3,4,7,8-PECDF	0.208	0.0394	136	50.00	
2,3,7,8-TCDD	0.0496	1.07 U	200	50.00	
2,3,7,8-TCDF	0.0575	1.07 U	200	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB20-SA5DN-SB-062911	1,2,3,4,6,7,8-HPCDD	JB	5.13	10.2	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	2.59	10.2	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.596	10.2	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JB	0.420	10.2	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JB	0.495	10.2	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.492	10.2	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JB	0.247	10.2	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JB	0.506	10.2	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.292	10.2	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JB	0.708	10.2	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.743	10.2	PQL	pg/L	
	OCDD	JB	10.0	20.4	PQL	pg/L	
	OCDF	JBQ	2.18	20.4	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP18-SA5DN-QC-062811	1,2,3,4,6,7,8-HPCDD	JBQ	0.462	5.35	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0615	5.35	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0611	5.35	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0337	5.35	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0240	5.35	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0752	5.35	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0285	5.35	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.102	5.35	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.106	5.35	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0338	5.35	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0348	5.35	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0400	5.35	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0394	5.35	PQL	ng/Kg	
	OCDD	JB	1.71	10.7	PQL	ng/Kg	
	OCDF	JB	0.184	10.7	PQL	ng/Kg	
SL-077-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.34	5.86	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.315	5.86	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0567	5.86	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0755	5.86	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.103	5.86	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0681	5.86	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0958	5.86	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.133	5.86	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0683	5.86	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0756	5.86	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0784	5.86	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0530	1.17	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0385	1.17	PQL	ng/Kg	
	OCDF	JB	0.576	11.7	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-077-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.993	5.97	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.224	5.97	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0211	5.97	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0377	5.97	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0727	5.97	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0394	5.97	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0695	5.97	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0610	5.97	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0353	5.97	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0232	5.97	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0857	5.97	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0556	5.97	PQL	ng/Kg	
	OCDD	JB	10.7	11.9	PQL	ng/Kg	
	OCDF	JB	0.307	11.9	PQL	ng/Kg	
SL-078-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.651	5.74	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.191	5.74	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0340	5.74	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0288	5.74	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0259	5.74	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0719	5.74	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0605	5.74	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0194	5.74	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0602	5.74	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0371	5.74	PQL	ng/Kg	
	OCDD	JB	9.18	11.5	PQL	ng/Kg	
	OCDF	JB	0.325	11.5	PQL	ng/Kg	
SL-078-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	4.17	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.15	5.54	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.175	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0378	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0570	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.107	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0399	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0791	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0406	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0284	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0254	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0729	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0403	5.54	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0182	1.11	PQL	ng/Kg	
	OCDF	JB	6.95	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-085-SA5DN-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JB	1.17	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.132	5.71	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0368	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0217	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0361	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0807	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0176	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0891	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0859	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0409	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0230	5.71	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0459	5.71	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0539	5.71	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0128	1.14	PQL	ng/Kg	
	OCDD	JB	10.7	11.4	PQL	ng/Kg	
	OCDF	JB	0.257	11.4	PQL	ng/Kg	
SL-116-SA5DN-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JB	0.446	5.34	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.161	5.34	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0876	5.34	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0924	5.34	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.151	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.180	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.163	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.143	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.142	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.173	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.208	5.34	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.155	5.34	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.208	5.34	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0496	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0575	1.07	PQL	ng/Kg	
	OCDD	JB	1.36	10.7	PQL	ng/Kg	
	OCDF	JB	0.177	10.7	PQL	ng/Kg	
SL-123-SA5DN-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JB	0.915	5.34	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.165	5.34	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0721	5.34	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0892	5.34	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.105	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.131	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0927	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.121	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.115	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.106	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.124	5.34	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.104	5.34	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.156	5.34	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0449	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0423	1.07	PQL	ng/Kg	
	OCDD	JB	8.05	10.7	PQL	ng/Kg	
	OCDF	JB	0.294	10.7	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-128-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.628	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0656	5.72	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0461	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0292	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0565	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0247	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0767	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0169	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0555	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0578	5.72	PQL	ng/Kg	
	OCDD	JB	2.32	11.4	PQL	ng/Kg	
	OCDF	JB	0.183	11.4	PQL	ng/Kg	
SL-129-SA5DN-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDF	JB	1.17	5.12	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.235	5.12	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.150	5.12	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.160	5.12	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.560	5.12	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.154	5.12	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.394	5.12	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.111	5.12	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0956	5.12	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.190	5.12	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.167	5.12	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.124	5.12	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0376	1.02	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0619	1.02	PQL	ng/Kg	
	OCDF	JB	2.64	10.2	PQL	ng/Kg	
SL-131-SA5DN-SB-3.5-4.5	1,2,3,4,6,7,8-HPCDD	JB	0.957	5.58	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.185	5.58	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0738	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.101	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.142	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.125	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.129	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.175	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.117	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.221	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.243	5.58	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.125	5.58	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.229	5.58	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0711	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0674	1.12	PQL	ng/Kg	
	OCDD	JB	9.10	11.2	PQL	ng/Kg	
	OCDF	JB	0.296	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-132-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.21	5.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.169	5.52	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0487	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.108	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0838	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0925	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0707	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.106	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0958	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.133	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.123	5.52	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0899	5.52	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.150	5.52	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0636	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0371	1.10	PQL	ng/Kg	
	OCDF	JB	0.453	11.0	PQL	ng/Kg	
SL-141-SA5DN-SB-4.0-5.0	1,2,3,4,7,8,9-HPCDF	JB	1.41	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JQ	0.514	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.480	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.40	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.453	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.23	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.181	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.260	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.511	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.676	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.220	5.38	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0490	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.241	1.08	PQL	ng/Kg	
SL-143-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.609	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0953	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0341	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0267	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0663	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0200	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0897	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0469	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0727	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0602	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0603	5.66	PQL	ng/Kg	
	OCDD	JB	2.42	11.3	PQL	ng/Kg	
	OCDF	JB	0.154	11.3	PQL	ng/Kg	
SL-152-SA5DN-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JB	0.662	5.28	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.146	5.28	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.140	5.28	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.275	5.28	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.186	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.291	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.245	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.177	5.28	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.206	5.28	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.270	5.28	PQL	ng/Kg	
	OCDD	JBQ	1.04	10.6	PQL	ng/Kg	

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:36:27 AM

ADR version 1.4.0.111

Page 5 of 7

Reporting Limit Outliers

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-154-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.504	5.45	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.121	5.45	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0586	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0935	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0927	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.109	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.112	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.133	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.138	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.122	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.180	5.45	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.111	5.45	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.176	5.45	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0636	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0308	1.09	PQL	ng/Kg	
	OCDD	JB	1.88	10.9	PQL	ng/Kg	
	OCDF	JBQ	0.334	10.9	PQL	ng/Kg	
SL-154-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.519	5.64	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0940	5.64	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0212	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0564	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0699	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0826	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0728	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0792	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0867	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.119	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.136	5.64	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0716	5.64	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.128	5.64	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0563	1.13	PQL	ng/Kg	
	OCDD	JB	1.04	11.3	PQL	ng/Kg	
	OCDF	JBQ	0.170	11.3	PQL	ng/Kg	
SL-165-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.918	5.47	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.156	5.47	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0308	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0388	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0521	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0269	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0282	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0526	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0206	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0146	5.47	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0657	5.47	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0435	5.47	PQL	ng/Kg	
	OCDD	JB	3.79	10.9	PQL	ng/Kg	
	OCDF	JBQ	0.355	10.9	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX106

Laboratory: LL

EDD Filename: DX106_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-165-SA5DN-SB-9.0-10.0	1,2,3,4,7,8,9-HPCDF	JB	0.343	5.30	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.171	5.30	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.341	5.30	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.850	5.30	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.276	5.30	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.431	5.30	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.115	5.30	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.191	5.30	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.359	5.30	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.386	5.30	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.548	5.30	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0546	1.06	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX107

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
30-Jun-2011	SL-181-SA5DN-SB-4.0-5.0	6333642	N	METHOD	1613B	III
30-Jun-2011	SL-181-SA5DN-SB-9.0-10.0	6333643	N	METHOD	1613B	III
30-Jun-2011	SL-182-SA5DN-SB-4.0-5.0	6333644	N	METHOD	1613B	III
30-Jun-2011	SL-182-SA5DN-SB-9.0-10.0	6333645	N	METHOD	1613B	III
30-Jun-2011	SL-184-SA5DN-SB-4.0-5.0	6333646	N	METHOD	1613B	III
30-Jun-2011	SL-184-SA5DN-SB-9.0-10.0	6333647	N	METHOD	1613B	III
30-Jun-2011	SL-197-SA5DN-SB-4.0-5.0	6333652	N	METHOD	1613B	III
30-Jun-2011	SL-197-SA5DN-SB-9.0-10.0	6333653	N	METHOD	1613B	III
30-Jun-2011	SL-196-SA5DN-SB-4.0-5.0	6333650	N	METHOD	1613B	III
30-Jun-2011	SL-196-SA5DN-SB-9.0-10.0	6333651	N	METHOD	1613B	III
30-Jun-2011	SL-203-SA5DN-SB-4.0-5.0	6333654	N	METHOD	1613B	III
30-Jun-2011	SL-203-SA5DN-SB-9.0-10.0	6333655	N	METHOD	1613B	III
30-Jun-2011	SL-187-SA5DN-SB-4.0-5.0	6333648	N	METHOD	1613B	III
30-Jun-2011	SL-187-SA5DN-SB-9.0-10.0	6333649	N	METHOD	1613B	III
05-Jul-2011	SL-186-SA5DN-SB-4.0-5.0	6335841	N	METHOD	1613B	III
05-Jul-2011	SL-194-SA5DN-SB-4.0-5.0	6335843	N	METHOD	1613B	III
05-Jul-2011	SL-194-SA5DN-SB-9.0-10.0	6335844	N	METHOD	1613B	III
05-Jul-2011	SL-195-SA5DN-SB-4.0-5.0	6335845	N	METHOD	1613B	III
05-Jul-2011	SL-195-SA5DN-SB-9.0-10.0	6335846	N	METHOD	1613B	III
05-Jul-2011	SL-192-SA5DN-SB-4.0-5.0	6335842	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-181-SA5DN-SB-4.0-5.0

Collected: 6/30/2011 7:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.16	JB	0.0362	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.362	JB	0.0113	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0814	JBQ	0.0177	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.112	JBQ	0.0201	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0647	JB	0.0201	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0702	JB	0.0182	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0777	JB	0.0201	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0583	JBQ	0.0220	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0721	JQ	0.0283	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0962	JBQ	0.0153	MDL	5.55	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.120	JBQ	0.0191	MDL	5.55	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.108	JB	0.0151	MDL	5.55	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0441	JBQ	0.0312	MDL	1.11	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0425	J	0.0283	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	0.395	JB	0.0333	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-181-SA5DN-SB-9.0-10.0

Collected: 6/30/2011 7:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.21	JB	0.0481	MDL	5.96	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.314	JBQ	0.0131	MDL	5.96	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0460	JBQ	0.0216	MDL	5.96	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0719	JBQ	0.0195	MDL	5.96	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0462	JBQ	0.0234	MDL	5.96	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0596	JB	0.0169	MDL	5.96	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0773	JBQ	0.0239	MDL	5.96	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0459	JQ	0.0332	MDL	5.96	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0461	JBQ	0.0178	MDL	5.96	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.111	JBQ	0.0195	MDL	5.96	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.114	JBQ	0.0165	MDL	5.96	PQL	ng/Kg	U	B
OCDD	11.3	JB	0.0307	MDL	11.9	PQL	ng/Kg	J	Z
OCDF	0.357	JBQ	0.0461	MDL	11.9	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:41:11 AM

ADR version 1.4.0.111

Page 1 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-182-SA5DN-SB-4.0-5.0

Collected: 6/30/2011 8:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.711	JB	0.0411	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.219	JB	0.0101	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0682	JBQ	0.0205	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0884	JB	0.0200	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.109	JB	0.0290	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0539	JBQ	0.0168	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.251	JBQ	0.0288	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.423	JB	0.0260	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.106	JBQ	0.0157	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0938	JB	0.0186	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0557	JBQ	0.0161	MDL	5.62	PQL	ng/Kg	U	B
OCDD	3.06	JB	0.0245	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.319	JB	0.0501	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-182-SA5DN-SB-9.0-10.0

Collected: 6/30/2011 8:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.548	JB	0.0307	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.228	JB	0.0142	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0422	JBQ	0.0241	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0688	JB	0.0142	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0287	JBQ	0.0185	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0350	JBQ	0.0122	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0600	JBQ	0.0186	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0511	JBQ	0.0178	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0258	JQ	0.0209	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0195	JBQ	0.0121	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0819	JB	0.0137	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.103	JBQ	0.0111	MDL	5.68	PQL	ng/Kg	U	B
OCDD	2.54	JB	0.0212	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.281	JBQ	0.0332	MDL	11.4	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:41:11 AM

ADR version 1.4.0.111

Page 2 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-184-SA5DN-SB-4.0-5.0

Collected: 6/30/2011 8:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	4.24	JB	0.0403	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.764	JB	0.0136	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.108	JB	0.0245	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0582	JB	0.0400	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.297	JB	0.0352	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.297	JB	0.0396	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.191	JBQ	0.0299	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.324	JB	0.0395	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.232	JBQ	0.0381	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.105	JQ	0.0364	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.204	JBQ	0.0269	MDL	5.54	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.294	JB	0.0333	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.666	JB	0.0281	MDL	5.54	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.188	J	0.0503	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	1.28	JB	0.0473	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-184-SA5DN-SB-9.0-10.0

Collected: 6/30/2011 9:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.580	JB	0.0314	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.183	JB	0.00771	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0462	JBQ	0.0150	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0419	JB	0.0117	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0295	JBQ	0.0189	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0448	JB	0.0103	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0425	JB	0.0183	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0140	JBQ	0.0129	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0389	J	0.0222	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0254	JBQ	0.0113	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0779	JBQ	0.0113	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0665	JB	0.0113	MDL	5.75	PQL	ng/Kg	U	B
OCDD	1.88	JB	0.0243	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.174	JB	0.0340	MDL	11.5	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:41:11 AM

ADR version 1.4.0.111

Page 3 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-186-SA5DN-SB-4.0-5.0

Collected: 7/5/2011 7:50:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCCD	0.579	JB	0.0237	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0807	JBQ	0.00654	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0597	JB	0.0155	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0361	JB	0.0145	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0319	JBQ	0.0119	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.114	JBQ	0.0151	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0359	JBQ	0.00981	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.224	JB	0.0145	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.324	JB	0.0143	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0499	JBQ	0.0155	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0929	JB	0.00806	MDL	5.80	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0405	JBQ	0.0112	MDL	5.80	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0693	JB	0.00853	MDL	5.80	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0195	JBQ	0.0145	MDL	1.16	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0147	JQ	0.0127	MDL	1.16	PQL	ng/Kg	J	Z
OCDD	2.10	JB	0.0369	MDL	11.6	PQL	ng/Kg	U	B
OCDF	0.194	JBQ	0.0284	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-187-SA5DN-SB-4.0-5.0

Collected: 6/30/2011 2:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCCD	1.67	JB	0.0313	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.212	JBQ	0.0144	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0444	JBQ	0.0227	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.129	JBQ	0.0292	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.123	JBQ	0.0179	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.195	JB	0.0288	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0982	JB	0.0156	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.353	JB	0.0288	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.478	JB	0.0203	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.119	J	0.0251	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.207	JB	0.0135	MDL	5.59	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0872	JBQ	0.0164	MDL	5.59	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.162	JBQ	0.0127	MDL	5.59	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:41:12 AM

ADR version 1.4.0.111

Page 4 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-187-SA5DN-SB-4.0-5.0

Collected: 6/30/2011 2:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDF	0.0310	JQ	0.0293	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	0.382	JB	0.0347	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-187-SA5DN-SB-9.0-10.0

Collected: 6/30/2011 2:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.718	JB	0.0356	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.299	JB	0.0113	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.102	JBQ	0.0182	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.133	JB	0.0251	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.208	JB	0.0201	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.154	JBQ	0.0260	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.212	JB	0.0183	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.160	JBQ	0.0250	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.174	JB	0.0238	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.253	J	0.0306	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.288	JB	0.0154	MDL	5.71	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.174	JB	0.0181	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.290	JB	0.0146	MDL	5.71	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0600	JBQ	0.0274	MDL	1.14	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0882	J	0.0252	MDL	1.14	PQL	ng/Kg	J	Z
OCDD	2.72	JB	0.0266	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.337	JBQ	0.0403	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-192-SA5DN-SB-4.0-5.0

Collected: 7/5/2011 12:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.746	JB	0.0282	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0810	JBQ	0.00803	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0429	JBQ	0.0171	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0154	JB	0.0130	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0184	JBQ	0.0104	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0648	JB	0.0134	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0285	JBQ	0.00838	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0909	JBQ	0.0129	MDL	5.79	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:41:12 AM

ADR version 1.4.0.111

Page 5 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-192-SA5DN-SB-4.0-5.0

Collected: 7/5/2011 12:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	0.160	JBQ	0.0118	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0176	JB	0.0133	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0148	JBQ	0.00792	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0307	JBQ	0.00966	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0573	JBQ	0.00815	MDL	5.79	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0208	JQ	0.0123	MDL	1.16	PQL	ng/Kg	J	Z
OCDD	3.95	JB	0.0228	MDL	11.6	PQL	ng/Kg	U	B
OCDF	0.161	JBQ	0.0268	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-194-SA5DN-SB-4.0-5.0

Collected: 7/5/2011 9:15:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.77	JB	0.0394	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.345	JB	0.0107	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0432	JBQ	0.0208	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0742	JB	0.0245	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0898	JB	0.0159	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.157	JB	0.0250	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0746	JBQ	0.0130	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.245	JBQ	0.0249	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.312	JB	0.0194	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.143	JQ	0.0269	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.169	JB	0.0112	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0838	JBQ	0.0143	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.146	JB	0.0122	MDL	5.66	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0385	JBQ	0.0295	MDL	1.13	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0540	J	0.0243	MDL	1.13	PQL	ng/Kg	J	Z
OCDF	1.23	JB	0.0461	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-194-SA5DN-SB-9.0-10.0

Collected: 7/5/2011 9:20:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.17	JB	0.0332	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.196	JB	0.00779	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0505	JBQ	0.0200	MDL	5.84	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:41:12 AM

ADR version 1.4.0.111

Page 6 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-194-SA5DN-SB-9.0-10.0

Collected: 7/5/2011 9:20:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.0384	JB	0.0100	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0664	JB	0.0153	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0234	JB	0.00815	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0485	JB	0.0144	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0568	JBQ	0.0129	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0206	JBQ	0.0145	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0164	JB	0.00767	MDL	5.84	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0336	JBQ	0.00933	MDL	5.84	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0541	JBQ	0.00791	MDL	5.84	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0274	JBQ	0.0152	MDL	1.17	PQL	ng/Kg	U	B
OCDD	7.18	JB	0.0217	MDL	11.7	PQL	ng/Kg	J	Z
OCDF	0.520	JB	0.0338	MDL	11.7	PQL	ng/Kg	U	B

Sample ID: SL-195-SA5DN-SB-4.0-5.0

Collected: 7/5/2011 10:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.519	JB	0.0194	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0763	JB	0.00632	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0269	JB	0.0156	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0265	JBQ	0.0139	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0185	JBQ	0.0104	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.129	JBQ	0.0143	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0245	JB	0.00842	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.145	JBQ	0.0144	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.295	JB	0.0130	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0597	JBQ	0.00702	MDL	5.67	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0207	JBQ	0.00947	MDL	5.67	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0373	JBQ	0.00749	MDL	5.67	PQL	ng/Kg	U	B
OCDD	3.18	JB	0.0240	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.130	JB	0.0310	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-195-SA5DN-SB-9.0-10.0

Collected: 7/5/2011 10:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.65	JB	0.0323	MDL	5.79	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:41:12 AM

ADR version 1.4.0.111

Page 7 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-195-SA5DN-SB-9.0-10.0

Collected: 7/5/2011 10:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.261	JB	0.0146	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0332	JBQ	0.0158	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0986	JBQ	0.0230	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0381	JB	0.0140	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0652	JBQ	0.0194	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0375	JB	0.0136	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0262	JQ	0.0227	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0261	JBQ	0.0113	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0594	JB	0.0107	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0512	JBQ	0.0115	MDL	5.79	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0297	JBQ	0.0244	MDL	1.16	PQL	ng/Kg	U	B
OCDF	0.490	JB	0.0386	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-196-SA5DN-SB-4.0-5.0

Collected: 6/30/2011 11:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.01	JBQ	0.0337	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.254	JB	0.0147	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0572	JB	0.0251	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0791	JBQ	0.0296	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.130	JB	0.0209	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.199	JB	0.0301	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.120	JBQ	0.0184	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.340	JB	0.0280	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.413	JB	0.0238	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.138	J	0.0290	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.183	JB	0.0135	MDL	5.62	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.137	JB	0.0190	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.173	JB	0.0135	MDL	5.62	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0428	JBQ	0.0274	MDL	1.12	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0345	J	0.0298	MDL	1.12	PQL	ng/Kg	J	Z
OCDD	4.41	JB	0.0225	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.328	JBQ	0.0377	MDL	11.2	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:41:12 AM

ADR version 1.4.0.111

Page 8 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-196-SA5DN-SB-9.0-10.0

Collected: 6/30/2011 11:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.548	JB	0.0333	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.224	JB	0.0116	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0643	JBQ	0.0187	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0382	JB	0.0234	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0845	JBQ	0.0150	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0685	JBQ	0.0232	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0408	JB	0.0134	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0925	JB	0.0216	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0738	JBQ	0.0176	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0441	J	0.0265	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0494	JBQ	0.0120	MDL	5.57	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0874	JBQ	0.0141	MDL	5.57	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0779	JBQ	0.0121	MDL	5.57	PQL	ng/Kg	U	B
OCDD	2.55	JB	0.0247	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.335	JBQ	0.0325	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-197-SA5DN-SB-4.0-5.0

Collected: 6/30/2011 11:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.761	JB	0.0366	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.259	JBQ	0.0109	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0237	JBQ	0.0192	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0292	JBQ	0.0271	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0667	JB	0.0201	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.141	JB	0.0265	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0343	JB	0.0173	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.301	JB	0.0262	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.276	JBQ	0.0227	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0414	JQ	0.0327	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0778	JB	0.0145	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0970	JB	0.0175	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0758	JB	0.0140	MDL	5.62	PQL	ng/Kg	U	B
OCDD	3.10	JB	0.0296	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.289	JB	0.0426	MDL	11.2	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:41:12 AM

ADR version 1.4.0.111

Page 9 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-197-SA5DN-SB-9.0-10.0

Collected: 6/30/2011 11:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.634	JB	0.0331	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.149	JB	0.0102	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0234	JB	0.0161	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0318	JBQ	0.0187	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0253	JBQ	0.0196	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0273	JB	0.0167	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0496	JBQ	0.0188	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0569	JBQ	0.0171	MDL	5.78	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0547	JBQ	0.0130	MDL	5.78	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0819	JB	0.0134	MDL	5.78	PQL	ng/Kg	U	B
OCDD	2.94	JB	0.0247	MDL	11.6	PQL	ng/Kg	U	B
OCDF	0.183	JB	0.0371	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-203-SA5DN-SB-4.0-5.0

Collected: 6/30/2011 1:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.764	JB	0.0328	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.140	JBQ	0.00739	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0246	JBQ	0.0125	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0292	JB	0.0265	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.173	JB	0.0265	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0304	JB	0.0136	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.307	JB	0.0240	MDL	5.74	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.414	JB	0.0179	MDL	5.74	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0498	JQ	0.0260	MDL	5.74	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0954	JB	0.0113	MDL	5.74	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0510	JBQ	0.0147	MDL	5.74	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0774	JBQ	0.0123	MDL	5.74	PQL	ng/Kg	U	B
OCDD	3.73	JB	0.0239	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.251	JBQ	0.0348	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-203-SA5DN-SB-9.0-10.0

Collected: 6/30/2011 2:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.604	JB	0.0320	MDL	5.75	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:41:27 AM

ADR version 1.4.0.111

Page 10 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-203-SA5DN-SB-9.0-10.0

Collected: 6/30/2011 2:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.127	JBQ	0.00902	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0314	JB	0.0157	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0428	JB	0.0173	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0594	JB	0.0192	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0169	JB	0.0138	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0362	JB	0.0188	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0284	JBQ	0.0156	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0295	J	0.0258	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0265	JBQ	0.0126	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0476	JB	0.0116	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0440	JB	0.0136	MDL	5.75	PQL	ng/Kg	U	B
OCDD	2.34	JB	0.0280	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.188	JB	0.0392	MDL	11.5	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:41:27 AM

ADR version 1.4.0.111

Page 11 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*#	Professional Judgment
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Laboratory Triplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:41:27 AM

ADR version 1.4.0.111

Page 12 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Laboratory Triplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:41:27 AM

ADR version 1.4.0.111

Page 13 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Q	Matrix Spike Upper Rejection
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:41:27 AM

ADR version 1.4.0.111

Page 14 of 14

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX107

Method Blank Outlier Report

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B Matrix: SO				
Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK2000B371504	7/22/2011 3:04:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD OCDD OCDF	0.435 ng/Kg 0.186 ng/Kg 0.0707 ng/Kg 0.0348 ng/Kg 0.0660 ng/Kg 0.0452 ng/Kg 0.0447 ng/Kg 0.0497 ng/Kg 0.0517 ng/Kg 0.0351 ng/Kg 0.111 ng/Kg 0.0888 ng/Kg 0.0409 ng/Kg 0.915 ng/Kg 0.300 ng/Kg	SL-181-SA5DN-SB-4.0-5.0 SL-181-SA5DN-SB-9.0-10.0 SL-182-SA5DN-SB-4.0-5.0 SL-182-SA5DN-SB-9.0-10.0 SL-184-SA5DN-SB-4.0-5.0 SL-184-SA5DN-SB-9.0-10.0 SL-187-SA5DN-SB-4.0-5.0 SL-187-SA5DN-SB-9.0-10.0 SL-194-SA5DN-SB-4.0-5.0 SL-195-SA5DN-SB-9.0-10.0 SL-196-SA5DN-SB-4.0-5.0 SL-196-SA5DN-SB-9.0-10.0 SL-197-SA5DN-SB-4.0-5.0 SL-197-SA5DN-SB-9.0-10.0 SL-203-SA5DN-SB-4.0-5.0 SL-203-SA5DN-SB-9.0-10.0
BLK2070B370640	7/29/2011 6:40:00 AM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDF 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD OCDD OCDF	0.349 ng/Kg 0.0945 ng/Kg 0.0650 ng/Kg 0.0167 ng/Kg 0.0418 ng/Kg 0.0256 ng/Kg 0.0189 ng/Kg 0.0406 ng/Kg 0.0653 ng/Kg 0.0265 ng/Kg 0.0236 ng/Kg 0.0463 ng/Kg 0.0579 ng/Kg 0.0142 ng/Kg 0.791 ng/Kg 0.205 ng/Kg	SL-186-SA5DN-SB-4.0-5.0 SL-192-SA5DN-SB-4.0-5.0 SL-194-SA5DN-SB-9.0-10.0 SL-195-SA5DN-SB-4.0-5.0

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-181-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.16 ng/Kg	1.16U ng/Kg
SL-181-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.362 ng/Kg	0.362U ng/Kg
SL-181-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0814 ng/Kg	0.0814U ng/Kg
SL-181-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.112 ng/Kg	0.112U ng/Kg
SL-181-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0647 ng/Kg	0.0647U ng/Kg
SL-181-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0702 ng/Kg	0.0702U ng/Kg
SL-181-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0777 ng/Kg	0.0777U ng/Kg
SL-181-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0583 ng/Kg	0.0583U ng/Kg
SL-181-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0962 ng/Kg	0.0962U ng/Kg
SL-181-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.120 ng/Kg	0.120U ng/Kg
SL-181-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.108 ng/Kg	0.108U ng/Kg
SL-181-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0441 ng/Kg	0.0441U ng/Kg
SL-181-SA5DN-SB-4.0-5.0(RES)	OCDF	0.395 ng/Kg	0.395U ng/Kg
SL-181-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	1.21 ng/Kg	1.21U ng/Kg
SL-181-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.314 ng/Kg	0.314U ng/Kg
SL-181-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0460 ng/Kg	0.0460U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:40:44 AM

ADR version 1.4.0.111

Page 1 of 8

Method Blank Outlier Report

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B				
Matrix: SO				
Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-181-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0719 ng/Kg	0.0719U ng/Kg
SL-181-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0462 ng/Kg	0.0462U ng/Kg
SL-181-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0596 ng/Kg	0.0596U ng/Kg
SL-181-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0773 ng/Kg	0.0773U ng/Kg
SL-181-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0461 ng/Kg	0.0461U ng/Kg
SL-181-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.111 ng/Kg	0.111U ng/Kg
SL-181-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.114 ng/Kg	0.114U ng/Kg
SL-181-SA5DN-SB-9.0-10.0(RES)	OCDF	0.357 ng/Kg	0.357U ng/Kg
SL-182-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.711 ng/Kg	0.711U ng/Kg
SL-182-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.219 ng/Kg	0.219U ng/Kg
SL-182-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0682 ng/Kg	0.0682U ng/Kg
SL-182-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0884 ng/Kg	0.0884U ng/Kg
SL-182-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.109 ng/Kg	0.109U ng/Kg
SL-182-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0539 ng/Kg	0.0539U ng/Kg
SL-182-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.106 ng/Kg	0.106U ng/Kg
SL-182-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0938 ng/Kg	0.0938U ng/Kg
SL-182-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0557 ng/Kg	0.0557U ng/Kg
SL-182-SA5DN-SB-4.0-5.0(RES)	OCDD	3.06 ng/Kg	3.06U ng/Kg
SL-182-SA5DN-SB-4.0-5.0(RES)	OCDF	0.319 ng/Kg	0.319U ng/Kg
SL-182-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.548 ng/Kg	0.548U ng/Kg
SL-182-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.228 ng/Kg	0.228U ng/Kg
SL-182-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0422 ng/Kg	0.0422U ng/Kg
SL-182-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0688 ng/Kg	0.0688U ng/Kg
SL-182-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0287 ng/Kg	0.0287U ng/Kg
SL-182-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0350 ng/Kg	0.0350U ng/Kg
SL-182-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0600 ng/Kg	0.0600U ng/Kg
SL-182-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0511 ng/Kg	0.0511U ng/Kg
SL-182-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0195 ng/Kg	0.0195U ng/Kg
SL-182-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0819 ng/Kg	0.0819U ng/Kg
SL-182-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.103 ng/Kg	0.103U ng/Kg
SL-182-SA5DN-SB-9.0-10.0(RES)	OCDD	2.54 ng/Kg	2.54U ng/Kg
SL-182-SA5DN-SB-9.0-10.0(RES)	OCDF	0.281 ng/Kg	0.281U ng/Kg
SL-184-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.764 ng/Kg	0.764U ng/Kg
SL-184-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.108 ng/Kg	0.108U ng/Kg
SL-184-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDD	0.0582 ng/Kg	0.0582U ng/Kg
SL-184-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.297 ng/Kg	0.297U ng/Kg
SL-184-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.191 ng/Kg	0.191U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:40:44 AM

ADR version 1.4.0.111

Page 2 of 8

Method Blank Outlier Report

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-184-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.232 ng/Kg	0.232U ng/Kg
SL-184-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.294 ng/Kg	0.294U ng/Kg
SL-184-SA5DN-SB-4.0-5.0(RES)	OCDF	1.28 ng/Kg	1.28U ng/Kg
SL-184-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.580 ng/Kg	0.580U ng/Kg
SL-184-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.183 ng/Kg	0.183U ng/Kg
SL-184-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0462 ng/Kg	0.0462U ng/Kg
SL-184-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0419 ng/Kg	0.0419U ng/Kg
SL-184-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0295 ng/Kg	0.0295U ng/Kg
SL-184-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0448 ng/Kg	0.0448U ng/Kg
SL-184-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0425 ng/Kg	0.0425U ng/Kg
SL-184-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0140 ng/Kg	0.0140U ng/Kg
SL-184-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0254 ng/Kg	0.0254U ng/Kg
SL-184-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0779 ng/Kg	0.0779U ng/Kg
SL-184-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0665 ng/Kg	0.0665U ng/Kg
SL-184-SA5DN-SB-9.0-10.0(RES)	OCDD	1.88 ng/Kg	1.88U ng/Kg
SL-184-SA5DN-SB-9.0-10.0(RES)	OCDF	0.174 ng/Kg	0.174U ng/Kg
SL-186-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.579 ng/Kg	0.579U ng/Kg
SL-186-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0807 ng/Kg	0.0807U ng/Kg
SL-186-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0597 ng/Kg	0.0597U ng/Kg
SL-186-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0361 ng/Kg	0.0361U ng/Kg
SL-186-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0319 ng/Kg	0.0319U ng/Kg
SL-186-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.114 ng/Kg	0.114U ng/Kg
SL-186-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0359 ng/Kg	0.0359U ng/Kg
SL-186-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.324 ng/Kg	0.324U ng/Kg
SL-186-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0499 ng/Kg	0.0499U ng/Kg
SL-186-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0929 ng/Kg	0.0929U ng/Kg
SL-186-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0405 ng/Kg	0.0405U ng/Kg
SL-186-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0693 ng/Kg	0.0693U ng/Kg
SL-186-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0195 ng/Kg	0.0195U ng/Kg
SL-186-SA5DN-SB-4.0-5.0(RES)	OCDD	2.10 ng/Kg	2.10U ng/Kg
SL-186-SA5DN-SB-4.0-5.0(RES)	OCDF	0.194 ng/Kg	0.194U ng/Kg
SL-187-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.67 ng/Kg	1.67U ng/Kg
SL-187-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.212 ng/Kg	0.212U ng/Kg
SL-187-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0444 ng/Kg	0.0444U ng/Kg
SL-187-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.129 ng/Kg	0.129U ng/Kg
SL-187-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.123 ng/Kg	0.123U ng/Kg
SL-187-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.195 ng/Kg	0.195U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:40:44 AM

ADR version 1.4.0.111

Page 3 of 8

Method Blank Outlier Report

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-187-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0982 ng/Kg	0.0982U ng/Kg
SL-187-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0872 ng/Kg	0.0872U ng/Kg
SL-187-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.162 ng/Kg	0.162U ng/Kg
SL-187-SA5DN-SB-4.0-5.0(RES)	OCDF	0.382 ng/Kg	0.382U ng/Kg
SL-187-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.718 ng/Kg	0.718U ng/Kg
SL-187-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.299 ng/Kg	0.299U ng/Kg
SL-187-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.102 ng/Kg	0.102U ng/Kg
SL-187-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.133 ng/Kg	0.133U ng/Kg
SL-187-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.208 ng/Kg	0.208U ng/Kg
SL-187-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.154 ng/Kg	0.154U ng/Kg
SL-187-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.212 ng/Kg	0.212U ng/Kg
SL-187-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.160 ng/Kg	0.160U ng/Kg
SL-187-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.174 ng/Kg	0.174U ng/Kg
SL-187-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.174 ng/Kg	0.174U ng/Kg
SL-187-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.290 ng/Kg	0.290U ng/Kg
SL-187-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0600 ng/Kg	0.0600U ng/Kg
SL-187-SA5DN-SB-9.0-10.0(RES)	OCDD	2.72 ng/Kg	2.72U ng/Kg
SL-187-SA5DN-SB-9.0-10.0(RES)	OCDF	0.337 ng/Kg	0.337U ng/Kg
SL-192-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.746 ng/Kg	0.746U ng/Kg
SL-192-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0810 ng/Kg	0.0810U ng/Kg
SL-192-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0429 ng/Kg	0.0429U ng/Kg
SL-192-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0154 ng/Kg	0.0154U ng/Kg
SL-192-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0184 ng/Kg	0.0184U ng/Kg
SL-192-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0648 ng/Kg	0.0648U ng/Kg
SL-192-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0285 ng/Kg	0.0285U ng/Kg
SL-192-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0909 ng/Kg	0.0909U ng/Kg
SL-192-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.160 ng/Kg	0.160U ng/Kg
SL-192-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0176 ng/Kg	0.0176U ng/Kg
SL-192-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0148 ng/Kg	0.0148U ng/Kg
SL-192-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0307 ng/Kg	0.0307U ng/Kg
SL-192-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0573 ng/Kg	0.0573U ng/Kg
SL-192-SA5DN-SB-4.0-5.0(RES)	OCDD	3.95 ng/Kg	3.95U ng/Kg
SL-192-SA5DN-SB-4.0-5.0(RES)	OCDF	0.161 ng/Kg	0.161U ng/Kg
SL-194-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.77 ng/Kg	1.77U ng/Kg
SL-194-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.345 ng/Kg	0.345U ng/Kg
SL-194-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0432 ng/Kg	0.0432U ng/Kg
SL-194-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0742 ng/Kg	0.0742U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:40:44 AM

ADR version 1.4.0.111

Page 4 of 8

Method Blank Outlier Report

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-194-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0898 ng/Kg	0.0898U ng/Kg
SL-194-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.157 ng/Kg	0.157U ng/Kg
SL-194-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0746 ng/Kg	0.0746U ng/Kg
SL-194-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.245 ng/Kg	0.245U ng/Kg
SL-194-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.169 ng/Kg	0.169U ng/Kg
SL-194-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0838 ng/Kg	0.0838U ng/Kg
SL-194-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.146 ng/Kg	0.146U ng/Kg
SL-194-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0385 ng/Kg	0.0385U ng/Kg
SL-194-SA5DN-SB-4.0-5.0(RES)	OCDF	1.23 ng/Kg	1.23U ng/Kg
SL-194-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	1.17 ng/Kg	1.17U ng/Kg
SL-194-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.196 ng/Kg	0.196U ng/Kg
SL-194-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0505 ng/Kg	0.0505U ng/Kg
SL-194-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0384 ng/Kg	0.0384U ng/Kg
SL-194-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0664 ng/Kg	0.0664U ng/Kg
SL-194-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0234 ng/Kg	0.0234U ng/Kg
SL-194-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0485 ng/Kg	0.0485U ng/Kg
SL-194-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0568 ng/Kg	0.0568U ng/Kg
SL-194-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0206 ng/Kg	0.0206U ng/Kg
SL-194-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0164 ng/Kg	0.0164U ng/Kg
SL-194-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0336 ng/Kg	0.0336U ng/Kg
SL-194-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0541 ng/Kg	0.0541U ng/Kg
SL-194-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0274 ng/Kg	0.0274U ng/Kg
SL-194-SA5DN-SB-9.0-10.0(RES)	OCDF	0.520 ng/Kg	0.520U ng/Kg
SL-195-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.519 ng/Kg	0.519U ng/Kg
SL-195-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0763 ng/Kg	0.0763U ng/Kg
SL-195-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0269 ng/Kg	0.0269U ng/Kg
SL-195-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0265 ng/Kg	0.0265U ng/Kg
SL-195-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0185 ng/Kg	0.0185U ng/Kg
SL-195-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0245 ng/Kg	0.0245U ng/Kg
SL-195-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.145 ng/Kg	0.145U ng/Kg
SL-195-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.295 ng/Kg	0.295U ng/Kg
SL-195-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0597 ng/Kg	0.0597U ng/Kg
SL-195-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0207 ng/Kg	0.0207U ng/Kg
SL-195-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0373 ng/Kg	0.0373U ng/Kg
SL-195-SA5DN-SB-4.0-5.0(RES)	OCDD	3.18 ng/Kg	3.18U ng/Kg
SL-195-SA5DN-SB-4.0-5.0(RES)	OCDF	0.130 ng/Kg	0.130U ng/Kg
SL-195-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	1.65 ng/Kg	1.65U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:40:44 AM

ADR version 1.4.0.111

Page 5 of 8

Method Blank Outlier Report

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-195-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.261 ng/Kg	0.261U ng/Kg
SL-195-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0332 ng/Kg	0.0332U ng/Kg
SL-195-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0986 ng/Kg	0.0986U ng/Kg
SL-195-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0381 ng/Kg	0.0381U ng/Kg
SL-195-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0652 ng/Kg	0.0652U ng/Kg
SL-195-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0375 ng/Kg	0.0375U ng/Kg
SL-195-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0261 ng/Kg	0.0261U ng/Kg
SL-195-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0594 ng/Kg	0.0594U ng/Kg
SL-195-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0512 ng/Kg	0.0512U ng/Kg
SL-195-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0297 ng/Kg	0.0297U ng/Kg
SL-195-SA5DN-SB-9.0-10.0(RES)	OCDF	0.490 ng/Kg	0.490U ng/Kg
SL-196-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.01 ng/Kg	1.01U ng/Kg
SL-196-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.254 ng/Kg	0.254U ng/Kg
SL-196-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0572 ng/Kg	0.0572U ng/Kg
SL-196-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0791 ng/Kg	0.0791U ng/Kg
SL-196-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.130 ng/Kg	0.130U ng/Kg
SL-196-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.199 ng/Kg	0.199U ng/Kg
SL-196-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.120 ng/Kg	0.120U ng/Kg
SL-196-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.137 ng/Kg	0.137U ng/Kg
SL-196-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.173 ng/Kg	0.173U ng/Kg
SL-196-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0428 ng/Kg	0.0428U ng/Kg
SL-196-SA5DN-SB-4.0-5.0(RES)	OCDD	4.41 ng/Kg	4.41U ng/Kg
SL-196-SA5DN-SB-4.0-5.0(RES)	OCDF	0.328 ng/Kg	0.328U ng/Kg
SL-196-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.548 ng/Kg	0.548U ng/Kg
SL-196-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.224 ng/Kg	0.224U ng/Kg
SL-196-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0643 ng/Kg	0.0643U ng/Kg
SL-196-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0382 ng/Kg	0.0382U ng/Kg
SL-196-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0845 ng/Kg	0.0845U ng/Kg
SL-196-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0685 ng/Kg	0.0685U ng/Kg
SL-196-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0408 ng/Kg	0.0408U ng/Kg
SL-196-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0925 ng/Kg	0.0925U ng/Kg
SL-196-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0738 ng/Kg	0.0738U ng/Kg
SL-196-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0494 ng/Kg	0.0494U ng/Kg
SL-196-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0874 ng/Kg	0.0874U ng/Kg
SL-196-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0779 ng/Kg	0.0779U ng/Kg
SL-196-SA5DN-SB-9.0-10.0(RES)	OCDD	2.55 ng/Kg	2.55U ng/Kg
SL-196-SA5DN-SB-9.0-10.0(RES)	OCDF	0.335 ng/Kg	0.335U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:40:44 AM

ADR version 1.4.0.111

Page 6 of 8

Method Blank Outlier Report

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-197-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.761 ng/Kg	0.761U ng/Kg
SL-197-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.259 ng/Kg	0.259U ng/Kg
SL-197-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0237 ng/Kg	0.0237U ng/Kg
SL-197-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0292 ng/Kg	0.0292U ng/Kg
SL-197-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0667 ng/Kg	0.0667U ng/Kg
SL-197-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.141 ng/Kg	0.141U ng/Kg
SL-197-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0343 ng/Kg	0.0343U ng/Kg
SL-197-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0778 ng/Kg	0.0778U ng/Kg
SL-197-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0970 ng/Kg	0.0970U ng/Kg
SL-197-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0758 ng/Kg	0.0758U ng/Kg
SL-197-SA5DN-SB-4.0-5.0(RES)	OCDD	3.10 ng/Kg	3.10U ng/Kg
SL-197-SA5DN-SB-4.0-5.0(RES)	OCDF	0.289 ng/Kg	0.289U ng/Kg
SL-197-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.634 ng/Kg	0.634U ng/Kg
SL-197-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.149 ng/Kg	0.149U ng/Kg
SL-197-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0234 ng/Kg	0.0234U ng/Kg
SL-197-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.0318 ng/Kg	0.0318U ng/Kg
SL-197-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.0253 ng/Kg	0.0253U ng/Kg
SL-197-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0273 ng/Kg	0.0273U ng/Kg
SL-197-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.0496 ng/Kg	0.0496U ng/Kg
SL-197-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.0569 ng/Kg	0.0569U ng/Kg
SL-197-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.0547 ng/Kg	0.0547U ng/Kg
SL-197-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0819 ng/Kg	0.0819U ng/Kg
SL-197-SA5DN-SB-9.0-10.0(RES)	OCDD	2.94 ng/Kg	2.94U ng/Kg
SL-197-SA5DN-SB-9.0-10.0(RES)	OCDF	0.183 ng/Kg	0.183U ng/Kg
SL-203-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.764 ng/Kg	0.764U ng/Kg
SL-203-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.140 ng/Kg	0.140U ng/Kg
SL-203-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0246 ng/Kg	0.0246U ng/Kg
SL-203-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0292 ng/Kg	0.0292U ng/Kg
SL-203-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.173 ng/Kg	0.173U ng/Kg
SL-203-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0304 ng/Kg	0.0304U ng/Kg
SL-203-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0954 ng/Kg	0.0954U ng/Kg
SL-203-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0510 ng/Kg	0.0510U ng/Kg
SL-203-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0774 ng/Kg	0.0774U ng/Kg
SL-203-SA5DN-SB-4.0-5.0(RES)	OCDD	3.73 ng/Kg	3.73U ng/Kg
SL-203-SA5DN-SB-4.0-5.0(RES)	OCDF	0.251 ng/Kg	0.251U ng/Kg
SL-203-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.604 ng/Kg	0.604U ng/Kg
SL-203-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.127 ng/Kg	0.127U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:40:45 AM

ADR version 1.4.0.111

Page 7 of 8

Method Blank Outlier Report

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-203-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0314 ng/Kg	0.0314U ng/Kg
SL-203-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0428 ng/Kg	0.0428U ng/Kg
SL-203-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0594 ng/Kg	0.0594U ng/Kg
SL-203-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0169 ng/Kg	0.0169U ng/Kg
SL-203-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0362 ng/Kg	0.0362U ng/Kg
SL-203-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0284 ng/Kg	0.0284U ng/Kg
SL-203-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0265 ng/Kg	0.0265U ng/Kg
SL-203-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0476 ng/Kg	0.0476U ng/Kg
SL-203-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0440 ng/Kg	0.0440U ng/Kg
SL-203-SA5DN-SB-9.0-10.0(RES)	OCDD	2.34 ng/Kg	2.34U ng/Kg
SL-203-SA5DN-SB-9.0-10.0(RES)	OCDF	0.188 ng/Kg	0.188U ng/Kg

Reporting Limit Outliers

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-181-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.16	5.55	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.362	5.55	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0814	5.55	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.112	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.0647	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0702	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0777	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0583	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0721	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0962	5.55	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.120	5.55	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.108	5.55	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0441	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0425	1.11	PQL	ng/Kg	
	OCDF	JB	0.395	11.1	PQL	ng/Kg	
SL-181-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	1.21	5.96	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.314	5.96	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0460	5.96	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0719	5.96	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0462	5.96	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0596	5.96	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0773	5.96	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0459	5.96	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0461	5.96	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.111	5.96	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.114	5.96	PQL	ng/Kg	
	OCDD	JB	11.3	11.9	PQL	ng/Kg	
	OCDF	JBQ	0.357	11.9	PQL	ng/Kg	
SL-182-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.711	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.219	5.62	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0682	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0884	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.109	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0539	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.251	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.423	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.106	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0938	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0557	5.62	PQL	ng/Kg	
	OCDD	JB	3.06	11.2	PQL	ng/Kg	
	OCDF	JB	0.319	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-182-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.548	5.68	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.228	5.68	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0422	5.68	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0688	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0287	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0350	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0600	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0511	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0258	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0195	5.68	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0819	5.68	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.103	5.68	PQL	ng/Kg	
	OCDD	JB	2.54	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.281	11.4	PQL	ng/Kg	
SL-184-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	4.24	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.764	5.54	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.108	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0582	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.297	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.297	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.191	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.324	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.232	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.105	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.204	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.294	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.666	5.54	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.188	1.11	PQL	ng/Kg	
	OCDF	JB	1.28	11.1	PQL	ng/Kg	
SL-184-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.580	5.75	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.183	5.75	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0462	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0419	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0295	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0448	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0425	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0140	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0389	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0254	5.75	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0779	5.75	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0665	5.75	PQL	ng/Kg	
	OCDD	JB	1.88	11.5	PQL	ng/Kg	
	OCDF	JB	0.174	11.5	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-186-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.579	5.80	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0807	5.80	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0597	5.80	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0361	5.80	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0319	5.80	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.114	5.80	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0359	5.80	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.224	5.80	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.324	5.80	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0499	5.80	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0929	5.80	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0405	5.80	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0693	5.80	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0195	1.16	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0147	1.16	PQL	ng/Kg	
	OCDD	JB	2.10	11.6	PQL	ng/Kg	
	OCDF	JBQ	0.194	11.6	PQL	ng/Kg	
SL-187-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.67	5.59	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.212	5.59	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0444	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.129	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.123	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.195	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0982	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.353	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.478	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.119	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.207	5.59	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0872	5.59	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.162	5.59	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0310	1.12	PQL	ng/Kg	
	OCDF	JB	0.382	11.2	PQL	ng/Kg	
SL-187-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.718	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.299	5.71	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.102	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.133	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.208	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.154	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.212	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.160	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.174	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.253	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.288	5.71	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.174	5.71	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.290	5.71	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0600	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0882	1.14	PQL	ng/Kg	
	OCDD	JB	2.72	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.337	11.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-192-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.746	5.79	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0810	5.79	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0429	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0154	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0184	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0648	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0285	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0909	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.160	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0176	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0148	5.79	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0307	5.79	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0573	5.79	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0208	1.16	PQL	ng/Kg	
	OCDD	JB	3.95	11.6	PQL	ng/Kg	
	OCDF	JBQ	0.161	11.6	PQL	ng/Kg	
SL-194-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.77	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.345	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0432	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0742	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0898	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.157	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0746	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.245	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.312	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.143	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.169	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0838	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.146	5.66	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0385	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0540	1.13	PQL	ng/Kg	
	OCDF	JB	1.23	11.3	PQL	ng/Kg	
SL-194-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	1.17	5.84	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.196	5.84	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0505	5.84	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0384	5.84	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0664	5.84	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0234	5.84	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0485	5.84	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0568	5.84	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0206	5.84	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0164	5.84	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0336	5.84	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0541	5.84	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0274	1.17	PQL	ng/Kg	
	OCDD	JB	7.18	11.7	PQL	ng/Kg	
	OCDF	JB	0.520	11.7	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-195-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.519	5.67	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0763	5.67	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0269	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0265	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0185	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.129	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0245	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.145	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.295	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0597	5.67	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0207	5.67	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0373	5.67	PQL	ng/Kg	
	OCDD	JB	3.18	11.3	PQL	ng/Kg	
	OCDF	JB	0.130	11.3	PQL	ng/Kg	
SL-195-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	1.65	5.79	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.261	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0332	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0986	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0381	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0652	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0375	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0262	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0261	5.79	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0594	5.79	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0512	5.79	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0297	1.16	PQL	ng/Kg	
	OCDF	JB	0.490	11.6	PQL	ng/Kg	
SL-196-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	1.01	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.254	5.62	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0572	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0791	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.130	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.199	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.120	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.340	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.413	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.138	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.183	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.137	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.173	5.62	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0428	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0345	1.12	PQL	ng/Kg	
	OCDD	JB	4.41	11.2	PQL	ng/Kg	
	OCDF	JBQ	0.328	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-196-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.548	5.57	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.224	5.57	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0643	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0382	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0845	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0685	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0408	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0925	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0738	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0441	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0494	5.57	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0874	5.57	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0779	5.57	PQL	ng/Kg	
	OCDD	JB	2.55	11.1	PQL	ng/Kg	
	OCDF	JBQ	0.335	11.1	PQL	ng/Kg	
SL-197-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.761	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.259	5.62	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0237	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0292	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0667	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.141	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0343	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.301	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.276	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0414	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0778	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0970	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0758	5.62	PQL	ng/Kg	
	OCDD	JB	3.10	11.2	PQL	ng/Kg	
	OCDF	JB	0.289	11.2	PQL	ng/Kg	
SL-197-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.634	5.78	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.149	5.78	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0234	5.78	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0318	5.78	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0253	5.78	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0273	5.78	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0496	5.78	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0569	5.78	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0547	5.78	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0819	5.78	PQL	ng/Kg	
	OCDD	JB	2.94	11.6	PQL	ng/Kg	
	OCDF	JB	0.183	11.6	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX107

Laboratory: LL

EDD Filename: DX107_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-203-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.764	5.74	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.140	5.74	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0246	5.74	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0292	5.74	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.173	5.74	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0304	5.74	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.307	5.74	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.414	5.74	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0498	5.74	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0954	5.74	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0510	5.74	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0774	5.74	PQL	ng/Kg	
	OCDD	JB	3.73	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.251	11.5	PQL	ng/Kg	
SL-203-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.604	5.75	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.127	5.75	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0314	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0428	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0594	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0169	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0362	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0284	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0295	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0265	5.75	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0476	5.75	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0440	5.75	PQL	ng/Kg	
	OCDD	JB	2.34	11.5	PQL	ng/Kg	
	OCDF	JB	0.188	11.5	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX108

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
5-July-2011	SL-192-SA5DN-SB-9.0-10.0	6336233	N	METHOD	1613B	III
5-July-2011	SL-186-SA5DN-SB-9.0-10.0	6336232	N	METHOD	1613B	III
6-July-2011	DUP-19-SA5DN-QC-070611	6337154	FD	METHOD	1613B	III
6-July-2011	SL-205-SA5DN-SB-9.0-10.0	6337153	N	METHOD	1613B	III
6-July-2011	SL-205-SA5DN-SB-4.0-5.0	6337152	N	METHOD	1613B	III
6-July-2011	SL-201-SA5DN-SB-9.0-10.0	6337151	N	METHOD	1613B	III
6-July-2011	SL-201-SA5DN-SB-4.0-5.0	6337150	N	METHOD	1613B	III
6-July-2011	SL-200-SA5DN-SB-9.0-10.0	6337149	N	METHOD	1613B	III
6-July-2011	SL-200-SA5DN-SB-4.0-5.0MSD	6337148	MSD	METHOD	1613B	III
6-July-2011	SL-200-SA5DN-SB-4.0-5.0MS	6337147	MS	METHOD	1613B	III
6-July-2011	SL-200-SA5DN-SB-4.0-5.0	6337146	N	METHOD	1613B	III
6-July-2011	SL-191-SA5DN-SB-9.0-10.0	6337145	N	METHOD	1613B	III
6-July-2011	SL-191-SA5DN-SB-4.0-5.0	6337144	N	METHOD	1613B	III
6-July-2011	SL-190-SA5DN-SB-9.0-10.0	6337143	N	METHOD	1613B	III
6-July-2011	SL-190-SA5DN-SB-4.0-5.0	6337142	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP-19-SA5DN-QC-070611

Collected: 7/6/2011 9:20:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.417	JB	0.0208	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.122	JB	0.00819	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0741	JB	0.0168	MDL	5.57	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.0811	JB	0.0160	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.117	JB	0.0159	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.126	JB	0.0164	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.132	JBQ	0.0138	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.217	JB	0.0158	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.290	J	0.0186	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.171	JB	0.0150	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.224	JB	0.00924	MDL	5.57	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.134	JBQ	0.0154	MDL	5.57	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.192	JB	0.00901	MDL	5.57	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0386	JQ	0.0129	MDL	1.11	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDF	0.0648	J	0.0120	MDL	1.11	PQL	ng/Kg	J	Z
OCDD	0.894	JB	0.0201	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.148	JB	0.0195	MDL	11.1	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-186-SA5DN-SB-9.0-10.0

Collected: 7/5/2011 8:00:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.631	JBQ	0.0229	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.434	JBQ	0.0108	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0846	JBQ	0.0181	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0198	JBQ	0.0124	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0881	JBQ	0.0171	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0412	JBQ	0.0131	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0605	JBQ	0.0141	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0308	JBQ	0.0124	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0775	JQ	0.0191	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0356	JBQ	0.00813	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.190	JBQ	0.0144	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.119	JBQ	0.00836	MDL	5.71	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0136	JQ	0.0134	MDL	1.14	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:46:24 AM

ADR version 1.4.0.111

Page 1 of 11

Data Qualifier Summary

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-186-SA5DN-SB-9.0-10.0

Collected: 7/5/2011 8:00:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDD	3.44	JB	0.0214	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.378	JB	0.0203	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-190-SA5DN-SB-4.0-5.0

Collected: 7/6/2011 10:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.461	JB	0.0201	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.335	JB	0.0119	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0872	JBQ	0.0183	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0956	JBQ	0.0209	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0765	JBQ	0.0147	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0610	JB	0.0174	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.171	JBQ	0.0141	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.306	J	0.0179	MDL	5.74	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0214	JBQ	0.0127	MDL	5.74	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.171	JBQ	0.0147	MDL	5.74	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.102	JBQ	0.00723	MDL	5.74	PQL	ng/Kg	U	B
OCDD	1.02	JB	0.0210	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.328	JB	0.0219	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-190-SA5DN-SB-9.0-10.0

Collected: 7/6/2011 10:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.536	JB	0.0226	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.461	JB	0.0106	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.124	JB	0.0179	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0571	JB	0.0145	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.157	JB	0.0190	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0543	JB	0.0150	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.104	JBQ	0.0157	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0672	JB	0.0147	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0905	JQ	0.0192	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0537	JBQ	0.0141	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.113	JBQ	0.00926	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.220	JBQ	0.0161	MDL	5.79	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:46:24 AM

ADR version 1.4.0.111

Page 2 of 11

Data Qualifier Summary

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-190-SA5DN-SB-9.0-10.0

Collected: 7/6/2011 10:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,7,8-PECDF	0.184	JB	0.00938	MDL	5.79	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0181	JQ	0.0132	MDL	1.16	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0268	J	0.0177	MDL	1.16	PQL	ng/Kg	J	Z
OCDD	1.26	JB	0.0189	MDL	11.6	PQL	ng/Kg	U	B
OCDF	0.384	JB	0.0256	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-191-SA5DN-SB-4.0-5.0

Collected: 7/6/2011 7:40:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.535	JB	0.0211	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.212	JB	0.00896	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.107	JB	0.0190	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.148	JBQ	0.0224	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.255	JB	0.0226	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.308	JB	0.0232	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.225	JB	0.0183	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.497	JB	0.0219	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.624	J	0.0271	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.212	JBQ	0.0155	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.382	JBQ	0.0101	MDL	5.70	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.220	JBQ	0.0214	MDL	5.70	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.280	JBQ	0.0107	MDL	5.70	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0619	JQ	0.0144	MDL	1.14	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0571	J	0.0135	MDL	1.14	PQL	ng/Kg	J	Z
OCDD	1.53	JB	0.0256	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.190	JB	0.0234	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-191-SA5DN-SB-9.0-10.0

Collected: 7/6/2011 7:50:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.31	JB	0.0259	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.318	JB	0.0107	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0708	JBQ	0.0193	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.119	JB	0.0192	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.212	JB	0.0207	MDL	5.82	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:46:24 AM

ADR version 1.4.0.111

Page 3 of 11

Data Qualifier Summary

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-191-SA5DN-SB-9.0-10.0

Collected: 7/6/2011 7:50:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDD	0.177	JB	0.0194	MDL	5.82	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.212	JB	0.0170	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.179	JB	0.0188	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.213	JQ	0.0224	MDL	5.82	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.272	JBQ	0.0149	MDL	5.82	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.436	JB	0.0105	MDL	5.82	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.170	JB	0.0199	MDL	5.82	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.375	JB	0.0105	MDL	5.82	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.127	J	0.0141	MDL	1.16	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.105	J	0.0160	MDL	1.16	PQL	ng/Kg	J	Z
OCDD	9.64	JB	0.0248	MDL	11.6	PQL	ng/Kg	J	Z
OCDF	0.495	JB	0.0241	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-192-SA5DN-SB-9.0-10.0

Collected: 7/5/2011 12:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCCDD	0.679	JB	0.0210	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.406	JB	0.0111	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.114	JB	0.0196	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0209	JB	0.0135	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.106	JB	0.0194	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0863	JB	0.0138	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0637	JB	0.0165	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.113	JB	0.0129	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.159	JQ	0.0197	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0193	JBQ	0.0125	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0400	JBQ	0.00820	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.200	JB	0.0152	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.102	JBQ	0.00831	MDL	5.75	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0131	JQ	0.0119	MDL	1.15	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0138	JQ	0.0135	MDL	1.15	PQL	ng/Kg	J	Z
OCDD	3.14	JB	0.0145	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.412	JB	0.0227	MDL	11.5	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:46:24 AM

ADR version 1.4.0.111

Page 4 of 11

Data Qualifier Summary

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-200-SA5DN-SB-4.0-5.0

Collected: 7/6/2011 9:10:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.461	JB	0.0314	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.133	JB	0.0119	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.134	JB	0.0248	MDL	5.53	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.0640	JB	0.0203	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.105	JBQ	0.0180	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.122	JBQ	0.0209	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0923	JBQ	0.0147	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.239	JB	0.0200	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.349	J	0.0227	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.110	JB	0.0146	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.191	JB	0.00846	MDL	5.53	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0985	JBQ	0.0171	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.157	JB	0.00927	MDL	5.53	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0682	J	0.0137	MDL	1.11	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDF	0.0390	J	0.0119	MDL	1.11	PQL	ng/Kg	J	Z
OCDD	0.827	JB	0.0270	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.264	JBQ	0.0283	MDL	11.1	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-200-SA5DN-SB-9.0-10.0

Collected: 7/6/2011 9:25:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.532	JB	0.0221	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.177	JB	0.00952	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.128	JBQ	0.0172	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0774	JBQ	0.0161	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.111	JB	0.0145	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0883	JB	0.0168	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0999	JB	0.0125	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.148	JBQ	0.0165	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.158	J	0.0157	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0794	JB	0.0154	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0724	JBQ	0.00881	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.126	JB	0.0135	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.124	JB	0.00846	MDL	5.81	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:46:24 AM

ADR version 1.4.0.111

Page 5 of 11

Data Qualifier Summary

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-200-SA5DN-SB-9.0-10.0

Collected: 7/6/2011 9:25:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDD	0.0280	JQ	0.0160	MDL	1.16	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0182	J	0.0130	MDL	1.16	PQL	ng/Kg	J	Z
OCDD	1.08	JB	0.0241	MDL	11.6	PQL	ng/Kg	U	B
OCDF	0.354	JB	0.0260	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-201-SA5DN-SB-4.0-5.0

Collected: 7/6/2011 2:35:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.490	JB	0.0198	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.118	JBQ	0.00807	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0781	JBQ	0.0175	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0221	JBQ	0.0142	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0473	JBQ	0.0123	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0871	JBQ	0.0146	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0409	JB	0.00994	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.166	JBQ	0.0138	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.231	JQ	0.0149	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0374	JBQ	0.0130	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0473	JBQ	0.00819	MDL	5.83	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0637	JBQ	0.0118	MDL	5.83	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0552	JB	0.00889	MDL	5.83	PQL	ng/Kg	U	B
OCDD	1.15	JB	0.0255	MDL	11.7	PQL	ng/Kg	U	B
OCDF	0.166	JB	0.0240	MDL	11.7	PQL	ng/Kg	U	B

Sample ID: SL-201-SA5DN-SB-9.0-10.0

Collected: 7/6/2011 2:40:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.431	JB	0.0217	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.100	JBQ	0.00779	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0429	JBQ	0.0178	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0401	JBQ	0.0119	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0443	JBQ	0.0157	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0303	JBQ	0.00956	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0509	JBQ	0.0150	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0367	JQ	0.0145	MDL	5.81	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:46:24 AM

ADR version 1.4.0.111

Page 6 of 11

Data Qualifier Summary

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-201-SA5DN-SB-9.0-10.0

Collected: 7/6/2011 2:40:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDD	0.0286	JBQ	0.0162	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0257	JBQ	0.00921	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0731	JBQ	0.0111	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0566	JB	0.00945	MDL	5.81	PQL	ng/Kg	U	B
OCDD	0.844	JB	0.0264	MDL	11.6	PQL	ng/Kg	U	B
OCDF	0.169	JBQ	0.0254	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-205-SA5DN-SB-4.0-5.0

Collected: 7/6/2011 1:20:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.362	JB	0.0152	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0790	JB	0.00660	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0520	JB	0.0139	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0338	JBQ	0.0138	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.113	JBQ	0.0161	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0272	JBQ	0.0107	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.349	JB	0.0161	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.434	J	0.0149	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0256	JBQ	0.0117	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0979	JBQ	0.00718	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0440	JBQ	0.0116	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0456	JB	0.00730	MDL	5.69	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0117	J	0.00962	MDL	1.14	PQL	ng/Kg	J	Z
OCDD	0.856	JB	0.0205	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.183	JBQ	0.0196	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-205-SA5DN-SB-9.0-10.0

Collected: 7/6/2011 1:25:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.506	JB	0.0188	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.131	JB	0.00697	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0545	JBQ	0.0150	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0298	JBQ	0.0119	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0550	JB	0.0124	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0610	JB	0.0123	MDL	5.79	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:46:25 AM

ADR version 1.4.0.111

Page 7 of 11

Data Qualifier Summary

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-205-SA5DN-SB-9.0-10.0

Collected: 7/6/2011 1:25:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDF	0.0469	JBQ	0.00968	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0981	JB	0.0116	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0910	JQ	0.0145	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0580	JBQ	0.0120	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0883	JB	0.00826	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0853	JB	0.0109	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0982	JB	0.00909	MDL	5.79	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0210	JQ	0.0165	MDL	1.16	PQL	ng/Kg	J	Z
OCDD	1.31	JB	0.0197	MDL	11.6	PQL	ng/Kg	U	B
OCDF	0.246	JB	0.0231	MDL	11.6	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:46:25 AM

ADR version 1.4.0.111

Page 8 of 11

Data Qualifier Summary

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*#	Professional Judgment
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Laboratory Triplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:46:25 AM

ADR version 1.4.0.111

Page 9 of 11

Data Qualifier Summary

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Laboratory Triplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:46:25 AM

ADR version 1.4.0.111

Page 10 of 11

Data Qualifier Summary

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

Q	Matrix Spike Upper Rejection
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:46:25 AM

ADR version 1.4.0.111

Page 11 of 11

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX108

Method Blank Outlier Report

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1940B370051	7/15/2011 12:51:00 AM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF OCDD OCDF	0.412 ng/Kg 0.341 ng/Kg 0.120 ng/Kg 0.0278 ng/Kg 0.0977 ng/Kg 0.0321 ng/Kg 0.0810 ng/Kg 0.0698 ng/Kg 0.0474 ng/Kg 0.0366 ng/Kg 0.179 ng/Kg 0.104 ng/Kg 0.823 ng/Kg 0.418 ng/Kg	DUP-19-SA5DN-QC-070611 SL-186-SA5DN-SB-9.0-10.0 SL-190-SA5DN-SB-4.0-5.0 SL-190-SA5DN-SB-9.0-10.0 SL-191-SA5DN-SB-4.0-5.0 SL-191-SA5DN-SB-9.0-10.0 SL-192-SA5DN-SB-9.0-10.0 SL-200-SA5DN-SB-4.0-5.0 SL-200-SA5DN-SB-9.0-10.0 SL-201-SA5DN-SB-4.0-5.0 SL-201-SA5DN-SB-9.0-10.0 SL-205-SA5DN-SB-4.0-5.0 SL-205-SA5DN-SB-9.0-10.0

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP-19-SA5DN-QC-070611(RES)	1,2,3,4,6,7,8-HPCDD	0.417 ng/Kg	0.417U ng/Kg
DUP-19-SA5DN-QC-070611(RES)	1,2,3,4,6,7,8-HPCDF	0.122 ng/Kg	0.122U ng/Kg
DUP-19-SA5DN-QC-070611(RES)	1,2,3,4,7,8,9-HPCDF	0.0741 ng/Kg	0.0741U ng/Kg
DUP-19-SA5DN-QC-070611(RES)	1,2,3,4,7,8-HxCDD	0.0811 ng/Kg	0.0811U ng/Kg
DUP-19-SA5DN-QC-070611(RES)	1,2,3,4,7,8-HxCDF	0.117 ng/Kg	0.117U ng/Kg
DUP-19-SA5DN-QC-070611(RES)	1,2,3,6,7,8-HxCDD	0.126 ng/Kg	0.126U ng/Kg
DUP-19-SA5DN-QC-070611(RES)	1,2,3,6,7,8-HxCDF	0.132 ng/Kg	0.132U ng/Kg
DUP-19-SA5DN-QC-070611(RES)	1,2,3,7,8,9-HxCDD	0.217 ng/Kg	0.217U ng/Kg
DUP-19-SA5DN-QC-070611(RES)	1,2,3,7,8-PECDD	0.171 ng/Kg	0.171U ng/Kg
DUP-19-SA5DN-QC-070611(RES)	2,3,4,6,7,8-HxCDF	0.134 ng/Kg	0.134U ng/Kg
DUP-19-SA5DN-QC-070611(RES)	2,3,4,7,8-PECDF	0.192 ng/Kg	0.192U ng/Kg
DUP-19-SA5DN-QC-070611(RES)	OCDD	0.894 ng/Kg	0.894U ng/Kg
DUP-19-SA5DN-QC-070611(RES)	OCDF	0.148 ng/Kg	0.148U ng/Kg
SL-186-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.631 ng/Kg	0.631U ng/Kg
SL-186-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.434 ng/Kg	0.434U ng/Kg
SL-186-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0846 ng/Kg	0.0846U ng/Kg
SL-186-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0198 ng/Kg	0.0198U ng/Kg
SL-186-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.0881 ng/Kg	0.0881U ng/Kg
SL-186-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.0412 ng/Kg	0.0412U ng/Kg
SL-186-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0605 ng/Kg	0.0605U ng/Kg
SL-186-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.0308 ng/Kg	0.0308U ng/Kg
SL-186-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0356 ng/Kg	0.0356U ng/Kg
SL-186-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.190 ng/Kg	0.190U ng/Kg
SL-186-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.119 ng/Kg	0.119U ng/Kg
SL-186-SA5DN-SB-9.0-10.0(RES)	OCDD	3.44 ng/Kg	3.44U ng/Kg
SL-186-SA5DN-SB-9.0-10.0(RES)	OCDF	0.378 ng/Kg	0.378U ng/Kg
SL-190-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.461 ng/Kg	0.461U ng/Kg
SL-190-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.335 ng/Kg	0.335U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:45:57 AM

ADR version 1.4.0.111

Page 1 of 5

Method Blank Outlier Report

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-190-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0872 ng/Kg	0.0872U ng/Kg
SL-190-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0956 ng/Kg	0.0956U ng/Kg
SL-190-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0765 ng/Kg	0.0765U ng/Kg
SL-190-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0610 ng/Kg	0.0610U ng/Kg
SL-190-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.171 ng/Kg	0.171U ng/Kg
SL-190-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0214 ng/Kg	0.0214U ng/Kg
SL-190-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.171 ng/Kg	0.171U ng/Kg
SL-190-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.102 ng/Kg	0.102U ng/Kg
SL-190-SA5DN-SB-4.0-5.0(RES)	OCDD	1.02 ng/Kg	1.02U ng/Kg
SL-190-SA5DN-SB-4.0-5.0(RES)	OCDF	0.328 ng/Kg	0.328U ng/Kg
SL-190-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.536 ng/Kg	0.536U ng/Kg
SL-190-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.461 ng/Kg	0.461U ng/Kg
SL-190-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.124 ng/Kg	0.124U ng/Kg
SL-190-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0571 ng/Kg	0.0571U ng/Kg
SL-190-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.157 ng/Kg	0.157U ng/Kg
SL-190-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0543 ng/Kg	0.0543U ng/Kg
SL-190-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.104 ng/Kg	0.104U ng/Kg
SL-190-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0672 ng/Kg	0.0672U ng/Kg
SL-190-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0537 ng/Kg	0.0537U ng/Kg
SL-190-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.113 ng/Kg	0.113U ng/Kg
SL-190-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.220 ng/Kg	0.220U ng/Kg
SL-190-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.184 ng/Kg	0.184U ng/Kg
SL-190-SA5DN-SB-9.0-10.0(RES)	OCDD	1.26 ng/Kg	1.26U ng/Kg
SL-190-SA5DN-SB-9.0-10.0(RES)	OCDF	0.384 ng/Kg	0.384U ng/Kg
SL-191-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.535 ng/Kg	0.535U ng/Kg
SL-191-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.212 ng/Kg	0.212U ng/Kg
SL-191-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.107 ng/Kg	0.107U ng/Kg
SL-191-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.255 ng/Kg	0.255U ng/Kg
SL-191-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.225 ng/Kg	0.225U ng/Kg
SL-191-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.212 ng/Kg	0.212U ng/Kg
SL-191-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.220 ng/Kg	0.220U ng/Kg
SL-191-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.280 ng/Kg	0.280U ng/Kg
SL-191-SA5DN-SB-4.0-5.0(RES)	OCDD	1.53 ng/Kg	1.53U ng/Kg
SL-191-SA5DN-SB-4.0-5.0(RES)	OCDF	0.190 ng/Kg	0.190U ng/Kg
SL-191-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	1.31 ng/Kg	1.31U ng/Kg
SL-191-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.318 ng/Kg	0.318U ng/Kg
SL-191-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0708 ng/Kg	0.0708U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:45:57 AM

ADR version 1.4.0.111

Page 2 of 5

Method Blank Outlier Report

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-191-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.119 ng/Kg	0.119U ng/Kg
SL-191-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.212 ng/Kg	0.212U ng/Kg
SL-191-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.212 ng/Kg	0.212U ng/Kg
SL-191-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.179 ng/Kg	0.179U ng/Kg
SL-191-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.170 ng/Kg	0.170U ng/Kg
SL-191-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.375 ng/Kg	0.375U ng/Kg
SL-191-SA5DN-SB-9.0-10.0(RES)	OCDF	0.495 ng/Kg	0.495U ng/Kg
SL-192-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.679 ng/Kg	0.679U ng/Kg
SL-192-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.406 ng/Kg	0.406U ng/Kg
SL-192-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.114 ng/Kg	0.114U ng/Kg
SL-192-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0209 ng/Kg	0.0209U ng/Kg
SL-192-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.106 ng/Kg	0.106U ng/Kg
SL-192-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.0863 ng/Kg	0.0863U ng/Kg
SL-192-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0637 ng/Kg	0.0637U ng/Kg
SL-192-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.113 ng/Kg	0.113U ng/Kg
SL-192-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0193 ng/Kg	0.0193U ng/Kg
SL-192-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0400 ng/Kg	0.0400U ng/Kg
SL-192-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.200 ng/Kg	0.200U ng/Kg
SL-192-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.102 ng/Kg	0.102U ng/Kg
SL-192-SA5DN-SB-9.0-10.0(RES)	OCDD	3.14 ng/Kg	3.14U ng/Kg
SL-192-SA5DN-SB-9.0-10.0(RES)	OCDF	0.412 ng/Kg	0.412U ng/Kg
SL-200-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.461 ng/Kg	0.461U ng/Kg
SL-200-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.133 ng/Kg	0.133U ng/Kg
SL-200-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.134 ng/Kg	0.134U ng/Kg
SL-200-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0640 ng/Kg	0.0640U ng/Kg
SL-200-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.105 ng/Kg	0.105U ng/Kg
SL-200-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.122 ng/Kg	0.122U ng/Kg
SL-200-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0923 ng/Kg	0.0923U ng/Kg
SL-200-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.239 ng/Kg	0.239U ng/Kg
SL-200-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.110 ng/Kg	0.110U ng/Kg
SL-200-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0985 ng/Kg	0.0985U ng/Kg
SL-200-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.157 ng/Kg	0.157U ng/Kg
SL-200-SA5DN-SB-4.0-5.0(RES)	OCDD	0.827 ng/Kg	0.827U ng/Kg
SL-200-SA5DN-SB-4.0-5.0(RES)	OCDF	0.264 ng/Kg	0.264U ng/Kg
SL-200-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.532 ng/Kg	0.532U ng/Kg
SL-200-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.177 ng/Kg	0.177U ng/Kg
SL-200-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.128 ng/Kg	0.128U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:45:57 AM

ADR version 1.4.0.111

Page 3 of 5

Method Blank Outlier Report

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-200-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0774 ng/Kg	0.0774U ng/Kg
SL-200-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.111 ng/Kg	0.111U ng/Kg
SL-200-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.0883 ng/Kg	0.0883U ng/Kg
SL-200-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0999 ng/Kg	0.0999U ng/Kg
SL-200-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.148 ng/Kg	0.148U ng/Kg
SL-200-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0794 ng/Kg	0.0794U ng/Kg
SL-200-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0724 ng/Kg	0.0724U ng/Kg
SL-200-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.126 ng/Kg	0.126U ng/Kg
SL-200-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.124 ng/Kg	0.124U ng/Kg
SL-200-SA5DN-SB-9.0-10.0(RES)	OCDD	1.08 ng/Kg	1.08U ng/Kg
SL-200-SA5DN-SB-9.0-10.0(RES)	OCDF	0.354 ng/Kg	0.354U ng/Kg
SL-201-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.490 ng/Kg	0.490U ng/Kg
SL-201-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.118 ng/Kg	0.118U ng/Kg
SL-201-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0781 ng/Kg	0.0781U ng/Kg
SL-201-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0221 ng/Kg	0.0221U ng/Kg
SL-201-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0473 ng/Kg	0.0473U ng/Kg
SL-201-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0871 ng/Kg	0.0871U ng/Kg
SL-201-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0409 ng/Kg	0.0409U ng/Kg
SL-201-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.166 ng/Kg	0.166U ng/Kg
SL-201-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0374 ng/Kg	0.0374U ng/Kg
SL-201-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0473 ng/Kg	0.0473U ng/Kg
SL-201-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0637 ng/Kg	0.0637U ng/Kg
SL-201-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0552 ng/Kg	0.0552U ng/Kg
SL-201-SA5DN-SB-4.0-5.0(RES)	OCDD	1.15 ng/Kg	1.15U ng/Kg
SL-201-SA5DN-SB-4.0-5.0(RES)	OCDF	0.166 ng/Kg	0.166U ng/Kg
SL-201-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.431 ng/Kg	0.431U ng/Kg
SL-201-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.100 ng/Kg	0.100U ng/Kg
SL-201-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0429 ng/Kg	0.0429U ng/Kg
SL-201-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.0401 ng/Kg	0.0401U ng/Kg
SL-201-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.0443 ng/Kg	0.0443U ng/Kg
SL-201-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0303 ng/Kg	0.0303U ng/Kg
SL-201-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.0509 ng/Kg	0.0509U ng/Kg
SL-201-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0286 ng/Kg	0.0286U ng/Kg
SL-201-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0257 ng/Kg	0.0257U ng/Kg
SL-201-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.0731 ng/Kg	0.0731U ng/Kg
SL-201-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0566 ng/Kg	0.0566U ng/Kg
SL-201-SA5DN-SB-9.0-10.0(RES)	OCDD	0.844 ng/Kg	0.844U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:45:57 AM

ADR version 1.4.0.111

Page 4 of 5

Method Blank Outlier Report

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-201-SA5DN-SB-9.0-10.0(RES)	OCDF	0.169 ng/Kg	0.169U ng/Kg
SL-205-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.362 ng/Kg	0.362U ng/Kg
SL-205-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0790 ng/Kg	0.0790U ng/Kg
SL-205-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0520 ng/Kg	0.0520U ng/Kg
SL-205-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0338 ng/Kg	0.0338U ng/Kg
SL-205-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.113 ng/Kg	0.113U ng/Kg
SL-205-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0272 ng/Kg	0.0272U ng/Kg
SL-205-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.349 ng/Kg	0.349U ng/Kg
SL-205-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0256 ng/Kg	0.0256U ng/Kg
SL-205-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0979 ng/Kg	0.0979U ng/Kg
SL-205-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0440 ng/Kg	0.0440U ng/Kg
SL-205-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0456 ng/Kg	0.0456U ng/Kg
SL-205-SA5DN-SB-4.0-5.0(RES)	OCDD	0.856 ng/Kg	0.856U ng/Kg
SL-205-SA5DN-SB-4.0-5.0(RES)	OCDF	0.183 ng/Kg	0.183U ng/Kg
SL-205-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.506 ng/Kg	0.506U ng/Kg
SL-205-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.131 ng/Kg	0.131U ng/Kg
SL-205-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0545 ng/Kg	0.0545U ng/Kg
SL-205-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0298 ng/Kg	0.0298U ng/Kg
SL-205-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0550 ng/Kg	0.0550U ng/Kg
SL-205-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0610 ng/Kg	0.0610U ng/Kg
SL-205-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0469 ng/Kg	0.0469U ng/Kg
SL-205-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0981 ng/Kg	0.0981U ng/Kg
SL-205-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0580 ng/Kg	0.0580U ng/Kg
SL-205-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0883 ng/Kg	0.0883U ng/Kg
SL-205-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0853 ng/Kg	0.0853U ng/Kg
SL-205-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0982 ng/Kg	0.0982U ng/Kg
SL-205-SA5DN-SB-9.0-10.0(RES)	OCDD	1.31 ng/Kg	1.31U ng/Kg
SL-205-SA5DN-SB-9.0-10.0(RES)	OCDF	0.246 ng/Kg	0.246U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 9:45:57 AM

ADR version 1.4.0.111

Page 5 of 5

Field Duplicate RPD Report

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-200-SA5DN-SB-4.0-5.0	DUP-19-SA5DN-QC-070611			
MOISTURE	13.7	14.5	6		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-200-SA5DN-SB-4.0-5.0	DUP-19-SA5DN-QC-070611			
1,2,3,4,6,7,8-HPCDD	0.461	0.417	10	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	0.133	0.122	9	50.00	
1,2,3,4,7,8-HxCDD	0.0640	0.0811	24	50.00	
1,2,3,4,7,8-HxCDF	0.105	0.117	11	50.00	
1,2,3,6,7,8-HxCDD	0.122	0.126	3	50.00	
1,2,3,6,7,8-HxCDF	0.0923	0.132	35	50.00	
1,2,3,7,8,9-HxCDD	0.239	0.217	10	50.00	
1,2,3,7,8,9-HxCDF	0.349	0.290	18	50.00	
1,2,3,7,8-PECDD	0.110	0.171	43	50.00	
1,2,3,7,8-PECDF	0.191	0.224	16	50.00	
2,3,4,6,7,8-HxCDF	0.0985	0.134	31	50.00	
2,3,4,7,8-PECDF	0.157	0.192	20	50.00	
2,3,7,8-TCDF	0.0390	0.0648	50	50.00	
OCDD	0.827	0.894	8	50.00	
1,2,3,4,7,8,9-HPCDF	0.134	0.0741	58	50.00	J(all detects)
2,3,7,8-TCDD	0.0682	0.0386	55	50.00	
OCDF	0.264	0.148	56	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP-19-SA5DN-QC-070611	1,2,3,4,6,7,8-HPCDD	JB	0.417	5.57	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.122	5.57	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0741	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0811	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.117	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.126	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.132	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.217	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.290	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.171	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.224	5.57	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.134	5.57	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.192	5.57	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0386	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0648	1.11	PQL	ng/Kg	
	OCDD	JB	0.894	11.1	PQL	ng/Kg	
	OCDF	JB	0.148	11.1	PQL	ng/Kg	
SL-186-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.631	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.434	5.71	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0846	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0198	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0881	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0412	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0605	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0308	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JQ	0.0775	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0356	5.71	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.190	5.71	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.119	5.71	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0136	1.14	PQL	ng/Kg	
	OCDD	JB	3.44	11.4	PQL	ng/Kg	
	OCDF	JB	0.378	11.4	PQL	ng/Kg	
SL-190-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.461	5.74	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.335	5.74	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0872	5.74	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0956	5.74	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0765	5.74	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0610	5.74	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.171	5.74	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.306	5.74	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0214	5.74	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.171	5.74	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.102	5.74	PQL	ng/Kg	
	OCDD	JB	1.02	11.5	PQL	ng/Kg	
	OCDF	JB	0.328	11.5	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-190-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.536	5.79	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.461	5.79	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.124	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0571	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.157	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0543	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.104	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0672	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.0905	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0537	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.113	5.79	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.220	5.79	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.184	5.79	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0181	1.16	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0268	1.16	PQL	ng/Kg	
	OCDD	JB	1.26	11.6	PQL	ng/Kg	
	OCDF	JB	0.384	11.6	PQL	ng/Kg	
SL-191-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.535	5.70	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.212	5.70	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.107	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.148	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.255	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.308	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.225	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.497	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.624	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.212	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.382	5.70	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.220	5.70	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.280	5.70	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0619	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0571	1.14	PQL	ng/Kg	
	OCDD	JB	1.53	11.4	PQL	ng/Kg	
	OCDF	JB	0.190	11.4	PQL	ng/Kg	
SL-191-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	1.31	5.82	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.318	5.82	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0708	5.82	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.119	5.82	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.212	5.82	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.177	5.82	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.212	5.82	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.179	5.82	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.213	5.82	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.272	5.82	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.436	5.82	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.170	5.82	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.375	5.82	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.127	1.16	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.105	1.16	PQL	ng/Kg	
	OCDD	JB	9.64	11.6	PQL	ng/Kg	
	OCDF	JB	0.495	11.6	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-192-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.679	5.75	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.406	5.75	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.114	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0209	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.106	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0863	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0637	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.113	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JQ	0.159	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0193	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0400	5.75	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.200	5.75	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.102	5.75	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0131	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0138	1.15	PQL	ng/Kg	
	OCDD	JB	3.14	11.5	PQL	ng/Kg	
	OCDF	JB	0.412	11.5	PQL	ng/Kg	
SL-200-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.461	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.133	5.53	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.134	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0640	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.105	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.122	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0923	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.239	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.349	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.110	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.191	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0985	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.157	5.53	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0682	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0390	1.11	PQL	ng/Kg	
	OCDD	JB	0.827	11.1	PQL	ng/Kg	
	OCDF	JBQ	0.264	11.1	PQL	ng/Kg	
SL-200-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.532	5.81	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.177	5.81	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.128	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0774	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.111	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0883	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0999	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.148	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.158	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0794	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0724	5.81	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.126	5.81	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.124	5.81	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0280	1.16	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0182	1.16	PQL	ng/Kg	
	OCDD	JB	1.08	11.6	PQL	ng/Kg	
	OCDF	JB	0.354	11.6	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-201-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.490	5.83	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.118	5.83	PQL	ng/Kg	
	1,2,3,4,7,8-HPCDF	JBQ	0.0781	5.83	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0221	5.83	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0473	5.83	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0871	5.83	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0409	5.83	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.166	5.83	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.231	5.83	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0374	5.83	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0473	5.83	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0637	5.83	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0552	5.83	PQL	ng/Kg	
	OCDD	JB	1.15	11.7	PQL	ng/Kg	
	OCDF	JB	0.166	11.7	PQL	ng/Kg	
SL-201-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.431	5.81	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.100	5.81	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0429	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0401	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0443	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0303	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0509	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.0367	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0286	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0257	5.81	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0731	5.81	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0566	5.81	PQL	ng/Kg	
	OCDD	JB	0.844	11.6	PQL	ng/Kg	
	OCDF	JBQ	0.169	11.6	PQL	ng/Kg	
SL-205-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.362	5.69	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0790	5.69	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0520	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0338	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.113	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0272	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.349	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.434	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0256	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0979	5.69	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0440	5.69	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0456	5.69	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0117	1.14	PQL	ng/Kg	
	OCDD	JB	0.856	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.183	11.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX108

Laboratory: LL

EDD Filename: DX108_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-205-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.506	5.79	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.131	5.79	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0545	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0298	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0550	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0610	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0469	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0981	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JQ	0.0910	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0580	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0883	5.79	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0853	5.79	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0982	5.79	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0210	1.16	PQL	ng/Kg	
	OCDD	JB	1.31	11.6	PQL	ng/Kg	
	OCDF	JB	0.246	11.6	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX109

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
7-July-2011	DUP20-SA5DN-QC-070711	6338375	FD	METHOD	1613B	III
7-July-2011	SL-164-SA5DN-SB-9.0-10.0	6338364	N	METHOD	1613B	III
7-July-2011	SL-166-SA5DN-SB-4.0-5.0	6338365	N	METHOD	1613B	III
7-July-2011	SL-166-SA5DN-SB-4.0-5.0MS	6338366	MS	METHOD	1613B	III
7-July-2011	SL-166-SA5DN-SB-4.0-5.0MSD	6338367	MSD	METHOD	1613B	III
7-July-2011	SL-166-SA5DN-SB-9.0-10.0	6338368	N	METHOD	1613B	III
7-July-2011	SL-167-SA5DN-SB-4.0-5.0	6338369	N	METHOD	1613B	III
7-July-2011	SL-167-SA5DN-SB-9.0-10.0	6338370	N	METHOD	1613B	III
7-July-2011	SL-168-SA5DN-SB-4.0-5.0	6338371	N	METHOD	1613B	III
7-July-2011	SL-168-SA5DN-SB-9.0-10.0	6338372	N	METHOD	1613B	III
7-July-2011	SL-164-SA5DN-SB-4.0-5.0	6338363	N	METHOD	1613B	III
7-July-2011	SL-169-SA5DN-SB-7.5-8.5	6338374	N	METHOD	1613B	III
7-July-2011	EB21-SA5DN-SB-070711	6338376	EB	METHOD	1613B	III
7-July-2011	SL-169-SA5DN-SB-4.0-5.0	6338373	N	METHOD	1613B	III
8-July-2011	SL-159-SA5DN-SB-9.0-10.0	6339526	N	METHOD	1613B	III
8-July-2011	SL-155-SA5DN-SB-4.0-5.0	6339517	N	METHOD	1613B	III
8-July-2011	SL-155-SA5DN-SB-9.0-10.0	6339518	N	METHOD	1613B	III
8-July-2011	SL-156-SA5DN-SB-4.0-5.0	6339519	N	METHOD	1613B	III
8-July-2011	SL-156-SA5DN-SB-9.0-10.0	6339520	N	METHOD	1613B	III
8-July-2011	SL-157-SA5DN-SB-4.0-5.0	6339521	N	METHOD	1613B	III
8-July-2011	SL-157-SA5DN-SB-9.0-10.0	6339522	N	METHOD	1613B	III
8-July-2011	SL-158-SA5DN-SB-4.0-5.0	6339523	N	METHOD	1613B	III
8-July-2011	SL-158-SA5DN-SB-9.0-10.0	6339524	N	METHOD	1613B	III
8-July-2011	SL-159-SA5DN-SB-4.0-5.0	6339525	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: AQ

Sample ID: EB21-SA5DN-SB-070711

Collected: 7/7/2011 1:30:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	7.63	JB	0.484	MDL	10.2	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	1.41	JB	0.140	MDL	10.2	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.290	JBQ	0.181	MDL	10.2	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.583	JBQ	0.183	MDL	10.2	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	0.533	JBQ	0.285	MDL	10.2	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.258	JBQ	0.174	MDL	10.2	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.526	JBQ	0.300	MDL	10.2	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.475	JBQ	0.217	MDL	10.2	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.235	JBQ	0.202	MDL	10.2	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.505	JBQ	0.175	MDL	10.2	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.411	JBQ	0.173	MDL	10.2	PQL	pg/L	U	B
OCDD	13.8	JB	0.447	MDL	20.4	PQL	pg/L	U	B
OCDF	1.56	JBQ	0.544	MDL	20.4	PQL	pg/L	U	B

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP20-SA5DN-QC-070711

Collected: 7/7/2011 9:40:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.412	JB	0.0331	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0758	JBQ	0.00746	MDL	5.77	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8,9-HPCDF	0.0217	JBQ	0.0147	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0235	JBQ	0.0126	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0396	JBQ	0.0224	MDL	5.77	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HXCDF	0.0178	JBQ	0.0105	MDL	5.77	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDD	0.114	JBQ	0.0225	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.114	JBQ	0.0146	MDL	5.77	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.0496	JQ	0.0262	MDL	5.77	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDF	0.0118	U	0.0118	MDL	5.77	PQL	ng/Kg	UJ	FD
2,3,4,6,7,8-HXCDF	0.0362	JBQ	0.0119	MDL	5.77	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.0120	U	0.0120	MDL	5.77	PQL	ng/Kg	UJ	FD
2,3,7,8-TCDD	0.0297	U	0.0297	MDL	1.15	PQL	ng/Kg	UJ	FD
OCDD	1.04	JB	0.0210	MDL	11.5	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:51 AM

ADR version 1.4.0.111

Page 1 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP20-SA5DN-QC-070711

Collected: 7/7/2011 9:40:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	0.121	JBQ	0.0453	MDL	11.5	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-155-SA5DN-SB-4.0-5.0

Collected: 7/8/2011 8:45:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCCD	0.474	JB	0.0300	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0630	JBQ	0.00699	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0373	JB	0.0151	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0257	JBQ	0.0120	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0683	JBQ	0.0190	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0169	JBQ	0.0102	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0993	JBQ	0.0194	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.101	JB	0.0152	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0314	JBQ	0.0101	MDL	5.63	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0331	JBQ	0.0118	MDL	5.63	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0415	JBQ	0.0102	MDL	5.63	PQL	ng/Kg	U	B
OCDD	1.09	JB	0.0222	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.131	JBQ	0.0364	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-155-SA5DN-SB-9.0-10.0

Collected: 7/8/2011 8:50:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCCD	0.510	JB	0.0333	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0656	JB	0.00755	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0255	JBQ	0.0132	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0265	J	0.0218	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0252	JBQ	0.0151	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0455	JBQ	0.0208	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0315	JBQ	0.0146	MDL	5.87	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0301	JB	0.0126	MDL	5.87	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0704	JBQ	0.0121	MDL	5.87	PQL	ng/Kg	U	B
OCDD	2.11	JB	0.0259	MDL	11.7	PQL	ng/Kg	U	B
OCDF	0.130	JB	0.0410	MDL	11.7	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:51 AM

ADR version 1.4.0.111

Page 2 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-156-SA5DN-SB-4.0-5.0

Collected: 7/8/2011 1:40:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.561	JB	0.0432	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.112	JB	0.0113	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0332	JQ	0.0286	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.104	JBQ	0.0287	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0585	JBQ	0.0166	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.112	JB	0.0290	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.175	JB	0.0203	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0578	JQ	0.0391	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0703	JBQ	0.0150	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0569	JBQ	0.0176	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0910	JBQ	0.0150	MDL	5.69	PQL	ng/Kg	U	B
OCDD	1.81	JB	0.0290	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.167	JBQ	0.0591	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-156-SA5DN-SB-9.0-10.0

Collected: 7/8/2011 1:45:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.533	JBQ	0.0351	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0978	JB	0.0129	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0510	JBQ	0.0191	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0720	JQ	0.0251	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.0925	JBQ	0.0218	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0741	JBQ	0.0251	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0848	JBQ	0.0188	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.109	JB	0.0240	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0896	JB	0.0191	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.116	JQ	0.0287	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.178	JB	0.0155	MDL	5.67	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0743	JBQ	0.0149	MDL	5.67	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.146	JB	0.0151	MDL	5.67	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0657	JB	0.0396	MDL	1.13	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0633	JQ	0.0328	MDL	1.13	PQL	ng/Kg	J	Z
OCDD	2.52	JB	0.0325	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.211	JBQ	0.0497	MDL	11.3	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:51 AM

ADR version 1.4.0.111

Page 3 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-157-SA5DN-SB-4.0-5.0

Collected: 7/8/2011 11:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.416	JB	0.0354	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0944	JB	0.00979	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0490	JBQ	0.0188	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0551	J	0.0265	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.109	JB	0.0196	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.128	JBQ	0.0272	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0926	JBQ	0.0167	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.204	JB	0.0277	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.325	JBQ	0.0227	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.167	JQ	0.0347	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.224	JB	0.0164	MDL	5.64	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0868	JBQ	0.0171	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.170	JBQ	0.0162	MDL	5.64	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0861	JBQ	0.0391	MDL	1.13	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0535	JQ	0.0379	MDL	1.13	PQL	ng/Kg	J	Z
OCDD	0.877	JB	0.0269	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.150	JBQ	0.0469	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-157-SA5DN-SB-9.0-10.0

Collected: 7/8/2011 11:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.394	JB	0.0299	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0835	JB	0.00835	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0657	JBQ	0.0138	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0557	JQ	0.0220	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.0636	JBQ	0.0198	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0591	JBQ	0.0215	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0775	JBQ	0.0162	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0809	JBQ	0.0225	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0660	JBQ	0.0168	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0603	JQ	0.0285	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.114	JBQ	0.0133	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0568	JBQ	0.0126	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.120	JB	0.0134	MDL	5.81	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:51 AM

ADR version 1.4.0.111

Page 4 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-157-SA5DN-SB-9.0-10.0			Collected: 7/8/2011 11:10:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDD	1.12	JB	0.0216	MDL	11.6	PQL	ng/Kg	U	B
OCDF	0.160	JB	0.0400	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-158-SA5DN-SB-4.0-5.0			Collected: 7/8/2011 10:00:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.487	JB	0.0299	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.125	JB	0.00898	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0608	JB	0.0166	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0746	JQ	0.0235	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0870	JB	0.0193	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.141	JB	0.0227	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0886	JB	0.0166	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.200	JB	0.0221	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.362	JB	0.0175	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0788	J	0.0293	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0955	JBQ	0.0137	MDL	5.57	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0861	JB	0.0159	MDL	5.57	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0902	JBQ	0.0130	MDL	5.57	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0510	JB	0.0330	MDL	1.11	PQL	ng/Kg	U	B
OCDD	1.06	JB	0.0268	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.198	JBQ	0.0400	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-158-SA5DN-SB-9.0-10.0			Collected: 7/8/2011 10:05:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.585	JBQ	0.0272	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.107	JB	0.00738	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0317	JB	0.0143	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0233	JQ	0.0217	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0388	JBQ	0.0148	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0317	JBQ	0.0223	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0223	JBQ	0.0122	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0679	JB	0.0208	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0560	JBQ	0.0152	MDL	5.67	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:52 AM

ADR version 1.4.0.111

Page 5 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-158-SA5DN-SB-9.0-10.0

Collected: 7/8/2011 10:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDD	0.0303	JQ	0.0265	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0256	JBQ	0.0135	MDL	5.67	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0477	JBQ	0.0116	MDL	5.67	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0414	JBQ	0.0130	MDL	5.67	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0351	JQ	0.0332	MDL	1.13	PQL	ng/Kg	J	Z
OCDD	2.39	JB	0.0209	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.187	JB	0.0406	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-159-SA5DN-SB-4.0-5.0

Collected: 7/8/2011 2:55:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.397	JB	0.0277	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0536	JBQ	0.00715	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0178	JBQ	0.0145	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.167	JBQ	0.0235	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0273	JBQ	0.0160	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.243	JBQ	0.0233	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.541	JB	0.0188	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.129	JBQ	0.0140	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0256	JB	0.0135	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0612	JBQ	0.0144	MDL	5.73	PQL	ng/Kg	U	B
OCDD	0.901	JB	0.0225	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.0585	JBQ	0.0474	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-159-SA5DN-SB-9.0-10.0

Collected: 7/8/2011 3:00:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.445	JB	0.0261	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0993	JB	0.00955	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0685	JB	0.0231	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0446	JBQ	0.0135	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0392	JBQ	0.0194	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0337	JB	0.0105	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0766	JB	0.0198	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.117	J	0.0176	MDL	5.66	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:52 AM

ADR version 1.4.0.111

Page 6 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-159-SA5DN-SB-9.0-10.0

Collected: 7/8/2011 3:00:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDD	0.0266	JBQ	0.0153	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0347	JBQ	0.00783	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0483	JB	0.0121	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0484	JBQ	0.00794	MDL	5.66	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0348	J	0.0158	MDL	1.13	PQL	ng/Kg	J	Z
OCDD	0.827	JB	0.0281	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.213	JBQ	0.0372	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-164-SA5DN-SB-4.0-5.0

Collected: 7/7/2011 8:05:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.509	JB	0.0349	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.143	JB	0.00866	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0141	JB	0.0141	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0217	JBQ	0.0166	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0500	JBQ	0.0223	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0463	JBQ	0.0143	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0839	JBQ	0.0226	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.120	JBQ	0.0192	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0664	JBQ	0.0156	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0595	JBQ	0.0137	MDL	5.72	PQL	ng/Kg	U	B
OCDD	1.17	JB	0.0239	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.0912	JBQ	0.0378	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-164-SA5DN-SB-9.0-10.0

Collected: 7/7/2011 8:10:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.692	JB	0.0325	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.193	JBQ	0.0101	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0326	JBQ	0.0162	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0264	JQ	0.0206	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0494	JBQ	0.0155	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0536	JBQ	0.0204	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0372	JBQ	0.0138	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0596	JB	0.0220	MDL	5.69	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:52 AM

ADR version 1.4.0.111

Page 7 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-164-SA5DN-SB-9.0-10.0

Collected: 7/7/2011 8:10:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	0.0239	JBQ	0.0167	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0144	JBQ	0.0138	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0625	JB	0.0157	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0459	JBQ	0.0128	MDL	5.69	PQL	ng/Kg	U	B
OCDD	2.23	JB	0.0221	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.168	JBQ	0.0352	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-166-SA5DN-SB-4.0-5.0

Collected: 7/7/2011 9:35:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.546	JB	0.0346	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.216	JB	0.00922	MDL	5.71	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8,9-HPCDF	0.0360	JBQ	0.0151	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0353	JBQ	0.0184	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0227	U	0.0227	MDL	5.71	PQL	ng/Kg	UJ	FD
1,2,3,6,7,8-HXCDF	0.0427	JB	0.0162	MDL	5.71	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDD	0.107	JB	0.0225	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.202	JB	0.0227	MDL	5.71	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.0251	U	0.0251	MDL	5.71	PQL	ng/Kg	UJ	FD
1,2,3,7,8-PECDF	0.0301	JBQ	0.0132	MDL	5.71	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HXCDF	0.0781	JB	0.0172	MDL	5.71	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.0580	JBQ	0.0128	MDL	5.71	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0340	JBQ	0.0340	MDL	1.14	PQL	ng/Kg	UJ	B, FD
OCDD	1.20	JB	0.0220	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.207	JBQ	0.0382	MDL	11.4	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-166-SA5DN-SB-9.0-10.0

Collected: 7/7/2011 9:30:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.536	JB	0.0361	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.169	JBQ	0.0121	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0605	JBQ	0.0198	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0356	JQ	0.0265	MDL	5.78	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0837	JBQ	0.0169	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0667	JBQ	0.0254	MDL	5.78	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:52 AM

ADR version 1.4.0.111

Page 8 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-166-SA5DN-SB-9.0-10.0

Collected: 7/7/2011 9:30:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDF	0.0614	JB	0.0157	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0793	JBQ	0.0249	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0771	JBQ	0.0183	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0663	JQ	0.0251	MDL	5.78	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0341	JB	0.0148	MDL	5.78	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.103	JB	0.0161	MDL	5.78	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0890	JBQ	0.0143	MDL	5.78	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0439	JBQ	0.0326	MDL	1.16	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0302	JQ	0.0271	MDL	1.16	PQL	ng/Kg	J	Z
OCDD	1.47	JBQ	0.0217	MDL	11.6	PQL	ng/Kg	U	B
OCDF	0.270	JB	0.0403	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-167-SA5DN-SB-4.0-5.0

Collected: 7/7/2011 10:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.610	JB	0.0389	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.274	JB	0.0115	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0399	JBQ	0.0199	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0792	JBQ	0.0207	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0433	JBQ	0.0265	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0590	JB	0.0185	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0801	JBQ	0.0265	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0799	JB	0.0215	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0249	JBQ	0.0157	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0965	JBQ	0.0189	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0816	JB	0.0152	MDL	5.75	PQL	ng/Kg	U	B
OCDD	1.75	JB	0.0317	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.232	JB	0.0457	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-167-SA5DN-SB-9.0-10.0

Collected: 7/7/2011 10:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.605	JB	0.0350	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.318	JB	0.0115	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0758	JB	0.0176	MDL	5.79	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:52 AM

ADR version 1.4.0.111

Page 9 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-167-SA5DN-SB-9.0-10.0

Collected: 7/7/2011 10:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HxCDD	0.127	JQ	0.0282	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.112	JBQ	0.0183	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.118	JB	0.0265	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0976	JB	0.0171	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.124	JBQ	0.0273	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0984	JBQ	0.0213	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.148	J	0.0294	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.163	JB	0.0147	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.100	JBQ	0.0173	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.187	JBQ	0.0144	MDL	5.79	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0480	JBQ	0.0293	MDL	1.16	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0425	JQ	0.0273	MDL	1.16	PQL	ng/Kg	J	Z
OCDD	1.84	JB	0.0219	MDL	11.6	PQL	ng/Kg	U	B
OCDF	0.219	JBQ	0.0394	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-168-SA5DN-SB-4.0-5.0

Collected: 7/7/2011 1:25:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.467	JB	0.0364	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.249	JBQ	0.0124	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.102	JB	0.0222	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.137	JQ	0.0298	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.192	JB	0.0234	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.135	JBQ	0.0286	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.198	JBQ	0.0203	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.126	JBQ	0.0277	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.120	JB	0.0238	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.281	J	0.0348	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.347	JB	0.0176	MDL	5.87	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.154	JB	0.0214	MDL	5.87	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.284	JBQ	0.0169	MDL	5.87	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0773	JBQ	0.0405	MDL	1.17	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0335	JQ	0.0328	MDL	1.17	PQL	ng/Kg	J	Z
OCDD	1.27	JB	0.0253	MDL	11.7	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:52 AM

ADR version 1.4.0.111

Page 10 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-168-SA5DN-SB-4.0-5.0

Collected: 7/7/2011 1:25:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	0.274	JBQ	0.0463	MDL	11.7	PQL	ng/Kg	U	B

Sample ID: SL-168-SA5DN-SB-9.0-10.0

Collected: 7/7/2011 1:15:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.01	JB	0.0349	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.305	JB	0.0114	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0756	JBQ	0.0200	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.103	J	0.0281	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.191	JB	0.0181	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.186	JBQ	0.0279	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.133	JBQ	0.0155	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.128	JB	0.0276	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.125	JB	0.0228	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.215	JQ	0.0256	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.249	JB	0.0155	MDL	5.62	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.176	JBQ	0.0176	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.246	JBQ	0.0146	MDL	5.62	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0570	JBQ	0.0323	MDL	1.12	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0326	JQ	0.0287	MDL	1.12	PQL	ng/Kg	J	Z
OCDD	8.11	JB	0.0293	MDL	11.2	PQL	ng/Kg	J	Z
OCDF	0.299	JBQ	0.0359	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-169-SA5DN-SB-4.0-5.0

Collected: 7/7/2011 2:30:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.545	JB	0.0382	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0984	JBQ	0.00940	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0488	JBQ	0.0192	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0552	JBQ	0.0167	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0642	JBQ	0.0243	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0589	JBQ	0.0148	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0824	JB	0.0252	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0322	JBQ	0.0210	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0892	JQ	0.0296	MDL	5.75	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:52 AM

ADR version 1.4.0.111

Page 11 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-169-SA5DN-SB-4.0-5.0

Collected: 7/7/2011 2:30:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDF	0.0851	JB	0.0139	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0647	JBQ	0.0165	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0974	JB	0.0139	MDL	5.75	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0457	JB	0.0375	MDL	1.15	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0301	JQ	0.0286	MDL	1.15	PQL	ng/Kg	J	Z
OCDD	3.37	JB	0.0295	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.234	JBQ	0.0513	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-169-SA5DN-SB-7.5-8.5

Collected: 7/7/2011 2:35:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.512	JB	0.0348	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0460	JBQ	0.00810	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0196	JB	0.0154	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0348	JB	0.0135	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0269	JB	0.0222	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0215	JBQ	0.0121	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0445	JBQ	0.0214	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0318	JBQ	0.0164	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0317	JBQ	0.0129	MDL	5.63	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0214	JBQ	0.0129	MDL	5.63	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0349	JBQ	0.0125	MDL	5.63	PQL	ng/Kg	U	B
OCDD	1.37	JB	0.0263	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.0888	JB	0.0392	MDL	11.3	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:52 AM

ADR version 1.4.0.111

Page 12 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*#	Professional Judgment
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Laboratory Triplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:52 AM

ADR version 1.4.0.111

Page 13 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Laboratory Triplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:52 AM

ADR version 1.4.0.111

Page 14 of 15

Data Qualifier Summary

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Q	Matrix Spike Upper Rejection
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:52 AM

ADR version 1.4.0.111

Page 15 of 15

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX109

Method Blank Outlier Report

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1990B371537	7/21/2011 3:37:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF OCDD OCDF	4.77 pg/L 1.11 pg/L 0.617 pg/L 0.272 pg/L 0.447 pg/L 0.625 pg/L 0.360 pg/L 0.898 pg/L 0.596 pg/L 0.295 pg/L 0.321 pg/L 0.382 pg/L 0.804 pg/L 9.97 pg/L 1.09 pg/L	EB21-SA5DN-SB-070711

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
EB21-SA5DN-SB-070711(RES)	1,2,3,4,6,7,8-HPCDD	7.63 pg/L	7.63U pg/L
EB21-SA5DN-SB-070711(RES)	1,2,3,4,6,7,8-HPCDF	1.41 pg/L	1.41U pg/L
EB21-SA5DN-SB-070711(RES)	1,2,3,4,7,8,9-HPCDF	0.290 pg/L	0.290U pg/L
EB21-SA5DN-SB-070711(RES)	1,2,3,4,7,8-HxCDF	0.583 pg/L	0.583U pg/L
EB21-SA5DN-SB-070711(RES)	1,2,3,6,7,8-HxCDD	0.533 pg/L	0.533U pg/L
EB21-SA5DN-SB-070711(RES)	1,2,3,6,7,8-HxCDF	0.258 pg/L	0.258U pg/L
EB21-SA5DN-SB-070711(RES)	1,2,3,7,8,9-HxCDD	0.526 pg/L	0.526U pg/L
EB21-SA5DN-SB-070711(RES)	1,2,3,7,8,9-HxCDF	0.475 pg/L	0.475U pg/L
EB21-SA5DN-SB-070711(RES)	1,2,3,7,8-PECDF	0.235 pg/L	0.235U pg/L
EB21-SA5DN-SB-070711(RES)	2,3,4,6,7,8-HxCDF	0.505 pg/L	0.505U pg/L
EB21-SA5DN-SB-070711(RES)	2,3,4,7,8-PECDF	0.411 pg/L	0.411U pg/L
EB21-SA5DN-SB-070711(RES)	OCDD	13.8 pg/L	13.8U pg/L
EB21-SA5DN-SB-070711(RES)	OCDF	1.56 pg/L	1.56U pg/L

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1940B370051	7/15/2011 12:51:00 AM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF OCDD OCDF	0.412 ng/Kg 0.341 ng/Kg 0.120 ng/Kg 0.0278 ng/Kg 0.0977 ng/Kg 0.0321 ng/Kg 0.0810 ng/Kg 0.0698 ng/Kg 0.0474 ng/Kg 0.0366 ng/Kg 0.179 ng/Kg 0.104 ng/Kg 0.823 ng/Kg 0.418 ng/Kg	SL-159-SA5DN-SB-9.0-10.0

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:23 AM

ADR version 1.4.0.111

Page 1 of 9

Method Blank Outlier Report

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1990B371952	7/19/2011 7:52:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HXCDF 1,2,3,6,7,8-HXCDD 1,2,3,6,7,8-HXCDF 1,2,3,7,8,9-HXCDD 1,2,3,7,8,9-HXCDF 1,2,3,7,8-PECDF 2,3,4,6,7,8-HXCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD OCDD OCDF	0.470 ng/Kg 0.209 ng/Kg 0.0716 ng/Kg 0.0659 ng/Kg 0.0305 ng/Kg 0.0477 ng/Kg 0.0428 ng/Kg 0.0659 ng/Kg 0.0333 ng/Kg 0.0994 ng/Kg 0.0663 ng/Kg 0.0555 ng/Kg 0.857 ng/Kg 0.281 ng/Kg	DUP20-SA5DN-QC-070711 SL-155-SA5DN-SB-4.0-5.0 SL-155-SA5DN-SB-9.0-10.0 SL-156-SA5DN-SB-4.0-5.0 SL-156-SA5DN-SB-9.0-10.0 SL-157-SA5DN-SB-4.0-5.0 SL-157-SA5DN-SB-9.0-10.0 SL-158-SA5DN-SB-4.0-5.0 SL-158-SA5DN-SB-9.0-10.0 SL-159-SA5DN-SB-4.0-5.0 SL-164-SA5DN-SB-4.0-5.0 SL-164-SA5DN-SB-9.0-10.0 SL-166-SA5DN-SB-4.0-5.0 SL-166-SA5DN-SB-9.0-10.0 SL-167-SA5DN-SB-4.0-5.0 SL-167-SA5DN-SB-9.0-10.0 SL-168-SA5DN-SB-4.0-5.0 SL-168-SA5DN-SB-9.0-10.0 SL-169-SA5DN-SB-4.0-5.0 SL-169-SA5DN-SB-7.5-8.5

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP20-SA5DN-QC-070711(RES)	1,2,3,4,6,7,8-HPCDD	0.412 ng/Kg	0.412U ng/Kg
DUP20-SA5DN-QC-070711(RES)	1,2,3,4,6,7,8-HPCDF	0.0758 ng/Kg	0.0758U ng/Kg
DUP20-SA5DN-QC-070711(RES)	1,2,3,4,7,8,9-HPCDF	0.0217 ng/Kg	0.0217U ng/Kg
DUP20-SA5DN-QC-070711(RES)	1,2,3,4,7,8-HXCDF	0.0235 ng/Kg	0.0235U ng/Kg
DUP20-SA5DN-QC-070711(RES)	1,2,3,6,7,8-HXCDD	0.0396 ng/Kg	0.0396U ng/Kg
DUP20-SA5DN-QC-070711(RES)	1,2,3,6,7,8-HXCDF	0.0178 ng/Kg	0.0178U ng/Kg
DUP20-SA5DN-QC-070711(RES)	1,2,3,7,8,9-HXCDD	0.114 ng/Kg	0.114U ng/Kg
DUP20-SA5DN-QC-070711(RES)	1,2,3,7,8,9-HXCDF	0.114 ng/Kg	0.114U ng/Kg
DUP20-SA5DN-QC-070711(RES)	2,3,4,6,7,8-HXCDF	0.0362 ng/Kg	0.0362U ng/Kg
DUP20-SA5DN-QC-070711(RES)	OCDD	1.04 ng/Kg	1.04U ng/Kg
DUP20-SA5DN-QC-070711(RES)	OCDF	0.121 ng/Kg	0.121U ng/Kg
SL-155-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.474 ng/Kg	0.474U ng/Kg
SL-155-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0630 ng/Kg	0.0630U ng/Kg
SL-155-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0373 ng/Kg	0.0373U ng/Kg
SL-155-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0257 ng/Kg	0.0257U ng/Kg
SL-155-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0683 ng/Kg	0.0683U ng/Kg
SL-155-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0169 ng/Kg	0.0169U ng/Kg
SL-155-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0993 ng/Kg	0.0993U ng/Kg
SL-155-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.101 ng/Kg	0.101U ng/Kg
SL-155-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0314 ng/Kg	0.0314U ng/Kg
SL-155-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0331 ng/Kg	0.0331U ng/Kg
SL-155-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0415 ng/Kg	0.0415U ng/Kg
SL-155-SA5DN-SB-4.0-5.0(RES)	OCDD	1.09 ng/Kg	1.09U ng/Kg
SL-155-SA5DN-SB-4.0-5.0(RES)	OCDF	0.131 ng/Kg	0.131U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:23 AM

ADR version 1.4.0.111

Page 2 of 9

Method Blank Outlier Report

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-155-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.510 ng/Kg	0.510U ng/Kg
SL-155-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0656 ng/Kg	0.0656U ng/Kg
SL-155-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0255 ng/Kg	0.0255U ng/Kg
SL-155-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0252 ng/Kg	0.0252U ng/Kg
SL-155-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0455 ng/Kg	0.0455U ng/Kg
SL-155-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0315 ng/Kg	0.0315U ng/Kg
SL-155-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0301 ng/Kg	0.0301U ng/Kg
SL-155-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0704 ng/Kg	0.0704U ng/Kg
SL-155-SA5DN-SB-9.0-10.0(RES)	OCDD	2.11 ng/Kg	2.11U ng/Kg
SL-155-SA5DN-SB-9.0-10.0(RES)	OCDF	0.130 ng/Kg	0.130U ng/Kg
SL-156-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.561 ng/Kg	0.561U ng/Kg
SL-156-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.112 ng/Kg	0.112U ng/Kg
SL-156-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.104 ng/Kg	0.104U ng/Kg
SL-156-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0585 ng/Kg	0.0585U ng/Kg
SL-156-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.112 ng/Kg	0.112U ng/Kg
SL-156-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.175 ng/Kg	0.175U ng/Kg
SL-156-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0703 ng/Kg	0.0703U ng/Kg
SL-156-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0569 ng/Kg	0.0569U ng/Kg
SL-156-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0910 ng/Kg	0.0910U ng/Kg
SL-156-SA5DN-SB-4.0-5.0(RES)	OCDD	1.81 ng/Kg	1.81U ng/Kg
SL-156-SA5DN-SB-4.0-5.0(RES)	OCDF	0.167 ng/Kg	0.167U ng/Kg
SL-156-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.533 ng/Kg	0.533U ng/Kg
SL-156-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0978 ng/Kg	0.0978U ng/Kg
SL-156-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0510 ng/Kg	0.0510U ng/Kg
SL-156-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0925 ng/Kg	0.0925U ng/Kg
SL-156-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0741 ng/Kg	0.0741U ng/Kg
SL-156-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0848 ng/Kg	0.0848U ng/Kg
SL-156-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.109 ng/Kg	0.109U ng/Kg
SL-156-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0896 ng/Kg	0.0896U ng/Kg
SL-156-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0743 ng/Kg	0.0743U ng/Kg
SL-156-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.146 ng/Kg	0.146U ng/Kg
SL-156-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0657 ng/Kg	0.0657U ng/Kg
SL-156-SA5DN-SB-9.0-10.0(RES)	OCDD	2.52 ng/Kg	2.52U ng/Kg
SL-156-SA5DN-SB-9.0-10.0(RES)	OCDF	0.211 ng/Kg	0.211U ng/Kg
SL-157-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.416 ng/Kg	0.416U ng/Kg
SL-157-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0944 ng/Kg	0.0944U ng/Kg
SL-157-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0490 ng/Kg	0.0490U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:24 AM

ADR version 1.4.0.111

Page 3 of 9

Method Blank Outlier Report

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-157-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.109 ng/Kg	0.109U ng/Kg
SL-157-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.128 ng/Kg	0.128U ng/Kg
SL-157-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0926 ng/Kg	0.0926U ng/Kg
SL-157-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.204 ng/Kg	0.204U ng/Kg
SL-157-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.325 ng/Kg	0.325U ng/Kg
SL-157-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0868 ng/Kg	0.0868U ng/Kg
SL-157-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.170 ng/Kg	0.170U ng/Kg
SL-157-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0861 ng/Kg	0.0861U ng/Kg
SL-157-SA5DN-SB-4.0-5.0(RES)	OCDD	0.877 ng/Kg	0.877U ng/Kg
SL-157-SA5DN-SB-4.0-5.0(RES)	OCDF	0.150 ng/Kg	0.150U ng/Kg
SL-157-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.394 ng/Kg	0.394U ng/Kg
SL-157-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0835 ng/Kg	0.0835U ng/Kg
SL-157-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0657 ng/Kg	0.0657U ng/Kg
SL-157-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0636 ng/Kg	0.0636U ng/Kg
SL-157-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0591 ng/Kg	0.0591U ng/Kg
SL-157-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0775 ng/Kg	0.0775U ng/Kg
SL-157-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0809 ng/Kg	0.0809U ng/Kg
SL-157-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0660 ng/Kg	0.0660U ng/Kg
SL-157-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.114 ng/Kg	0.114U ng/Kg
SL-157-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0568 ng/Kg	0.0568U ng/Kg
SL-157-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.120 ng/Kg	0.120U ng/Kg
SL-157-SA5DN-SB-9.0-10.0(RES)	OCDD	1.12 ng/Kg	1.12U ng/Kg
SL-157-SA5DN-SB-9.0-10.0(RES)	OCDF	0.160 ng/Kg	0.160U ng/Kg
SL-158-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.487 ng/Kg	0.487U ng/Kg
SL-158-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.125 ng/Kg	0.125U ng/Kg
SL-158-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0608 ng/Kg	0.0608U ng/Kg
SL-158-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0870 ng/Kg	0.0870U ng/Kg
SL-158-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.141 ng/Kg	0.141U ng/Kg
SL-158-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0886 ng/Kg	0.0886U ng/Kg
SL-158-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.200 ng/Kg	0.200U ng/Kg
SL-158-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0955 ng/Kg	0.0955U ng/Kg
SL-158-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0861 ng/Kg	0.0861U ng/Kg
SL-158-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0902 ng/Kg	0.0902U ng/Kg
SL-158-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0510 ng/Kg	0.0510U ng/Kg
SL-158-SA5DN-SB-4.0-5.0(RES)	OCDD	1.06 ng/Kg	1.06U ng/Kg
SL-158-SA5DN-SB-4.0-5.0(RES)	OCDF	0.198 ng/Kg	0.198U ng/Kg
SL-158-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.585 ng/Kg	0.585U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:24 AM

ADR version 1.4.0.111

Page 4 of 9

Method Blank Outlier Report

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-158-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.107 ng/Kg	0.107U ng/Kg
SL-158-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0317 ng/Kg	0.0317U ng/Kg
SL-158-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0388 ng/Kg	0.0388U ng/Kg
SL-158-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0317 ng/Kg	0.0317U ng/Kg
SL-158-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0223 ng/Kg	0.0223U ng/Kg
SL-158-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0679 ng/Kg	0.0679U ng/Kg
SL-158-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0560 ng/Kg	0.0560U ng/Kg
SL-158-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0256 ng/Kg	0.0256U ng/Kg
SL-158-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0477 ng/Kg	0.0477U ng/Kg
SL-158-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0414 ng/Kg	0.0414U ng/Kg
SL-158-SA5DN-SB-9.0-10.0(RES)	OCDD	2.39 ng/Kg	2.39U ng/Kg
SL-158-SA5DN-SB-9.0-10.0(RES)	OCDF	0.187 ng/Kg	0.187U ng/Kg
SL-159-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.397 ng/Kg	0.397U ng/Kg
SL-159-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0536 ng/Kg	0.0536U ng/Kg
SL-159-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0178 ng/Kg	0.0178U ng/Kg
SL-159-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0273 ng/Kg	0.0273U ng/Kg
SL-159-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.129 ng/Kg	0.129U ng/Kg
SL-159-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0256 ng/Kg	0.0256U ng/Kg
SL-159-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0612 ng/Kg	0.0612U ng/Kg
SL-159-SA5DN-SB-4.0-5.0(RES)	OCDD	0.901 ng/Kg	0.901U ng/Kg
SL-159-SA5DN-SB-4.0-5.0(RES)	OCDF	0.0585 ng/Kg	0.0585U ng/Kg
SL-159-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.445 ng/Kg	0.445U ng/Kg
SL-159-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0993 ng/Kg	0.0993U ng/Kg
SL-159-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0685 ng/Kg	0.0685U ng/Kg
SL-159-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0446 ng/Kg	0.0446U ng/Kg
SL-159-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0392 ng/Kg	0.0392U ng/Kg
SL-159-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0337 ng/Kg	0.0337U ng/Kg
SL-159-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0766 ng/Kg	0.0766U ng/Kg
SL-159-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0266 ng/Kg	0.0266U ng/Kg
SL-159-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0347 ng/Kg	0.0347U ng/Kg
SL-159-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0483 ng/Kg	0.0483U ng/Kg
SL-159-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0484 ng/Kg	0.0484U ng/Kg
SL-159-SA5DN-SB-9.0-10.0(RES)	OCDD	0.827 ng/Kg	0.827U ng/Kg
SL-159-SA5DN-SB-9.0-10.0(RES)	OCDF	0.213 ng/Kg	0.213U ng/Kg
SL-164-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.509 ng/Kg	0.509U ng/Kg
SL-164-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.143 ng/Kg	0.143U ng/Kg
SL-164-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0141 ng/Kg	0.0141U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:24 AM

ADR version 1.4.0.111

Page 5 of 9

Method Blank Outlier Report

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-164-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0217 ng/Kg	0.0217U ng/Kg
SL-164-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0500 ng/Kg	0.0500U ng/Kg
SL-164-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0463 ng/Kg	0.0463U ng/Kg
SL-164-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0839 ng/Kg	0.0839U ng/Kg
SL-164-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.120 ng/Kg	0.120U ng/Kg
SL-164-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0664 ng/Kg	0.0664U ng/Kg
SL-164-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0595 ng/Kg	0.0595U ng/Kg
SL-164-SA5DN-SB-4.0-5.0(RES)	OCDD	1.17 ng/Kg	1.17U ng/Kg
SL-164-SA5DN-SB-4.0-5.0(RES)	OCDF	0.0912 ng/Kg	0.0912U ng/Kg
SL-164-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.692 ng/Kg	0.692U ng/Kg
SL-164-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.193 ng/Kg	0.193U ng/Kg
SL-164-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0326 ng/Kg	0.0326U ng/Kg
SL-164-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0494 ng/Kg	0.0494U ng/Kg
SL-164-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0536 ng/Kg	0.0536U ng/Kg
SL-164-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0372 ng/Kg	0.0372U ng/Kg
SL-164-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0596 ng/Kg	0.0596U ng/Kg
SL-164-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0239 ng/Kg	0.0239U ng/Kg
SL-164-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0144 ng/Kg	0.0144U ng/Kg
SL-164-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0625 ng/Kg	0.0625U ng/Kg
SL-164-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0459 ng/Kg	0.0459U ng/Kg
SL-164-SA5DN-SB-9.0-10.0(RES)	OCDD	2.23 ng/Kg	2.23U ng/Kg
SL-164-SA5DN-SB-9.0-10.0(RES)	OCDF	0.168 ng/Kg	0.168U ng/Kg
SL-166-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.546 ng/Kg	0.546U ng/Kg
SL-166-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.216 ng/Kg	0.216U ng/Kg
SL-166-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0360 ng/Kg	0.0360U ng/Kg
SL-166-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0353 ng/Kg	0.0353U ng/Kg
SL-166-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0427 ng/Kg	0.0427U ng/Kg
SL-166-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.107 ng/Kg	0.107U ng/Kg
SL-166-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.202 ng/Kg	0.202U ng/Kg
SL-166-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0301 ng/Kg	0.0301U ng/Kg
SL-166-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0781 ng/Kg	0.0781U ng/Kg
SL-166-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0580 ng/Kg	0.0580U ng/Kg
SL-166-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0340 ng/Kg	0.0340U ng/Kg
SL-166-SA5DN-SB-4.0-5.0(RES)	OCDD	1.20 ng/Kg	1.20U ng/Kg
SL-166-SA5DN-SB-4.0-5.0(RES)	OCDF	0.207 ng/Kg	0.207U ng/Kg
SL-166-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.536 ng/Kg	0.536U ng/Kg
SL-166-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.169 ng/Kg	0.169U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:24 AM

ADR version 1.4.0.111

Page 6 of 9

Method Blank Outlier Report

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-166-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0605 ng/Kg	0.0605U ng/Kg
SL-166-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0837 ng/Kg	0.0837U ng/Kg
SL-166-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0667 ng/Kg	0.0667U ng/Kg
SL-166-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0614 ng/Kg	0.0614U ng/Kg
SL-166-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0793 ng/Kg	0.0793U ng/Kg
SL-166-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0771 ng/Kg	0.0771U ng/Kg
SL-166-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0341 ng/Kg	0.0341U ng/Kg
SL-166-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.103 ng/Kg	0.103U ng/Kg
SL-166-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0890 ng/Kg	0.0890U ng/Kg
SL-166-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0439 ng/Kg	0.0439U ng/Kg
SL-166-SA5DN-SB-9.0-10.0(RES)	OCDD	1.47 ng/Kg	1.47U ng/Kg
SL-166-SA5DN-SB-9.0-10.0(RES)	OCDF	0.270 ng/Kg	0.270U ng/Kg
SL-167-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.610 ng/Kg	0.610U ng/Kg
SL-167-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.274 ng/Kg	0.274U ng/Kg
SL-167-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0399 ng/Kg	0.0399U ng/Kg
SL-167-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0792 ng/Kg	0.0792U ng/Kg
SL-167-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0433 ng/Kg	0.0433U ng/Kg
SL-167-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0590 ng/Kg	0.0590U ng/Kg
SL-167-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0801 ng/Kg	0.0801U ng/Kg
SL-167-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0799 ng/Kg	0.0799U ng/Kg
SL-167-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0249 ng/Kg	0.0249U ng/Kg
SL-167-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0965 ng/Kg	0.0965U ng/Kg
SL-167-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0816 ng/Kg	0.0816U ng/Kg
SL-167-SA5DN-SB-4.0-5.0(RES)	OCDD	1.75 ng/Kg	1.75U ng/Kg
SL-167-SA5DN-SB-4.0-5.0(RES)	OCDF	0.232 ng/Kg	0.232U ng/Kg
SL-167-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.605 ng/Kg	0.605U ng/Kg
SL-167-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.318 ng/Kg	0.318U ng/Kg
SL-167-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0758 ng/Kg	0.0758U ng/Kg
SL-167-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.112 ng/Kg	0.112U ng/Kg
SL-167-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.118 ng/Kg	0.118U ng/Kg
SL-167-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0976 ng/Kg	0.0976U ng/Kg
SL-167-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.124 ng/Kg	0.124U ng/Kg
SL-167-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0984 ng/Kg	0.0984U ng/Kg
SL-167-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.163 ng/Kg	0.163U ng/Kg
SL-167-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.100 ng/Kg	0.100U ng/Kg
SL-167-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.187 ng/Kg	0.187U ng/Kg
SL-167-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0480 ng/Kg	0.0480U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:24 AM

ADR version 1.4.0.111

Page 7 of 9

Method Blank Outlier Report

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-167-SA5DN-SB-9.0-10.0(RES)	OCDD	1.84 ng/Kg	1.84U ng/Kg
SL-167-SA5DN-SB-9.0-10.0(RES)	OCDF	0.219 ng/Kg	0.219U ng/Kg
SL-168-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.467 ng/Kg	0.467U ng/Kg
SL-168-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.249 ng/Kg	0.249U ng/Kg
SL-168-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.102 ng/Kg	0.102U ng/Kg
SL-168-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.192 ng/Kg	0.192U ng/Kg
SL-168-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.135 ng/Kg	0.135U ng/Kg
SL-168-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.198 ng/Kg	0.198U ng/Kg
SL-168-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.126 ng/Kg	0.126U ng/Kg
SL-168-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.120 ng/Kg	0.120U ng/Kg
SL-168-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.154 ng/Kg	0.154U ng/Kg
SL-168-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.284 ng/Kg	0.284U ng/Kg
SL-168-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0773 ng/Kg	0.0773U ng/Kg
SL-168-SA5DN-SB-4.0-5.0(RES)	OCDD	1.27 ng/Kg	1.27U ng/Kg
SL-168-SA5DN-SB-4.0-5.0(RES)	OCDF	0.274 ng/Kg	0.274U ng/Kg
SL-168-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	1.01 ng/Kg	1.01U ng/Kg
SL-168-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.305 ng/Kg	0.305U ng/Kg
SL-168-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0756 ng/Kg	0.0756U ng/Kg
SL-168-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.191 ng/Kg	0.191U ng/Kg
SL-168-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.133 ng/Kg	0.133U ng/Kg
SL-168-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.128 ng/Kg	0.128U ng/Kg
SL-168-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.125 ng/Kg	0.125U ng/Kg
SL-168-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.176 ng/Kg	0.176U ng/Kg
SL-168-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.246 ng/Kg	0.246U ng/Kg
SL-168-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0570 ng/Kg	0.0570U ng/Kg
SL-168-SA5DN-SB-9.0-10.0(RES)	OCDF	0.299 ng/Kg	0.299U ng/Kg
SL-169-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.545 ng/Kg	0.545U ng/Kg
SL-169-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0984 ng/Kg	0.0984U ng/Kg
SL-169-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0488 ng/Kg	0.0488U ng/Kg
SL-169-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0552 ng/Kg	0.0552U ng/Kg
SL-169-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0642 ng/Kg	0.0642U ng/Kg
SL-169-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0589 ng/Kg	0.0589U ng/Kg
SL-169-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0824 ng/Kg	0.0824U ng/Kg
SL-169-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0322 ng/Kg	0.0322U ng/Kg
SL-169-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0851 ng/Kg	0.0851U ng/Kg
SL-169-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0647 ng/Kg	0.0647U ng/Kg
SL-169-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0974 ng/Kg	0.0974U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:24 AM

ADR version 1.4.0.111

Page 8 of 9

Method Blank Outlier Report

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-169-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0457 ng/Kg	0.0457U ng/Kg
SL-169-SA5DN-SB-4.0-5.0(RES)	OCDD	3.37 ng/Kg	3.37U ng/Kg
SL-169-SA5DN-SB-4.0-5.0(RES)	OCDF	0.234 ng/Kg	0.234U ng/Kg
SL-169-SA5DN-SB-7.5-8.5(RES)	1,2,3,4,6,7,8-HPCDD	0.512 ng/Kg	0.512U ng/Kg
SL-169-SA5DN-SB-7.5-8.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0460 ng/Kg	0.0460U ng/Kg
SL-169-SA5DN-SB-7.5-8.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0196 ng/Kg	0.0196U ng/Kg
SL-169-SA5DN-SB-7.5-8.5(RES)	1,2,3,4,7,8-HXCDF	0.0348 ng/Kg	0.0348U ng/Kg
SL-169-SA5DN-SB-7.5-8.5(RES)	1,2,3,6,7,8-HXCDD	0.0269 ng/Kg	0.0269U ng/Kg
SL-169-SA5DN-SB-7.5-8.5(RES)	1,2,3,6,7,8-HXCDF	0.0215 ng/Kg	0.0215U ng/Kg
SL-169-SA5DN-SB-7.5-8.5(RES)	1,2,3,7,8,9-HXCDD	0.0445 ng/Kg	0.0445U ng/Kg
SL-169-SA5DN-SB-7.5-8.5(RES)	1,2,3,7,8,9-HXCDF	0.0318 ng/Kg	0.0318U ng/Kg
SL-169-SA5DN-SB-7.5-8.5(RES)	1,2,3,7,8-PECDF	0.0317 ng/Kg	0.0317U ng/Kg
SL-169-SA5DN-SB-7.5-8.5(RES)	2,3,4,6,7,8-HXCDF	0.0214 ng/Kg	0.0214U ng/Kg
SL-169-SA5DN-SB-7.5-8.5(RES)	2,3,4,7,8-PECDF	0.0349 ng/Kg	0.0349U ng/Kg
SL-169-SA5DN-SB-7.5-8.5(RES)	OCDD	1.37 ng/Kg	1.37U ng/Kg
SL-169-SA5DN-SB-7.5-8.5(RES)	OCDF	0.0888 ng/Kg	0.0888U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

9/28/2011 10:05:24 AM

ADR version 1.4.0.111

Page 9 of 9

Field Duplicate RPD Report

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-166-SA5DN-SB-4.0-5.0	DUP20-SA5DN-QC-070711			
MOISTURE	13.2	14.2	7		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-166-SA5DN-SB-4.0-5.0	DUP20-SA5DN-QC-070711			
1,2,3,4,6,7,8-HPCDD	0.546	0.412	28	50.00	No Qualifiers Applied
1,2,3,4,7,8,9-HPCDF	0.0360	0.0217	50	50.00	
1,2,3,4,7,8-HXCDF	0.0353	0.0235	40	50.00	
1,2,3,7,8,9-HXCDD	0.107	0.114	6	50.00	
OCDD	1.20	1.04	14	50.00	
1,2,3,4,6,7,8-HPCDF	0.216	0.0758	96	50.00	J(all detects) UJ(all non-detects)
1,2,3,6,7,8-HXCDD	5.71 U	0.0396	200	50.00	
1,2,3,6,7,8-HXCDF	0.0427	0.0178	82	50.00	
1,2,3,7,8,9-HXCDF	0.202	0.114	56	50.00	
1,2,3,7,8-PECDD	5.71 U	0.0496	200	50.00	
1,2,3,7,8-PECDF	0.0301	5.77 U	200	50.00	
2,3,4,6,7,8-HXCDF	0.0781	0.0362	73	50.00	
2,3,4,7,8-PECDF	0.0580	5.77 U	200	50.00	
2,3,7,8-TCDD	0.0340	1.15 U	200	50.00	
OCDF	0.207	0.121	52	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB21-SA5DN-SB-070711	1,2,3,4,6,7,8-HPCDD	JB	7.63	10.2	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.41	10.2	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.290	10.2	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.583	10.2	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JBQ	0.533	10.2	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.258	10.2	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JBQ	0.526	10.2	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JBQ	0.475	10.2	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.235	10.2	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.505	10.2	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.411	10.2	PQL	pg/L	
	OCDD	JB	13.8	20.4	PQL	pg/L	
	OCDF	JBQ	1.56	20.4	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP20-SA5DN-QC-070711	1,2,3,4,6,7,8-HPCDD	JB	0.412	5.77	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0758	5.77	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0217	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0235	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0396	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0178	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.114	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.114	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0496	5.77	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0362	5.77	PQL	ng/Kg	
	OCDD	JB	1.04	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.121	11.5	PQL	ng/Kg	
SL-155-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.474	5.63	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0630	5.63	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0373	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0257	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0683	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0169	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0993	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.101	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0314	5.63	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0331	5.63	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0415	5.63	PQL	ng/Kg	
	OCDD	JB	1.09	11.3	PQL	ng/Kg	
	OCDF	JBQ	0.131	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-155-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.510	5.87	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0656	5.87	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0255	5.87	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0265	5.87	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0252	5.87	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0455	5.87	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0315	5.87	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0301	5.87	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0704	5.87	PQL	ng/Kg	
	OCDD	JB	2.11	11.7	PQL	ng/Kg	
	OCDF	JB	0.130	11.7	PQL	ng/Kg	
SL-156-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.561	5.69	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.112	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0332	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.104	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0585	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.112	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.175	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0578	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0703	5.69	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0569	5.69	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0910	5.69	PQL	ng/Kg	
	OCDD	JB	1.81	11.4	PQL	ng/Kg	
SL-156-SA5DN-SB-9.0-10.0	OCDF	JBQ	0.167	11.4	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDD	JBQ	0.533	5.67	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0978	5.67	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0510	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0720	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0925	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0741	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0848	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.109	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0896	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.116	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.178	5.67	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0743	5.67	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.146	5.67	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0657	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0633	1.13	PQL	ng/Kg	
	OCDD	JB	2.52	11.3	PQL	ng/Kg	
	OCDF	JBQ	0.211	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-157-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.416	5.64	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0944	5.64	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0490	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0551	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.109	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.128	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0926	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.204	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.325	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.167	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.224	5.64	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0868	5.64	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.170	5.64	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0861	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0535	1.13	PQL	ng/Kg	
	OCDD	JB	0.877	11.3	PQL	ng/Kg	
	OCDF	JBQ	0.150	11.3	PQL	ng/Kg	
SL-157-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.394	5.81	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0835	5.81	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0657	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0557	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0636	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0591	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0775	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0809	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0660	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0603	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.114	5.81	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0568	5.81	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.120	5.81	PQL	ng/Kg	
	OCDD	JB	1.12	11.6	PQL	ng/Kg	
	OCDF	JB	0.160	11.6	PQL	ng/Kg	
SL-158-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.487	5.57	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.125	5.57	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0608	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0746	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0870	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.141	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0886	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.200	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.362	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0788	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0955	5.57	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0861	5.57	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0902	5.57	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0510	1.11	PQL	ng/Kg	
	OCDD	JB	1.06	11.1	PQL	ng/Kg	
	OCDF	JBQ	0.198	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-158-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.585	5.67	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.107	5.67	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0317	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0233	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0388	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0317	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0223	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0679	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0560	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0303	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0256	5.67	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0477	5.67	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0414	5.67	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0351	1.13	PQL	ng/Kg	
	OCDD	JB	2.39	11.3	PQL	ng/Kg	
	OCDF	JB	0.187	11.3	PQL	ng/Kg	
SL-159-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.397	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0536	5.73	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0178	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.167	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0273	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.243	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.541	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.129	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0256	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0612	5.73	PQL	ng/Kg	
	OCDD	JB	0.901	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.0585	11.5	PQL	ng/Kg	
SL-159-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.445	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0993	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0685	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0446	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0392	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0337	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0766	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.117	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0266	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0347	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0483	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0484	5.66	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0348	1.13	PQL	ng/Kg	
	OCDD	JB	0.827	11.3	PQL	ng/Kg	
	OCDF	JBQ	0.213	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-164-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.509	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.143	5.72	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0141	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0217	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0500	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0463	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0839	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.120	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0664	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0595	5.72	PQL	ng/Kg	
	OCDD	JB	1.17	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.0912	11.4	PQL	ng/Kg	
SL-164-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.692	5.69	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.193	5.69	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0326	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0264	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0494	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0536	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0372	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0596	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0239	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0144	5.69	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0625	5.69	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0459	5.69	PQL	ng/Kg	
	OCDD	JB	2.23	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.168	11.4	PQL	ng/Kg	
SL-166-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.546	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.216	5.71	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0360	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0353	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0427	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.107	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.202	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0301	5.71	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0781	5.71	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0580	5.71	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0340	1.14	PQL	ng/Kg	
	OCDD	JB	1.20	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.207	11.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-166-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.536	5.78	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.169	5.78	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0605	5.78	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0356	5.78	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0837	5.78	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0667	5.78	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0614	5.78	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0793	5.78	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0771	5.78	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0663	5.78	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0341	5.78	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.103	5.78	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0890	5.78	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0439	1.16	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0302	1.16	PQL	ng/Kg	
	OCDD	JBQ	1.47	11.6	PQL	ng/Kg	
	OCDF	JB	0.270	11.6	PQL	ng/Kg	
SL-167-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.610	5.75	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.274	5.75	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0399	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0792	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0433	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0590	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0801	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0799	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0249	5.75	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0965	5.75	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0816	5.75	PQL	ng/Kg	
	OCDD	JB	1.75	11.5	PQL	ng/Kg	
	OCDF	JB	0.232	11.5	PQL	ng/Kg	
SL-167-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.605	5.79	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.318	5.79	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0758	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.127	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.112	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.118	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0976	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.124	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0984	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.148	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.163	5.79	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.100	5.79	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.187	5.79	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0480	1.16	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0425	1.16	PQL	ng/Kg	
	OCDD	JB	1.84	11.6	PQL	ng/Kg	
	OCDF	JBQ	0.219	11.6	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-168-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.467	5.87	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.249	5.87	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.102	5.87	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.137	5.87	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.192	5.87	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.135	5.87	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.198	5.87	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.126	5.87	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.120	5.87	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.281	5.87	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.347	5.87	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.154	5.87	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.284	5.87	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0773	1.17	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0335	1.17	PQL	ng/Kg	
	OCDD	JB	1.27	11.7	PQL	ng/Kg	
	OCDF	JBQ	0.274	11.7	PQL	ng/Kg	
SL-168-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	1.01	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.305	5.62	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0756	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.103	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.191	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.186	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.133	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.128	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.125	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.215	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.249	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.176	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.246	5.62	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0570	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0326	1.12	PQL	ng/Kg	
	OCDD	JB	8.11	11.2	PQL	ng/Kg	
	OCDF	JBQ	0.299	11.2	PQL	ng/Kg	
SL-169-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.545	5.75	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0984	5.75	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0488	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0552	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0642	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0589	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0824	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0322	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0892	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0851	5.75	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0647	5.75	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0974	5.75	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0457	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0301	1.15	PQL	ng/Kg	
	OCDD	JB	3.37	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.234	11.5	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX109

Laboratory: LL

EDD Filename: DX109_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-169-SA5DN-SB-7.5-8.5	1,2,3,4,6,7,8-HPCDD	JB	0.512	5.63	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0460	5.63	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0196	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0348	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.0269	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0215	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0445	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0318	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0317	5.63	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0214	5.63	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0349	5.63	PQL	ng/Kg	
	OCDD	JB	1.37	11.3	PQL	ng/Kg	
	OCDF	JB	0.0888	11.3	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX110

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
11-Jul-2011	SL-149-SA5DN-SB-4.0-5.0	6340984	N	METHOD	1613B	III
11-Jul-2011	SL-298-SA6-SS-0.0-0.5	6340995	N	METHOD	1613B	III
11-Jul-2011	SL-149-SA6-SS-0.0-0.5	6340990	N	METHOD	1613B	III
11-Jul-2011	SL-297-SA6-SS-0.0-0.5	6340991	N	METHOD	1613B	III
11-Jul-2011	SL-297-SA6-SS-0.0-0.5MS	6340992	MS	METHOD	1613B	III
11-Jul-2011	SL-297-SA6-SS-0.0-0.5MSD	6340993	MSD	METHOD	1613B	III
11-Jul-2011	SL-297-SA6-SS-0.0-0.5MSD	P340991M371013	MSD	METHOD	1613B	III
11-Jul-2011	SL-297-SA6-SS-0.0-0.5MS	P340991R370916	MS	METHOD	1613B	III
11-Jul-2011	DUP01-SA6-QC-071111	6340996	FD	METHOD	1613B	III
11-Jul-2011	SL-199-SA5DN-SB-4.0-5.0	6340985	N	METHOD	1613B	III
11-Jul-2011	SL-199-SA5DN-SB-9.0-10.0	6340986	N	METHOD	1613B	III
11-Jul-2011	SL-135-SA6-SB-4.0-5.0	6340987	N	METHOD	1613B	III
11-Jul-2011	SL-292-SA6-SS-0.0-0.5	6340994	N	METHOD	1613B	III
11-Jul-2011	SL-138-SA6-SB-4.0-5.0	6340988	N	METHOD	1613B	III
11-Jul-2011	SL-138-SA6-SB-9.0-10.0	6340989	N	METHOD	1613B	III
11-Jul-2011	SL-289-SA6-SS-0.0-0.5	6342345	N	METHOD	1613B	III
12-Jul-2011	SL-136-SA6-SB-4.0-5.0	6342337	N	METHOD	1613B	III
12-Jul-2011	SL-136-SA6-SB-9.0-10.0	6342338	N	METHOD	1613B	III
12-Jul-2011	SL-139-SA6-SB-4.0-5.0	6342339	N	METHOD	1613B	III
12-Jul-2011	SL-139-SA6-SB-9.0-10.0	6342340	N	METHOD	1613B	III
12-Jul-2011	SL-275-SA6-SB-4.0-5.0	6342341	N	METHOD	1613B	III
12-Jul-2011	SL-275-SA6-SB-9.0-10.0	6342342	N	METHOD	1613B	III
12-Jul-2011	SL-276-SA6-SB-4.0-5.0	6342343	N	METHOD	1613B	III
12-Jul-2011	SL-276-SA6-SB-9.0-10.0	6342344	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: PrepDX110_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	GENCHEM
Method:	1613B
Matrix:	SO

Sample ID: DUP01-SA6-QC-071111

Collected: 7/11/2011 9:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDD	0.936	J	0.100	MDL	1.01	PQL	ng/Kg	J	Z

Sample ID: SL-135-SA6-SB-4.0-5.0

Collected: 7/11/2011 12:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.458	JB	0.0418	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.177	JBQ	0.0124	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0298	JBQ	0.0264	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0452	JBQ	0.0289	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0268	JBQ	0.0185	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0749	JBQ	0.0289	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0932	JBQ	0.0267	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0542	JBQ	0.0226	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0288	JQ	0.0166	MDL	5.75	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0516	JB	0.0167	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0432	JBQ	0.0169	MDL	5.75	PQL	ng/Kg	U	B
OCDD	0.987	JBQ	0.0373	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.229	JBQ	0.0754	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-136-SA6-SB-4.0-5.0

Collected: 7/12/2011 8:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.805	JB	0.0948	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.173	JBQ	0.0646	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0745	JBQ	0.0395	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0470	JBQ	0.0322	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0716	JB	0.0399	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0280	JBQ	0.0264	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0672	JBQ	0.0391	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0711	JB	0.0375	MDL	5.40	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0402	JBQ	0.0276	MDL	5.40	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0550	JBQ	0.0296	MDL	5.40	PQL	ng/Kg	U	B
OCDD	6.26	JB	0.0952	MDL	10.8	PQL	ng/Kg	J	Z
OCDF	0.313	JBQ	0.120	MDL	10.8	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 8:06:43 AM

ADR version 1.4.0.111

Page 1 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: PrepDX110_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-136-SA6-SB-9.0-10.0

Collected: 7/12/2011 8:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.681	JB	0.0670	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.165	JBQ	0.0453	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0408	JBQ	0.0293	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0367	JBQ	0.0237	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0359	JB	0.0289	MDL	5.40	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0419	JB	0.0235	MDL	5.40	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0646	JBQ	0.0281	MDL	5.40	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0479	JQ	0.0410	MDL	1.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0430	JQ	0.0413	MDL	1.08	PQL	ng/Kg	U	B
OCDD	2.50	JB	0.0934	MDL	10.8	PQL	ng/Kg	U	B
OCDF	0.187	JBQ	0.121	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-138-SA6-SB-4.0-5.0

Collected: 7/11/2011 3:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.493	JB	0.0482	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.129	JB	0.0141	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0361	JBQ	0.0272	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0321	JBQ	0.0235	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0317	JB	0.0251	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0239	JBQ	0.0198	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0571	JBQ	0.0241	MDL	5.31	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0529	JBQ	0.0177	MDL	5.31	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0546	JBQ	0.0193	MDL	5.31	PQL	ng/Kg	U	B
OCDD	1.60	JB	0.0466	MDL	10.6	PQL	ng/Kg	U	B
OCDF	0.138	JBQ	0.0932	MDL	10.6	PQL	ng/Kg	U	B

Sample ID: SL-138-SA6-SB-9.0-10.0

Collected: 7/11/2011 3:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.848	JBQ	0.0633	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.272	JB	0.0168	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0574	JBQ	0.0303	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.121	JBQ	0.0329	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.160	JBQ	0.0249	MDL	5.51	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 8:06:43 AM

ADR version 1.4.0.111

Page 2 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: PrepDX110_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-138-SA6-SB-9.0-10.0

Collected: 7/11/2011 3:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDD	0.108	JB	0.0341	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0833	JBQ	0.0211	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0675	JBQ	0.0334	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.115	JBQ	0.0290	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.133	JBQ	0.0456	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.176	JQ	0.0221	MDL	5.51	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.101	JBQ	0.0230	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.191	JB	0.0212	MDL	5.51	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.113	JQ	0.0475	MDL	1.10	PQL	ng/Kg	J	Z
OCDD	4.73	JB	0.0583	MDL	11.0	PQL	ng/Kg	J	Z
OCDF	0.447	JBQ	0.0928	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-139-SA6-SB-4.0-5.0

Collected: 7/12/2011 9:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.533	JB	0.0585	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.119	JBQ	0.0329	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0511	JBQ	0.0478	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0619	JB	0.0268	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0388	JB	0.0259	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0435	JBQ	0.0261	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0739	JBQ	0.0261	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0410	JB	0.0312	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0602	JBQ	0.0335	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0746	J	0.0229	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0550	JB	0.0259	MDL	5.37	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.102	JBQ	0.0213	MDL	5.37	PQL	ng/Kg	U	B
OCDD	1.87	JB	0.0932	MDL	10.7	PQL	ng/Kg	U	B
OCDF	0.236	JBQ	0.0782	MDL	10.7	PQL	ng/Kg	U	B

Sample ID: SL-139-SA6-SB-9.0-10.0

Collected: 7/12/2011 9:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.694	JB	0.0588	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.212	JBQ	0.0390	MDL	5.60	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 8:06:43 AM

ADR version 1.4.0.111

Page 3 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: PrepDX110_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-139-SA6-SB-9.0-10.0

Collected: 7/12/2011 9:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HxCDD	0.0691	JBQ	0.0339	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.102	JBQ	0.0221	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0850	JB	0.0351	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0895	JBQ	0.0212	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0759	JBQ	0.0358	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.119	JBQ	0.0440	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.148	J	0.0238	MDL	5.60	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0599	JBQ	0.0224	MDL	5.60	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.130	JBQ	0.0231	MDL	5.60	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0755	J	0.0334	MDL	1.12	PQL	ng/Kg	U	B
OCDD	2.45	JB	0.0947	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.163	JBQ	0.0798	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-149-SA5DN-SB-4.0-5.0

Collected: 7/11/2011 8:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.807	JBQ	0.0654	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.251	JB	0.0272	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0619	JB	0.0256	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.109	JBQ	0.0385	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0558	JB	0.0215	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.122	JBQ	0.0382	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0982	JBQ	0.0370	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0310	JQ	0.0213	MDL	5.44	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0801	JBQ	0.0247	MDL	5.44	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0580	JB	0.0220	MDL	5.44	PQL	ng/Kg	U	B
OCDD	6.19	JB	0.0920	MDL	10.9	PQL	ng/Kg	J	Z
OCDF	0.518	JBQ	0.118	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-149-SA6-SS-0.0-0.5

Collected: 7/11/2011 9:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.24	JB	0.0714	MDL	5.02	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.14	JB	0.0884	MDL	5.02	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	2.61	JB	0.0773	MDL	5.02	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 8:06:43 AM

ADR version 1.4.0.111

Page 4 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: PrepDX110_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-149-SA6-SS-0.0-0.5

Collected: 7/11/2011 9:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDD	2.65	JB	0.0872	MDL	5.02	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.993	JB	0.0707	MDL	5.02	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.87	JB	0.0843	MDL	5.02	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.434	JBQ	0.0754	MDL	5.02	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.906	JB	0.0658	MDL	5.02	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.01	J	0.0680	MDL	5.02	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.04	JB	0.0614	MDL	5.02	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.27	JB	0.0626	MDL	5.02	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.267	J	0.0381	MDL	1.00	PQL	ng/Kg	J	Z

Sample ID: SL-199-SA5DN-SB-4.0-5.0

Collected: 7/11/2011 10:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.703	JB	0.0582	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.195	JB	0.0167	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0396	JBQ	0.0355	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0741	JBQ	0.0302	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.188	JB	0.0362	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0407	JBQ	0.0237	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.438	JBQ	0.0370	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.538	JBQ	0.0468	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0889	JBQ	0.0399	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.145	JQ	0.0215	MDL	5.79	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0839	JB	0.0279	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0485	JB	0.0228	MDL	5.79	PQL	ng/Kg	U	B
OCDD	2.11	JB	0.0645	MDL	11.6	PQL	ng/Kg	U	B
OCDF	0.264	JB	0.148	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-199-SA5DN-SB-9.0-10.0

Collected: 7/11/2011 10:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.857	JB	0.0599	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.227	JBQ	0.0162	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0376	JBQ	0.0354	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0465	JBQ	0.0213	MDL	5.57	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 8:06:43 AM

ADR version 1.4.0.111

Page 5 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: PrepDX110_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-199-SA5DN-SB-9.0-10.0

Collected: 7/11/2011 10:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDD	0.0397	JBQ	0.0321	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0191	JBQ	0.0187	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0660	JBQ	0.0316	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0345	JQ	0.0211	MDL	5.57	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0487	JBQ	0.0201	MDL	5.57	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0579	JBQ	0.0220	MDL	5.57	PQL	ng/Kg	U	B
OCDD	3.74	JB	0.0480	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.271	JBQ	0.0989	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-275-SA6-SB-4.0-5.0

Collected: 7/12/2011 11:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.608	JB	0.0525	MDL	5.15	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.117	JB	0.0219	MDL	5.15	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0798	JBQ	0.0542	MDL	5.15	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0664	JBQ	0.0173	MDL	5.15	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0785	JBQ	0.0281	MDL	5.15	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0364	JBQ	0.0139	MDL	5.15	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.134	JB	0.0283	MDL	5.15	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0569	JBQ	0.0240	MDL	5.15	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0324	JQ	0.0168	MDL	5.15	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0274	JBQ	0.0162	MDL	5.15	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0570	JBQ	0.0175	MDL	5.15	PQL	ng/Kg	U	B
OCDD	2.02	JB	0.0832	MDL	10.3	PQL	ng/Kg	U	B
OCDF	0.224	JBQ	0.0829	MDL	10.3	PQL	ng/Kg	U	B

Sample ID: SL-275-SA6-SB-9.0-10.0

Collected: 7/12/2011 12:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.555	JB	0.0452	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.128	JBQ	0.0172	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0396	JBQ	0.0125	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0337	JBQ	0.0257	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0280	JBQ	0.0251	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0257	JBQ	0.0164	MDL	5.45	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 8:06:43 AM

ADR version 1.4.0.111

Page 6 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: PrepDX110_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-275-SA6-SB-9.0-10.0

Collected: 7/12/2011 12:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,6,7,8-HXCDF	0.0393	JBQ	0.0117	MDL	5.45	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0387	JBQ	0.0163	MDL	5.45	PQL	ng/Kg	U	B
OCDD	2.71	JBQ	0.0624	MDL	10.9	PQL	ng/Kg	U	B
OCDF	0.152	JBQ	0.0759	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-276-SA6-SB-4.0-5.0

Collected: 7/12/2011 2:25:00

Analysis Type: REA

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDF	0.965	JC	0.0894	MDL	1.08	PQL	ng/Kg	J	Z

Sample ID: SL-276-SA6-SB-4.0-5.0

Collected: 7/12/2011 2:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.21	JB	0.111	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.529	JBQ	0.0784	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	2.46	JB	0.102	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.90	JB	0.0796	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.05	JB	0.101	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.17	JB	0.0766	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.232	JBQ	0.120	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.230	JBQ	0.0587	MDL	5.42	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.756	JB	0.0986	MDL	5.42	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.81	JB	0.107	MDL	5.42	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0400	JQ	0.0313	MDL	1.08	PQL	ng/Kg	J	Z

Sample ID: SL-276-SA6-SB-9.0-10.0

Collected: 7/12/2011 2:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.423	JB	0.0407	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0993	JB	0.0144	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0357	JBQ	0.0165	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0291	JBQ	0.0137	MDL	5.41	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0427	JBQ	0.0154	MDL	5.41	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0541	JBQ	0.0174	MDL	5.41	PQL	ng/Kg	U	B
OCDD	1.24	JB	0.0631	MDL	10.8	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 8:06:44 AM

ADR version 1.4.0.111

Page 7 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: PrepDX110_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-276-SA6-SB-9.0-10.0

Collected: 7/12/2011 2:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	0.150	JB	0.0822	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-289-SA6-SS-0.0-0.5

Collected: 7/11/2011 3:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.92	JB	0.0539	MDL	4.94	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.300	JBQ	0.0207	MDL	4.94	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0421	JBQ	0.0149	MDL	4.94	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0740	JBQ	0.0263	MDL	4.94	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0267	JBQ	0.0129	MDL	4.94	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0738	JB	0.0268	MDL	4.94	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0209	JBQ	0.0196	MDL	4.94	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0282	JQ	0.0161	MDL	4.94	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0410	JBQ	0.0143	MDL	4.94	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0424	JBQ	0.0170	MDL	4.94	PQL	ng/Kg	U	B
OCDF	0.493	JB	0.0861	MDL	9.88	PQL	ng/Kg	U	B

Sample ID: SL-292-SA6-SS-0.0-0.5

Collected: 7/11/2011 12:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.67	JB	0.181	MDL	5.01	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.52	JB	0.122	MDL	5.01	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	3.55	JB	0.113	MDL	5.01	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	4.86	JB	0.122	MDL	5.01	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.02	JB	0.130	MDL	5.01	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	2.04	JB	0.184	MDL	5.01	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	3.99	J	0.126	MDL	5.01	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	3.32	JB	0.107	MDL	5.01	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	4.57	JB	0.117	MDL	5.01	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.643	JQ	0.0925	MDL	1.00	PQL	ng/Kg	J	Z

Sample ID: SL-297-SA6-SS-0.0-0.5

Collected: 7/11/2011 9:42:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2850	EB	0.535	MDL	5.04	PQL	ng/Kg	J	*XI

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 8:06:44 AM

ADR version 1.4.0.111

Page 8 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: PrepDX110_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	GENCHEM
Method:	1613B
Matrix:	SO

Sample ID: SL-297-SA6-SS-0.0-0.5

Collected: 7/11/2011 9:42:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDD	0.939	JQ	0.0911	MDL	1.01	PQL	ng/Kg	J	Z
OCDD	56700	EB	1.02	MDL	10.1	PQL	ng/Kg	J	*XI

Sample ID: SL-298-SA6-SS-0.0-0.5

Collected: 7/11/2011 8:32:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	5730	EB	1.09	MDL	5.02	PQL	ng/Kg	J	*XI
OCDD	97400	EB	1.61	MDL	10.0	PQL	ng/Kg	J	*XI

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 8:06:44 AM

ADR version 1.4.0.111

Page 9 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: PrepDX110_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Laboratory Triplicate Precision
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*XI	Compound Quantitation and CRQL
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 8:06:44 AM

ADR version 1.4.0.111

Page 10 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: PrepDX110_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation
Q	Matrix Spike Upper Rejection

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 8:06:44 AM

ADR version 1.4.0.111

Page 11 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: PrepDX110_v1

eQAPP Name: CDM_SSFL_110509

R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 8:06:44 AM

ADR version 1.4.0.111

Page 12 of 12

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX110

Method Blank Outlier Report

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: DX110_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK2030B371855	7/25/2011 6:55:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF OCDD OCDF	0.487 ng/Kg 0.198 ng/Kg 0.0894 ng/Kg 0.0284 ng/Kg 0.0788 ng/Kg 0.0466 ng/Kg 0.0517 ng/Kg 0.0580 ng/Kg 0.0495 ng/Kg 0.0396 ng/Kg 0.0900 ng/Kg 0.0844 ng/Kg 0.904 ng/Kg 0.314 ng/Kg	DUP01-SA6-QC-071111 SL-135-SA6-SB-4.0-5.0 SL-136-SA6-SB-4.0-5.0 SL-136-SA6-SB-9.0-10.0 SL-138-SA6-SB-4.0-5.0 SL-138-SA6-SB-9.0-10.0 SL-139-SA6-SB-4.0-5.0 SL-139-SA6-SB-9.0-10.0 SL-149-SA5DN-SB-4.0-5.0 SL-149-SA6-SS-0.0-0.5 SL-199-SA5DN-SB-4.0-5.0 SL-199-SA5DN-SB-9.0-10.0 SL-275-SA6-SB-4.0-5.0 SL-275-SA6-SB-9.0-10.0 SL-276-SA6-SB-4.0-5.0 SL-276-SA6-SB-9.0-10.0 SL-289-SA6-SS-0.0-0.5 SL-292-SA6-SS-0.0-0.5 SL-297-SA6-SS-0.0-0.5 SL-298-SA6-SS-0.0-0.5
BLK2030B372235	7/27/2011 10:35:00 PM	2,3,7,8-TCDF	0.0224 ng/Kg	DUP01-SA6-QC-071111 SL-135-SA6-SB-4.0-5.0 SL-136-SA6-SB-4.0-5.0 SL-136-SA6-SB-9.0-10.0 SL-138-SA6-SB-4.0-5.0 SL-138-SA6-SB-9.0-10.0 SL-139-SA6-SB-4.0-5.0 SL-139-SA6-SB-9.0-10.0 SL-149-SA5DN-SB-4.0-5.0 SL-149-SA6-SS-0.0-0.5 SL-199-SA5DN-SB-4.0-5.0 SL-199-SA5DN-SB-9.0-10.0 SL-275-SA6-SB-4.0-5.0 SL-275-SA6-SB-9.0-10.0 SL-276-SA6-SB-4.0-5.0 SL-276-SA6-SB-9.0-10.0 SL-289-SA6-SS-0.0-0.5 SL-292-SA6-SS-0.0-0.5 SL-297-SA6-SS-0.0-0.5 SL-298-SA6-SS-0.0-0.5

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-135-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.458 ng/Kg	0.458U ng/Kg
SL-135-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.177 ng/Kg	0.177U ng/Kg
SL-135-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0298 ng/Kg	0.0298U ng/Kg
SL-135-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0452 ng/Kg	0.0452U ng/Kg
SL-135-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0268 ng/Kg	0.0268U ng/Kg
SL-135-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0749 ng/Kg	0.0749U ng/Kg
SL-135-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0932 ng/Kg	0.0932U ng/Kg
SL-135-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0542 ng/Kg	0.0542U ng/Kg
SL-135-SA6-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0516 ng/Kg	0.0516U ng/Kg
SL-135-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0432 ng/Kg	0.0432U ng/Kg
SL-135-SA6-SB-4.0-5.0(RES)	OCDD	0.987 ng/Kg	0.987U ng/Kg
SL-135-SA6-SB-4.0-5.0(RES)	OCDF	0.229 ng/Kg	0.229U ng/Kg
SL-136-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.805 ng/Kg	0.805U ng/Kg
SL-136-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.173 ng/Kg	0.173U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 7:40:54 AM

ADR version 1.4.0.111

Page 1 of 5

Method Blank Outlier Report

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: DX110_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-136-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0745 ng/Kg	0.0745U ng/Kg
SL-136-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0470 ng/Kg	0.0470U ng/Kg
SL-136-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0716 ng/Kg	0.0716U ng/Kg
SL-136-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0280 ng/Kg	0.0280U ng/Kg
SL-136-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0672 ng/Kg	0.0672U ng/Kg
SL-136-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0711 ng/Kg	0.0711U ng/Kg
SL-136-SA6-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0402 ng/Kg	0.0402U ng/Kg
SL-136-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PCDF	0.0550 ng/Kg	0.0550U ng/Kg
SL-136-SA6-SB-4.0-5.0(RES)	OCDF	0.313 ng/Kg	0.313U ng/Kg
SL-136-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.681 ng/Kg	0.681U ng/Kg
SL-136-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.165 ng/Kg	0.165U ng/Kg
SL-136-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0408 ng/Kg	0.0408U ng/Kg
SL-136-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.0367 ng/Kg	0.0367U ng/Kg
SL-136-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.0359 ng/Kg	0.0359U ng/Kg
SL-136-SA6-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.0419 ng/Kg	0.0419U ng/Kg
SL-136-SA6-SB-9.0-10.0(RES)	2,3,4,7,8-PCDF	0.0646 ng/Kg	0.0646U ng/Kg
SL-136-SA6-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0430 ng/Kg	0.0430U ng/Kg
SL-136-SA6-SB-9.0-10.0(RES)	OCDD	2.50 ng/Kg	2.50U ng/Kg
SL-136-SA6-SB-9.0-10.0(RES)	OCDF	0.187 ng/Kg	0.187U ng/Kg
SL-138-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.493 ng/Kg	0.493U ng/Kg
SL-138-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.129 ng/Kg	0.129U ng/Kg
SL-138-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0361 ng/Kg	0.0361U ng/Kg
SL-138-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0321 ng/Kg	0.0321U ng/Kg
SL-138-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0317 ng/Kg	0.0317U ng/Kg
SL-138-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0239 ng/Kg	0.0239U ng/Kg
SL-138-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0571 ng/Kg	0.0571U ng/Kg
SL-138-SA6-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0529 ng/Kg	0.0529U ng/Kg
SL-138-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PCDF	0.0546 ng/Kg	0.0546U ng/Kg
SL-138-SA6-SB-4.0-5.0(RES)	OCDD	1.60 ng/Kg	1.60U ng/Kg
SL-138-SA6-SB-4.0-5.0(RES)	OCDF	0.138 ng/Kg	0.138U ng/Kg
SL-138-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.848 ng/Kg	0.848U ng/Kg
SL-138-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.272 ng/Kg	0.272U ng/Kg
SL-138-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0574 ng/Kg	0.0574U ng/Kg
SL-138-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.121 ng/Kg	0.121U ng/Kg
SL-138-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.160 ng/Kg	0.160U ng/Kg
SL-138-SA6-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.108 ng/Kg	0.108U ng/Kg
SL-138-SA6-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0833 ng/Kg	0.0833U ng/Kg
SL-138-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.0675 ng/Kg	0.0675U ng/Kg
SL-138-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.115 ng/Kg	0.115U ng/Kg
SL-138-SA6-SB-9.0-10.0(RES)	1,2,3,7,8-PCDD	0.133 ng/Kg	0.133U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 7:40:54 AM

ADR version 1.4.0.111

Page 2 of 5

Method Blank Outlier Report

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: DX110_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-138-SA6-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.101 ng/Kg	0.101U ng/Kg
SL-138-SA6-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.191 ng/Kg	0.191U ng/Kg
SL-138-SA6-SB-9.0-10.0(RES)	OCDF	0.447 ng/Kg	0.447U ng/Kg
SL-139-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.533 ng/Kg	0.533U ng/Kg
SL-139-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.119 ng/Kg	0.119U ng/Kg
SL-139-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0511 ng/Kg	0.0511U ng/Kg
SL-139-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0619 ng/Kg	0.0619U ng/Kg
SL-139-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0388 ng/Kg	0.0388U ng/Kg
SL-139-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0435 ng/Kg	0.0435U ng/Kg
SL-139-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0739 ng/Kg	0.0739U ng/Kg
SL-139-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0410 ng/Kg	0.0410U ng/Kg
SL-139-SA6-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0602 ng/Kg	0.0602U ng/Kg
SL-139-SA6-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0550 ng/Kg	0.0550U ng/Kg
SL-139-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.102 ng/Kg	0.102U ng/Kg
SL-139-SA6-SB-4.0-5.0(RES)	OCDD	1.87 ng/Kg	1.87U ng/Kg
SL-139-SA6-SB-4.0-5.0(RES)	OCDF	0.236 ng/Kg	0.236U ng/Kg
SL-139-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.694 ng/Kg	0.694U ng/Kg
SL-139-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.212 ng/Kg	0.212U ng/Kg
SL-139-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0691 ng/Kg	0.0691U ng/Kg
SL-139-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.102 ng/Kg	0.102U ng/Kg
SL-139-SA6-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0850 ng/Kg	0.0850U ng/Kg
SL-139-SA6-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0895 ng/Kg	0.0895U ng/Kg
SL-139-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0759 ng/Kg	0.0759U ng/Kg
SL-139-SA6-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.119 ng/Kg	0.119U ng/Kg
SL-139-SA6-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0599 ng/Kg	0.0599U ng/Kg
SL-139-SA6-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.130 ng/Kg	0.130U ng/Kg
SL-139-SA6-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0755 ng/Kg	0.0755U ng/Kg
SL-139-SA6-SB-9.0-10.0(RES)	OCDD	2.45 ng/Kg	2.45U ng/Kg
SL-139-SA6-SB-9.0-10.0(RES)	OCDF	0.163 ng/Kg	0.163U ng/Kg
SL-149-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.807 ng/Kg	0.807U ng/Kg
SL-149-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.251 ng/Kg	0.251U ng/Kg
SL-149-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0619 ng/Kg	0.0619U ng/Kg
SL-149-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.109 ng/Kg	0.109U ng/Kg
SL-149-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0558 ng/Kg	0.0558U ng/Kg
SL-149-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.122 ng/Kg	0.122U ng/Kg
SL-149-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0982 ng/Kg	0.0982U ng/Kg
SL-149-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0801 ng/Kg	0.0801U ng/Kg
SL-149-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0580 ng/Kg	0.0580U ng/Kg
SL-149-SA5DN-SB-4.0-5.0(RES)	OCDF	0.518 ng/Kg	0.518U ng/Kg
SL-199-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.703 ng/Kg	0.703U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 7:40:54 AM

ADR version 1.4.0.111

Page 3 of 5

Method Blank Outlier Report

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: DX110_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-199-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.195 ng/Kg	0.195U ng/Kg
SL-199-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0396 ng/Kg	0.0396U ng/Kg
SL-199-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0741 ng/Kg	0.0741U ng/Kg
SL-199-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.188 ng/Kg	0.188U ng/Kg
SL-199-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0407 ng/Kg	0.0407U ng/Kg
SL-199-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0889 ng/Kg	0.0889U ng/Kg
SL-199-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0839 ng/Kg	0.0839U ng/Kg
SL-199-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0485 ng/Kg	0.0485U ng/Kg
SL-199-SA5DN-SB-4.0-5.0(RES)	OCDD	2.11 ng/Kg	2.11U ng/Kg
SL-199-SA5DN-SB-4.0-5.0(RES)	OCDF	0.264 ng/Kg	0.264U ng/Kg
SL-199-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.857 ng/Kg	0.857U ng/Kg
SL-199-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.227 ng/Kg	0.227U ng/Kg
SL-199-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0376 ng/Kg	0.0376U ng/Kg
SL-199-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.0465 ng/Kg	0.0465U ng/Kg
SL-199-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.0397 ng/Kg	0.0397U ng/Kg
SL-199-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0191 ng/Kg	0.0191U ng/Kg
SL-199-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.0660 ng/Kg	0.0660U ng/Kg
SL-199-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.0487 ng/Kg	0.0487U ng/Kg
SL-199-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0579 ng/Kg	0.0579U ng/Kg
SL-199-SA5DN-SB-9.0-10.0(RES)	OCDD	3.74 ng/Kg	3.74U ng/Kg
SL-199-SA5DN-SB-9.0-10.0(RES)	OCDF	0.271 ng/Kg	0.271U ng/Kg
SL-275-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.608 ng/Kg	0.608U ng/Kg
SL-275-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.117 ng/Kg	0.117U ng/Kg
SL-275-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0798 ng/Kg	0.0798U ng/Kg
SL-275-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0664 ng/Kg	0.0664U ng/Kg
SL-275-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0785 ng/Kg	0.0785U ng/Kg
SL-275-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0364 ng/Kg	0.0364U ng/Kg
SL-275-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.134 ng/Kg	0.134U ng/Kg
SL-275-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0569 ng/Kg	0.0569U ng/Kg
SL-275-SA6-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0274 ng/Kg	0.0274U ng/Kg
SL-275-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0570 ng/Kg	0.0570U ng/Kg
SL-275-SA6-SB-4.0-5.0(RES)	OCDD	2.02 ng/Kg	2.02U ng/Kg
SL-275-SA6-SB-4.0-5.0(RES)	OCDF	0.224 ng/Kg	0.224U ng/Kg
SL-275-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.555 ng/Kg	0.555U ng/Kg
SL-275-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.128 ng/Kg	0.128U ng/Kg
SL-275-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.0396 ng/Kg	0.0396U ng/Kg
SL-275-SA6-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.0337 ng/Kg	0.0337U ng/Kg
SL-275-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.0280 ng/Kg	0.0280U ng/Kg
SL-275-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.0257 ng/Kg	0.0257U ng/Kg
SL-275-SA6-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.0393 ng/Kg	0.0393U ng/Kg

Project Name and Number: 1203-004-008-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 7:40:54 AM

ADR version 1.4.0.111

Page 4 of 5

Method Blank Outlier Report

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: DX110_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-275-SA6-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0387 ng/Kg	0.0387U ng/Kg
SL-275-SA6-SB-9.0-10.0(RES)	OCDD	2.71 ng/Kg	2.71U ng/Kg
SL-275-SA6-SB-9.0-10.0(RES)	OCDF	0.152 ng/Kg	0.152U ng/Kg
SL-276-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.232 ng/Kg	0.232U ng/Kg
SL-276-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.423 ng/Kg	0.423U ng/Kg
SL-276-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0993 ng/Kg	0.0993U ng/Kg
SL-276-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0357 ng/Kg	0.0357U ng/Kg
SL-276-SA6-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0291 ng/Kg	0.0291U ng/Kg
SL-276-SA6-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0427 ng/Kg	0.0427U ng/Kg
SL-276-SA6-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0541 ng/Kg	0.0541U ng/Kg
SL-276-SA6-SB-9.0-10.0(RES)	OCDD	1.24 ng/Kg	1.24U ng/Kg
SL-276-SA6-SB-9.0-10.0(RES)	OCDF	0.150 ng/Kg	0.150U ng/Kg
SL-289-SA6-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	1.92 ng/Kg	1.92U ng/Kg
SL-289-SA6-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.300 ng/Kg	0.300U ng/Kg
SL-289-SA6-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.0421 ng/Kg	0.0421U ng/Kg
SL-289-SA6-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.0740 ng/Kg	0.0740U ng/Kg
SL-289-SA6-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0267 ng/Kg	0.0267U ng/Kg
SL-289-SA6-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.0738 ng/Kg	0.0738U ng/Kg
SL-289-SA6-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0209 ng/Kg	0.0209U ng/Kg
SL-289-SA6-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0410 ng/Kg	0.0410U ng/Kg
SL-289-SA6-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.0424 ng/Kg	0.0424U ng/Kg
SL-289-SA6-SS-0.0-0.5(RES)	OCDF	0.493 ng/Kg	0.493U ng/Kg

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: DX110_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-297-SA6-SS-0.0-0.5MS SL-297-SA6-SS-0.0-0.5MSD (SL-297-SA6-SS-0.0-0.5)	OCDD	-489	-572	40.00-135.00	-	OCDD	No Qual, >4x
SL-297-SA6-SS-0.0-0.5MSD (SL-297-SA6-SS-0.0-0.5)	1,2,3,4,6,7,8-HPCDD	-	35	40.00-135.00	-	1,2,3,4,6,7,8-HPCDD	No Qual, >4x

Field Duplicate RPD Report

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: DX110_v1.

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-297-SA6-SS-0.0-0.5	DUP01-SA6-QC-071111			
MOISTURE	0.85	0.80	6		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-297-SA6-SS-0.0-0.5	DUP01-SA6-QC-071111			
1,2,3,4,6,7,8-HPCDD	2850	3330	16	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	354	419	17	50.00	
1,2,3,4,7,8,9-HPCDF	41.6	49.0	16	50.00	
1,2,3,4,7,8-HxCDD	12.0	14.0	15	50.00	
1,2,3,4,7,8-HxCDF	30.7	33.5	9	50.00	
1,2,3,6,7,8-HxCDD	70.9	84.3	17	50.00	
1,2,3,6,7,8-HxCDF	17.7	20.7	16	50.00	
1,2,3,7,8,9-HxCDD	27.6	31.9	14	50.00	
1,2,3,7,8,9-HxCDF	5.90	6.47	9	50.00	
1,2,3,7,8-PCDD	7.47	6.57	13	50.00	
1,2,3,7,8-PCDF	33.6	51.0	41	50.00	
2,3,4,6,7,8-HxCDF	31.1	37.9	20	50.00	
2,3,4,7,8-PCDF	28.7	34.2	17	50.00	
2,3,7,8-TCDD	0.939	0.936	0	50.00	
2,3,7,8-TCDF	11.8	11.5	3	50.00	
OCDD	56700	66100	15	50.00	
OCDF	736	848	14	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: DX110_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP01-SA6-QC-071111	2,3,7,8-TCDD	J	0.936	1.01	PQL	ng/Kg	J (all detects)
SL-135-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.458	5.75	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.177	5.75	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0298	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0452	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0268	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0749	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0932	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0542	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0288	5.75	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0516	5.75	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0432	5.75	PQL	ng/Kg	
	OCDD	JBQ	0.987	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.229	11.5	PQL	ng/Kg	
SL-136-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.805	5.40	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.173	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0745	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0470	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0716	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0280	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0672	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0711	5.40	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0402	5.40	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0550	5.40	PQL	ng/Kg	
	OCDD	JB	6.26	10.8	PQL	ng/Kg	
	OCDF	JBQ	0.313	10.8	PQL	ng/Kg	
SL-136-SA6-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.681	5.40	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.165	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0408	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0367	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0359	5.40	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0419	5.40	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0646	5.40	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0479	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0430	1.08	PQL	ng/Kg	
	OCDD	JB	2.50	10.8	PQL	ng/Kg	
	OCDF	JBQ	0.187	10.8	PQL	ng/Kg	
SL-138-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.493	5.31	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.129	5.31	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0361	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0321	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0317	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0239	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0571	5.31	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0529	5.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0546	5.31	PQL	ng/Kg	
	OCDD	JB	1.60	10.6	PQL	ng/Kg	
	OCDF	JBQ	0.138	10.6	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: DX110_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-138-SA6-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.848	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.272	5.51	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0574	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.121	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.160	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.108	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0833	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0675	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.115	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.133	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.176	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.101	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.191	5.51	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.113	1.10	PQL	ng/Kg	
	OCDD	JB	4.73	11.0	PQL	ng/Kg	
	OCDF	JBQ	0.447	11.0	PQL	ng/Kg	
SL-139-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.533	5.37	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.119	5.37	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0511	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0619	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0388	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0435	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0739	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0410	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0602	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.0746	5.37	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0550	5.37	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.102	5.37	PQL	ng/Kg	
	OCDD	JB	1.87	10.7	PQL	ng/Kg	
	OCDF	JBQ	0.236	10.7	PQL	ng/Kg	
SL-139-SA6-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.694	5.60	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.212	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0691	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.102	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0850	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0895	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0759	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.119	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.148	5.60	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0599	5.60	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.130	5.60	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0755	1.12	PQL	ng/Kg	
	OCDD	JB	2.45	11.2	PQL	ng/Kg	
	OCDF	JBQ	0.163	11.2	PQL	ng/Kg	
SL-149-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.807	5.44	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.251	5.44	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0619	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.109	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0558	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.122	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0982	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0310	5.44	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0801	5.44	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0580	5.44	PQL	ng/Kg	
	OCDD	JB	6.19	10.9	PQL	ng/Kg	
	OCDF	JBQ	0.518	10.9	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: DX110_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-149-SA6-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.24	5.02	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.14	5.02	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	2.61	5.02	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.65	5.02	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.993	5.02	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.87	5.02	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.434	5.02	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.906	5.02	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	1.01	5.02	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.04	5.02	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.27	5.02	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.267	1.00	PQL	ng/Kg	
SL-199-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.703	5.79	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.195	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0396	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0741	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.188	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0407	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.438	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.538	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0889	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.145	5.79	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0839	5.79	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0485	5.79	PQL	ng/Kg	
	OCDD	JB	2.11	11.6	PQL	ng/Kg	
	OCDF	JB	0.264	11.6	PQL	ng/Kg	
SL-199-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.857	5.57	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.227	5.57	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0376	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0465	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0397	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0191	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0660	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0345	5.57	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0487	5.57	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0579	5.57	PQL	ng/Kg	
	OCDD	JB	3.74	11.1	PQL	ng/Kg	
	OCDF	JBQ	0.271	11.1	PQL	ng/Kg	
SL-275-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.608	5.15	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.117	5.15	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0798	5.15	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0664	5.15	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0785	5.15	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0364	5.15	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.134	5.15	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0569	5.15	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0324	5.15	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0274	5.15	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0570	5.15	PQL	ng/Kg	
	OCDD	JB	2.02	10.3	PQL	ng/Kg	
	OCDF	JBQ	0.224	10.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX110

Laboratory: LL

EDD Filename: DX110_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-275-SA6-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.555	5.45	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.128	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0396	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0337	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0280	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0257	5.45	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0393	5.45	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0387	5.45	PQL	ng/Kg	
	OCDD	JBQ	2.71	10.9	PQL	ng/Kg	
	OCDF	JBQ	0.152	10.9	PQL	ng/Kg	
SL-276-SA6-SB-4.0-5.0	1,2,3,4,7,8,9-HPCDF	JB	1.21	5.42	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	0.529	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	2.46	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.90	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.05	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.17	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.232	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.230	5.42	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.756	5.42	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.81	5.42	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0400	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JC	0.965	1.08	PQL	ng/Kg	
SL-276-SA6-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.423	5.41	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0993	5.41	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0357	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0291	5.41	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0427	5.41	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0541	5.41	PQL	ng/Kg	
	OCDD	JB	1.24	10.8	PQL	ng/Kg	
	OCDF	JB	0.150	10.8	PQL	ng/Kg	
SL-289-SA6-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.92	4.94	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.300	4.94	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0421	4.94	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0740	4.94	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0267	4.94	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0738	4.94	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0209	4.94	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0282	4.94	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0410	4.94	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0424	4.94	PQL	ng/Kg	
	OCDF	JB	0.493	9.88	PQL	ng/Kg	
SL-292-SA6-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.67	5.01	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	2.52	5.01	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	3.55	5.01	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	4.86	5.01	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.02	5.01	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	2.04	5.01	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	3.99	5.01	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	3.32	5.01	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	4.57	5.01	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.643	1.00	PQL	ng/Kg	
SL-297-SA6-SS-0.0-0.5	2,3,7,8-TCDD	JQ	0.939	1.01	PQL	ng/Kg	J (all detects)

SAMPLE DELIVERY GROUP

DX120

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
26-Jul-2011	SL-077-SA6-SB-4.0-5.0	6356798	N	METHOD	1613B	III
26-Jul-2011	SL-077-SA6-SB-9.0-10.0	6356799	N	METHOD	1613B	III
26-Jul-2011	SL-080-SA6-SB-3.5-4.5	6356800	N	METHOD	1613B	III
26-Jul-2011	EB-SA6-SS-072611	6356801	EB	METHOD	1613B	III
26-Jul-2011	SL-311-SA6-SS-0.0-0.5	6356802	N	METHOD	1613B	III
26-Jul-2011	DUP08-SA6-QC-072611	6356797	FD	METHOD	1613B	III
27-Jul-2011	SL-028-SA6-SS-0.0-0.5	6358402	N	METHOD	1613B	III
27-Jul-2011	SL-009-SA6-SS-0.0-0.5	6358398	N	METHOD	1613B	III
27-Jul-2011	SL-009-SA6-SS-0.0-0.5MS	6358399	MS	METHOD	1613B	III
27-Jul-2011	SL-009-SA6-SS-0.0-0.5MSD	6358400	MSD	METHOD	1613B	III
27-Jul-2011	SL-009-SA6-SS-0.0-0.5MSD	P358398M371933	MSD	METHOD	1613B	III
27-Jul-2011	SL-009-SA6-SS-0.0-0.5MS	P358398R371837	MS	METHOD	1613B	III
27-Jul-2011	DUP09-SA6-QC-072711	6358403	FD	METHOD	1613B	III
27-Jul-2011	SL-069-SA6-SB-4.0-5.0	6358404	N	METHOD	1613B	III
27-Jul-2011	SL-069-SA6-SB-9.0-10.0	6358405	N	METHOD	1613B	III
27-Jul-2011	SL-017-SA6-SS-0.0-0.5	6358401	N	METHOD	1613B	III
27-Jul-2011	SL-089-SA6-SB-4.0-5.0	6358407	N	METHOD	1613B	III
27-Jul-2011	SL-089-SA6-SB-9.0-10.0	6358408	N	METHOD	1613B	III
27-Jul-2011	SL-076-SA6-SB-2.0-3.0	6358406	N	METHOD	1613B	III
27-Jul-2011	SL-117-SA6-SB-2.0-3.0	6358409	N	METHOD	1613B	III
27-Jul-2011	EB-SA6-SB-072711	6358412	EB	METHOD	1613B	III
27-Jul-2011	SL-179-SA5DN-SB-4.0-5.0	6358410	N	METHOD	1613B	III
27-Jul-2011	SL-179-SA5DN-SB-9.0-10.0	6358411	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: AQ

Sample ID: EB-SA6-SB-072711

Collected: 7/27/2011 1:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.95	JB	0.566	MDL	9.80	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	0.567	JBQ	0.215	MDL	9.80	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.369	JBQ	0.346	MDL	9.80	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDF	0.225	JBQ	0.210	MDL	9.80	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDF	0.334	JBQ	0.216	MDL	9.80	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDD	0.679	JBQ	0.360	MDL	9.80	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDF	0.463	JB	0.213	MDL	9.80	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.377	JQ	0.292	MDL	9.80	PQL	pg/L	J	Z
2,3,4,7,8-PECDF	0.611	JBQ	0.254	MDL	9.80	PQL	pg/L	U	B
2,3,7,8-TCDF	0.571	JQ	0.534	MDL	1.96	PQL	pg/L	J	Z
OCDD	5.10	JBQ	0.418	MDL	19.6	PQL	pg/L	U	B
OCDF	0.922	JB	0.542	MDL	19.6	PQL	pg/L	U	B

Sample ID: EB-SA6-SS-072611

Collected: 7/26/2011 11:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.71	JBQ	0.646	MDL	9.94	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	1.69	JB	0.317	MDL	9.94	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.449	JBQ	0.335	MDL	9.94	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDD	0.484	JB	0.423	MDL	9.94	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDF	0.392	JBQ	0.308	MDL	9.94	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDD	0.576	JBQ	0.428	MDL	9.94	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDF	1.09	JBQ	0.319	MDL	9.94	PQL	pg/L	U	B
1,2,3,7,8-PECDF	1.65	JQ	0.373	MDL	9.94	PQL	pg/L	J	Z
2,3,4,6,7,8-HxCDF	0.368	JBQ	0.287	MDL	9.94	PQL	pg/L	U	B
2,3,4,7,8-PECDF	1.95	JBQ	0.334	MDL	9.94	PQL	pg/L	U	B
OCDD	7.99	JB	0.446	MDL	19.9	PQL	pg/L	U	B
OCDF	1.26	JBQ	0.727	MDL	19.9	PQL	pg/L	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:35:26 AM

ADR version 1.4.0.111

Page 1 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: DUP08-SA6-QC-072611

Collected: 7/26/2011 12:14:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.49	JB	0.0474	MDL	5.08	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.737	JB	0.0239	MDL	5.08	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.66	JB	0.0249	MDL	5.08	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.69	JB	0.0249	MDL	5.08	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.822	JBQ	0.0427	MDL	5.08	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.363	JB	0.0350	MDL	5.08	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	1.80	JB	0.0371	MDL	5.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0680	JB	0.0193	MDL	1.02	PQL	ng/Kg	U	B

Sample ID: DUP09-SA6-QC-072711

Collected: 7/27/2011 8:28:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.92	JB	0.0370	MDL	4.93	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.50	JB	0.0298	MDL	4.93	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	2.79	JB	0.0383	MDL	4.93	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.63	JB	0.0283	MDL	4.93	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.819	JB	0.0345	MDL	4.93	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.24	JB	0.0421	MDL	4.93	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.90	JB	0.0482	MDL	4.93	PQL	ng/Kg	J	Z, FD
2,3,4,6,7,8-HxCDF	2.84	JB	0.0318	MDL	4.93	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	1.32	B	0.0202	MDL	0.986	PQL	ng/Kg	J	FD

Sample ID: SL-009-SA6-SS-0.0-0.5

Collected: 7/27/2011 8:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.83	JB	0.0305	MDL	5.08	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.58	JB	0.0282	MDL	5.08	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	3.33	JB	0.0351	MDL	5.08	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.42	JB	0.0267	MDL	5.08	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.876	JB	0.0345	MDL	5.08	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.32	JB	0.0449	MDL	5.08	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	10.3	B	0.0513	MDL	5.08	PQL	ng/Kg	J	FD
2,3,4,6,7,8-HxCDF	3.16	JB	0.0326	MDL	5.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	6.67	B	0.0211	MDL	1.02	PQL	ng/Kg	J	FD
OCDF	80.5	B	0.0230	MDL	10.2	PQL	ng/Kg	J	Q, Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:35:26 AM

ADR version 1.4.0.111

Page 2 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-017-SA6-SS-0.0-0.5

Collected: 7/27/2011 9:14:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HxCDD	4.75	JB	0.0824	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	4.18	JB	0.0557	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	1.17	JB	0.0596	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	2.18	JB	0.0588	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	2.36	JB	0.0388	MDL	5.00	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.326	JB	0.0244	MDL	1.00	PQL	ng/Kg	J	Z
OCDD	21800	EB	0.188	MDL	10.0	PQL	ng/Kg	J	*XI

Sample ID: SL-028-SA6-SS-0.0-0.5

Collected: 7/27/2011 7:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.52	JB	0.0345	MDL	5.07	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.77	JB	0.0342	MDL	5.07	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.81	JB	0.0319	MDL	5.07	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.964	JB	0.0519	MDL	5.07	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.49	JB	0.0602	MDL	5.07	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	4.02	JB	0.0450	MDL	5.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.302	JB	0.0197	MDL	1.01	PQL	ng/Kg	J	Z

Sample ID: SL-069-SA6-SB-4.0-5.0

Collected: 7/27/2011 8:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.401	JB	0.0121	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.124	JBQ	0.0248	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0266	JB	0.0154	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.104	JBQ	0.0163	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.120	JB	0.0158	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0597	JB	0.0130	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.107	JB	0.0154	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0782	JB	0.0168	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0351	JBQ	0.0119	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0526	JBQ	0.0121	MDL	5.22	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0733	JB	0.0136	MDL	5.22	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.106	JBQ	0.0124	MDL	5.22	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0117	JBQ	0.0105	MDL	1.04	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:35:26 AM

ADR version 1.4.0.111

Page 3 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-069-SA6-SB-4.0-5.0

Collected: 7/27/2011 8:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDF	0.0257	JBQ	0.0147	MDL	1.04	PQL	ng/Kg	U	B
OCDF	0.991	JB	0.0310	MDL	10.4	PQL	ng/Kg	J	Z

Sample ID: SL-069-SA6-SB-9.0-10.0

Collected: 7/27/2011 8:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.37	JB	0.0191	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.150	JBQ	0.00885	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0618	JB	0.0161	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0355	JBQ	0.0136	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.358	JB	0.0178	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.0808	JB	0.0145	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0515	JBQ	0.0146	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.143	JB	0.0126	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.164	JBQ	0.0171	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0451	JBQ	0.0131	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.140	JB	0.0156	MDL	5.48	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0593	JB	0.0125	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.261	JBQ	0.0164	MDL	5.48	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0825	JB	0.0313	MDL	1.10	PQL	ng/Kg	U	B
OCDD	10.5	JB	0.0240	MDL	11.0	PQL	ng/Kg	J	Z
OCDF	0.396	JB	0.0255	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-076-SA6-SB-2.0-3.0

Collected: 7/27/2011 11:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.473	JB	0.0199	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0433	JBQ	0.00542	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0620	JBQ	0.0125	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0199	JBQ	0.0146	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0227	JBQ	0.0119	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0393	JBQ	0.0154	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0311	JB	0.00975	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0689	JBQ	0.0148	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0310	JBQ	0.0160	MDL	5.41	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:35:26 AM

ADR version 1.4.0.111

Page 4 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-076-SA6-SB-2.0-3.0

Collected: 7/27/2011 11:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDF	0.0268	JBQ	0.00769	MDL	5.41	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0152	JBQ	0.0102	MDL	5.41	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0478	JBQ	0.00823	MDL	5.41	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0638	JB	0.0180	MDL	1.08	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0129	JBQ	0.0116	MDL	1.08	PQL	ng/Kg	U	B
OCDD	0.974	JB	0.0217	MDL	10.8	PQL	ng/Kg	U	B
OCDF	0.135	JBQ	0.0341	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-077-SA6-SB-4.0-5.0

Collected: 7/26/2011 9:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.83	JB	0.0336	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.326	JB	0.0484	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.102	JBQ	0.0283	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.174	JBQ	0.0246	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.518	JB	0.0294	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.125	JBQ	0.0239	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.220	JB	0.0284	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0880	JB	0.0279	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0581	JB	0.0166	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.655	JB	0.0156	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.204	JBQ	0.0244	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.282	JB	0.0150	MDL	5.38	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0208	JB	0.0141	MDL	1.08	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0649	JB	0.0221	MDL	1.08	PQL	ng/Kg	U	B
OCDF	5.93	JB	0.0586	MDL	10.8	PQL	ng/Kg	J	Z

Sample ID: SL-077-SA6-SB-9.0-10.0

Collected: 7/26/2011 9:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.48	JB	0.0236	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.238	JB	0.0226	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	2.19	JB	0.0226	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.931	JB	0.0235	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.944	JB	0.0205	MDL	5.73	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:35:26 AM

ADR version 1.4.0.111

Page 5 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-077-SA6-SB-9.0-10.0

Collected: 7/26/2011 9:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDD	0.421	JBQ	0.0238	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.806	JB	0.0254	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.231	JBQ	0.0178	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.926	JB	0.0223	MDL	5.73	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.13	JB	0.0212	MDL	5.73	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.24	JB	0.0213	MDL	5.73	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0576	JBQ	0.0121	MDL	1.15	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.481	JB	0.0397	MDL	1.15	PQL	ng/Kg	J	Z

Sample ID: SL-080-SA6-SB-3.5-4.5

Collected: 7/26/2011 10:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.435	JB	0.0136	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0648	JBQ	0.00775	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0331	JBQ	0.0133	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0177	JBQ	0.00984	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0497	JB	0.0135	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0438	JBQ	0.0103	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0325	JBQ	0.0114	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0446	JBQ	0.0102	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0502	JBQ	0.0145	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0156	JBQ	0.0112	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0287	JB	0.0114	MDL	5.19	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0566	JBQ	0.0124	MDL	5.19	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0625	JBQ	0.0110	MDL	5.19	PQL	ng/Kg	U	B
OCDD	1.08	JB	0.0138	MDL	10.4	PQL	ng/Kg	U	B
OCDF	0.172	JB	0.0185	MDL	10.4	PQL	ng/Kg	U	B

Sample ID: SL-089-SA6-SB-4.0-5.0

Collected: 7/27/2011 9:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.27	JB	0.0103	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.189	JB	0.0169	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0727	JBQ	0.0159	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.212	JBQ	0.0147	MDL	5.40	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:35:26 AM

ADR version 1.4.0.111

Page 6 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-089-SA6-SB-4.0-5.0

Collected: 7/27/2011 9:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDD	0.370	JB	0.0162	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.119	JB	0.0132	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.176	JB	0.0159	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0618	JBQ	0.0163	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0484	JB	0.0134	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.497	JB	0.0140	MDL	5.40	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.151	JB	0.0134	MDL	5.40	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.429	JB	0.0135	MDL	5.40	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0209	JBQ	0.00989	MDL	1.08	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.205	JB	0.0245	MDL	1.08	PQL	ng/Kg	J	Z
OCDF	2.80	JB	0.0201	MDL	10.8	PQL	ng/Kg	J	Z

Sample ID: SL-089-SA6-SB-9.0-10.0

Collected: 7/27/2011 10:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.44	JB	0.0153	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.473	JB	0.0214	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.346	JB	0.0224	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.396	JB	0.0177	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.26	JB	0.0228	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.216	JB	0.0153	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.570	JB	0.0229	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.120	JBQ	0.0169	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.385	JB	0.0171	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.111	JB	0.0127	MDL	5.31	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.323	JB	0.0141	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.357	JB	0.0124	MDL	5.31	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0567	JBQ	0.0101	MDL	1.06	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.204	JB	0.0189	MDL	1.06	PQL	ng/Kg	J	Z

Sample ID: SL-117-SA6-SB-2.0-3.0

Collected: 7/27/2011 12:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.484	JB	0.0137	MDL	5.14	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.136	JB	0.00699	MDL	5.14	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:35:26 AM

ADR version 1.4.0.111

Page 7 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-117-SA6-SB-2.0-3.0

Collected: 7/27/2011 12:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.0624	JB	0.0154	MDL	5.14	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0452	JBQ	0.00960	MDL	5.14	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0963	JBQ	0.00960	MDL	5.14	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0527	JB	0.0100	MDL	5.14	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0715	JB	0.00762	MDL	5.14	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0756	JB	0.00929	MDL	5.14	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0586	JBQ	0.0100	MDL	5.14	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0959	JBQ	0.00971	MDL	5.14	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.102	JB	0.00605	MDL	5.14	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0610	JB	0.00835	MDL	5.14	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.131	JB	0.00605	MDL	5.14	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0404	JB	0.00939	MDL	1.03	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0225	JBQ	0.00856	MDL	1.03	PQL	ng/Kg	U	B
OCDD	2.07	JB	0.0143	MDL	10.3	PQL	ng/Kg	U	B
OCDF	0.349	JB	0.0195	MDL	10.3	PQL	ng/Kg	U	B

Sample ID: SL-179-SA5DN-SB-4.0-5.0

Collected: 7/27/2011 2:31:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.33	JB	0.0382	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.90	JB	0.0547	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.982	JB	0.0282	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.11	JB	0.0255	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.11	JB	0.0528	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.328	JB	0.0335	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.713	JB	0.0352	MDL	5.16	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.638	JB	0.0158	MDL	5.16	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.80	JB	0.0273	MDL	5.16	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.626	JB	0.0159	MDL	5.16	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0859	JB	0.0140	MDL	1.03	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.126	JB	0.0284	MDL	1.03	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:35:26 AM

ADR version 1.4.0.111

Page 8 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-179-SA5DN-SB-9.0-10.0

Collected: 7/27/2011 2:49:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.852	JB	0.00889	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.111	JBQ	0.0168	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0800	JB	0.0200	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0747	JB	0.0122	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.311	JB	0.0201	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0642	JB	0.0103	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.145	JB	0.0205	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0285	JB	0.0130	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0536	JB	0.0137	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0467	JB	0.00730	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0903	JB	0.0107	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0887	JBQ	0.00718	MDL	5.52	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0116	JBQ	0.0105	MDL	1.10	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0278	JBQ	0.0131	MDL	1.10	PQL	ng/Kg	U	B
OCDF	1.98	JB	0.0200	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SL-311-SA6-SS-0.0-0.5

Collected: 7/26/2011 11:31:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	3.49	JB	0.0259	MDL	5.07	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.63	JB	0.0225	MDL	5.07	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.48	JB	0.0223	MDL	5.07	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.06	JB	0.0373	MDL	5.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.151	JB	0.0228	MDL	1.01	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:35:26 AM

ADR version 1.4.0.111

Page 9 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Laboratory Triplicate Precision
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*XI	Compound Quantitation and CRQL
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:35:26 AM

ADR version 1.4.0.111

Page 10 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation
Q	Matrix Spike Upper Rejection

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:35:26 AM

ADR version 1.4.0.111

Page 11 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:35:26 AM

ADR version 1.4.0.111

Page 12 of 12

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX120

Method Blank Outlier Report

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK2340B371734	8/23/2011 5:34:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF OCDD OCDF	2.80 pg/L 0.632 pg/L 0.512 pg/L 0.765 pg/L 0.547 pg/L 0.856 pg/L 0.489 pg/L 0.876 pg/L 0.588 pg/L 0.858 pg/L 0.562 pg/L 1.02 pg/L 6.56 pg/L 2.84 pg/L	EB-SA6-SB-072711 EB-SA6-SS-072611

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
EB-SA6-SB-072711(RES)	1,2,3,4,6,7,8-HPCDD	2.95 pg/L	2.95U pg/L
EB-SA6-SB-072711(RES)	1,2,3,4,6,7,8-HPCDF	0.567 pg/L	0.567U pg/L
EB-SA6-SB-072711(RES)	1,2,3,4,7,8-HxCDD	0.369 pg/L	0.369U pg/L
EB-SA6-SB-072711(RES)	1,2,3,4,7,8-HxCDF	0.225 pg/L	0.225U pg/L
EB-SA6-SB-072711(RES)	1,2,3,6,7,8-HxCDF	0.334 pg/L	0.334U pg/L
EB-SA6-SB-072711(RES)	1,2,3,7,8,9-HxCDD	0.679 pg/L	0.679U pg/L
EB-SA6-SB-072711(RES)	1,2,3,7,8,9-HxCDF	0.463 pg/L	0.463U pg/L
EB-SA6-SB-072711(RES)	2,3,4,7,8-PECDF	0.611 pg/L	0.611U pg/L
EB-SA6-SB-072711(RES)	OCDD	5.10 pg/L	5.10U pg/L
EB-SA6-SB-072711(RES)	OCDF	0.922 pg/L	0.922U pg/L
EB-SA6-SS-072611(RES)	1,2,3,4,6,7,8-HPCDD	3.71 pg/L	3.71U pg/L
EB-SA6-SS-072611(RES)	1,2,3,4,6,7,8-HPCDF	1.69 pg/L	1.69U pg/L
EB-SA6-SS-072611(RES)	1,2,3,4,7,8,9-HPCDF	0.449 pg/L	0.449U pg/L
EB-SA6-SS-072611(RES)	1,2,3,6,7,8-HxCDD	0.484 pg/L	0.484U pg/L
EB-SA6-SS-072611(RES)	1,2,3,6,7,8-HxCDF	0.392 pg/L	0.392U pg/L
EB-SA6-SS-072611(RES)	1,2,3,7,8,9-HxCDD	0.576 pg/L	0.576U pg/L
EB-SA6-SS-072611(RES)	1,2,3,7,8,9-HxCDF	1.09 pg/L	1.09U pg/L
EB-SA6-SS-072611(RES)	2,3,4,6,7,8-HxCDF	0.368 pg/L	0.368U pg/L
EB-SA6-SS-072611(RES)	2,3,4,7,8-PECDF	1.95 pg/L	1.95U pg/L
EB-SA6-SS-072611(RES)	OCDD	7.99 pg/L	7.99U pg/L
EB-SA6-SS-072611(RES)	OCDF	1.26 pg/L	1.26U pg/L

Method Blank Outlier Report

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK2220B371906	8/11/2011 7:06:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD 2,3,7,8-TCDF OCDD OCDF	0.375 ng/Kg 0.0662 ng/Kg 0.0516 ng/Kg 0.0259 ng/Kg 0.0276 ng/Kg 0.0288 ng/Kg 0.0193 ng/Kg 0.0352 ng/Kg 0.0495 ng/Kg 0.0249 ng/Kg 0.0262 ng/Kg 0.0255 ng/Kg 0.0487 ng/Kg 0.0152 ng/Kg 0.0165 ng/Kg 1.08 ng/Kg 0.166 ng/Kg	DUP08-SA6-QC-072611 DUP09-SA6-QC-072711 SL-009-SA6-SS-0.0-0.5 SL-017-SA6-SS-0.0-0.5 SL-028-SA6-SS-0.0-0.5 SL-069-SA6-SB-4.0-5.0 SL-069-SA6-SB-9.0-10.0 SL-076-SA6-SB-2.0-3.0 SL-077-SA6-SB-4.0-5.0 SL-077-SA6-SB-9.0-10.0 SL-080-SA6-SB-3.5-4.5 SL-089-SA6-SB-4.0-5.0 SL-089-SA6-SB-9.0-10.0 SL-117-SA6-SB-2.0-3.0 SL-179-SA5DN-SB-4.0-5.0 SL-179-SA5DN-SB-9.0-10.0 SL-311-SA6-SS-0.0-0.5

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP08-SA6-QC-072611(RES)	2,3,7,8-TCDD	0.0680 ng/Kg	0.0680U ng/Kg
SL-069-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.124 ng/Kg	0.124U ng/Kg
SL-069-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0266 ng/Kg	0.0266U ng/Kg
SL-069-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.104 ng/Kg	0.104U ng/Kg
SL-069-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.120 ng/Kg	0.120U ng/Kg
SL-069-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0597 ng/Kg	0.0597U ng/Kg
SL-069-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.107 ng/Kg	0.107U ng/Kg
SL-069-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0782 ng/Kg	0.0782U ng/Kg
SL-069-SA6-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0351 ng/Kg	0.0351U ng/Kg
SL-069-SA6-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0526 ng/Kg	0.0526U ng/Kg
SL-069-SA6-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0733 ng/Kg	0.0733U ng/Kg
SL-069-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.106 ng/Kg	0.106U ng/Kg
SL-069-SA6-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0117 ng/Kg	0.0117U ng/Kg
SL-069-SA6-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0257 ng/Kg	0.0257U ng/Kg
SL-069-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	1.37 ng/Kg	1.37U ng/Kg
SL-069-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.150 ng/Kg	0.150U ng/Kg
SL-069-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0618 ng/Kg	0.0618U ng/Kg
SL-069-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0355 ng/Kg	0.0355U ng/Kg
SL-069-SA6-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.0808 ng/Kg	0.0808U ng/Kg
SL-069-SA6-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0515 ng/Kg	0.0515U ng/Kg
SL-069-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.143 ng/Kg	0.143U ng/Kg
SL-069-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.164 ng/Kg	0.164U ng/Kg
SL-069-SA6-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0451 ng/Kg	0.0451U ng/Kg
SL-069-SA6-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.0593 ng/Kg	0.0593U ng/Kg
SL-069-SA6-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0825 ng/Kg	0.0825U ng/Kg
SL-069-SA6-SB-9.0-10.0(RES)	OCDF	0.396 ng/Kg	0.396U ng/Kg
SL-076-SA6-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDD	0.473 ng/Kg	0.473U ng/Kg
SL-076-SA6-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0433 ng/Kg	0.0433U ng/Kg
SL-076-SA6-SB-2.0-3.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0620 ng/Kg	0.0620U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:33:16 AM

ADR version 1.4.0.111

Page 2 of 4

Method Blank Outlier Report

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-076-SA6-SB-2.0-3.0(RES)	1,2,3,4,7,8-HxCDD	0.0199 ng/Kg	0.0199U ng/Kg
SL-076-SA6-SB-2.0-3.0(RES)	1,2,3,4,7,8-HxCDF	0.0227 ng/Kg	0.0227U ng/Kg
SL-076-SA6-SB-2.0-3.0(RES)	1,2,3,6,7,8-HxCDD	0.0393 ng/Kg	0.0393U ng/Kg
SL-076-SA6-SB-2.0-3.0(RES)	1,2,3,6,7,8-HxCDF	0.0311 ng/Kg	0.0311U ng/Kg
SL-076-SA6-SB-2.0-3.0(RES)	1,2,3,7,8,9-HxCDD	0.0689 ng/Kg	0.0689U ng/Kg
SL-076-SA6-SB-2.0-3.0(RES)	1,2,3,7,8-PECDD	0.0310 ng/Kg	0.0310U ng/Kg
SL-076-SA6-SB-2.0-3.0(RES)	1,2,3,7,8-PECDF	0.0268 ng/Kg	0.0268U ng/Kg
SL-076-SA6-SB-2.0-3.0(RES)	2,3,4,6,7,8-HxCDF	0.0152 ng/Kg	0.0152U ng/Kg
SL-076-SA6-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.0478 ng/Kg	0.0478U ng/Kg
SL-076-SA6-SB-2.0-3.0(RES)	2,3,7,8-TCDD	0.0638 ng/Kg	0.0638U ng/Kg
SL-076-SA6-SB-2.0-3.0(RES)	2,3,7,8-TCDF	0.0129 ng/Kg	0.0129U ng/Kg
SL-076-SA6-SB-2.0-3.0(RES)	OCDD	0.974 ng/Kg	0.974U ng/Kg
SL-076-SA6-SB-2.0-3.0(RES)	OCDF	0.135 ng/Kg	0.135U ng/Kg
SL-077-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.102 ng/Kg	0.102U ng/Kg
SL-077-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0880 ng/Kg	0.0880U ng/Kg
SL-077-SA6-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0581 ng/Kg	0.0581U ng/Kg
SL-077-SA6-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0208 ng/Kg	0.0208U ng/Kg
SL-077-SA6-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0649 ng/Kg	0.0649U ng/Kg
SL-077-SA6-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0576 ng/Kg	0.0576U ng/Kg
SL-080-SA6-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPcDD	0.435 ng/Kg	0.435U ng/Kg
SL-080-SA6-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPcDF	0.0648 ng/Kg	0.0648U ng/Kg
SL-080-SA6-SB-3.5-4.5(RES)	1,2,3,4,7,8,9-HPcDF	0.0331 ng/Kg	0.0331U ng/Kg
SL-080-SA6-SB-3.5-4.5(RES)	1,2,3,4,7,8-HxCDD	0.0177 ng/Kg	0.0177U ng/Kg
SL-080-SA6-SB-3.5-4.5(RES)	1,2,3,4,7,8-HxCDF	0.0497 ng/Kg	0.0497U ng/Kg
SL-080-SA6-SB-3.5-4.5(RES)	1,2,3,6,7,8-HxCDD	0.0438 ng/Kg	0.0438U ng/Kg
SL-080-SA6-SB-3.5-4.5(RES)	1,2,3,6,7,8-HxCDF	0.0325 ng/Kg	0.0325U ng/Kg
SL-080-SA6-SB-3.5-4.5(RES)	1,2,3,7,8,9-HxCDD	0.0446 ng/Kg	0.0446U ng/Kg
SL-080-SA6-SB-3.5-4.5(RES)	1,2,3,7,8,9-HxCDF	0.0502 ng/Kg	0.0502U ng/Kg
SL-080-SA6-SB-3.5-4.5(RES)	1,2,3,7,8-PECDD	0.0156 ng/Kg	0.0156U ng/Kg
SL-080-SA6-SB-3.5-4.5(RES)	1,2,3,7,8-PECDF	0.0287 ng/Kg	0.0287U ng/Kg
SL-080-SA6-SB-3.5-4.5(RES)	2,3,4,6,7,8-HxCDF	0.0566 ng/Kg	0.0566U ng/Kg
SL-080-SA6-SB-3.5-4.5(RES)	2,3,4,7,8-PECDF	0.0625 ng/Kg	0.0625U ng/Kg
SL-080-SA6-SB-3.5-4.5(RES)	OCDD	1.08 ng/Kg	1.08U ng/Kg
SL-080-SA6-SB-3.5-4.5(RES)	OCDF	0.172 ng/Kg	0.172U ng/Kg
SL-089-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPcDF	0.189 ng/Kg	0.189U ng/Kg
SL-089-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0727 ng/Kg	0.0727U ng/Kg
SL-089-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.176 ng/Kg	0.176U ng/Kg
SL-089-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0618 ng/Kg	0.0618U ng/Kg
SL-089-SA6-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0484 ng/Kg	0.0484U ng/Kg
SL-089-SA6-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0209 ng/Kg	0.0209U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:33:16 AM

ADR version 1.4.0.111

Page 3 of 4

Method Blank Outlier Report

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-089-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.120 ng/Kg	0.120U ng/Kg
SL-089-SA6-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.111 ng/Kg	0.111U ng/Kg
SL-089-SA6-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0567 ng/Kg	0.0567U ng/Kg
SL-117-SA6-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDD	0.484 ng/Kg	0.484U ng/Kg
SL-117-SA6-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.136 ng/Kg	0.136U ng/Kg
SL-117-SA6-SB-2.0-3.0(RES)	1,2,3,4,7,8-HPCDF	0.0624 ng/Kg	0.0624U ng/Kg
SL-117-SA6-SB-2.0-3.0(RES)	1,2,3,4,7,8-HxCDD	0.0452 ng/Kg	0.0452U ng/Kg
SL-117-SA6-SB-2.0-3.0(RES)	1,2,3,4,7,8-HXCDF	0.0963 ng/Kg	0.0963U ng/Kg
SL-117-SA6-SB-2.0-3.0(RES)	1,2,3,6,7,8-HxCDD	0.0527 ng/Kg	0.0527U ng/Kg
SL-117-SA6-SB-2.0-3.0(RES)	1,2,3,6,7,8-HXCDF	0.0715 ng/Kg	0.0715U ng/Kg
SL-117-SA6-SB-2.0-3.0(RES)	1,2,3,7,8,9-HxCDD	0.0756 ng/Kg	0.0756U ng/Kg
SL-117-SA6-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDF	0.0586 ng/Kg	0.0586U ng/Kg
SL-117-SA6-SB-2.0-3.0(RES)	1,2,3,7,8-PECDD	0.0959 ng/Kg	0.0959U ng/Kg
SL-117-SA6-SB-2.0-3.0(RES)	1,2,3,7,8-PECDF	0.102 ng/Kg	0.102U ng/Kg
SL-117-SA6-SB-2.0-3.0(RES)	2,3,4,6,7,8-HXCDF	0.0610 ng/Kg	0.0610U ng/Kg
SL-117-SA6-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.131 ng/Kg	0.131U ng/Kg
SL-117-SA6-SB-2.0-3.0(RES)	2,3,7,8-TCDD	0.0404 ng/Kg	0.0404U ng/Kg
SL-117-SA6-SB-2.0-3.0(RES)	2,3,7,8-TCDF	0.0225 ng/Kg	0.0225U ng/Kg
SL-117-SA6-SB-2.0-3.0(RES)	OCDD	2.07 ng/Kg	2.07U ng/Kg
SL-117-SA6-SB-2.0-3.0(RES)	OCDF	0.349 ng/Kg	0.349U ng/Kg
SL-179-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.111 ng/Kg	0.111U ng/Kg
SL-179-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0800 ng/Kg	0.0800U ng/Kg
SL-179-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0747 ng/Kg	0.0747U ng/Kg
SL-179-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0642 ng/Kg	0.0642U ng/Kg
SL-179-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.145 ng/Kg	0.145U ng/Kg
SL-179-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0285 ng/Kg	0.0285U ng/Kg
SL-179-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0536 ng/Kg	0.0536U ng/Kg
SL-179-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0467 ng/Kg	0.0467U ng/Kg
SL-179-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0903 ng/Kg	0.0903U ng/Kg
SL-179-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0887 ng/Kg	0.0887U ng/Kg
SL-179-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0116 ng/Kg	0.0116U ng/Kg
SL-179-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0278 ng/Kg	0.0278U ng/Kg

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-009-SA6-SS-0.0-0.5MS SL-009-SA6-SS-0.0-0.5MSD (SL-009-SA6-SS-0.0-0.5)	OCDD	213	-17	40.00-135.00	22 (20.00)	OCDD	No Qual, >4x
SL-009-SA6-SS-0.0-0.5MS SL-009-SA6-SS-0.0-0.5MSD (SL-009-SA6-SS-0.0-0.5)	OCDF	180	-	40.00-135.00	36 (20.00)	OCDF	J(all detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-009-SA6-SS-0.0-0.5	DUP09-SA6-QC-072711			
MOISTURE	2.7	2.7	0		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-009-SA6-SS-0.0-0.5	DUP09-SA6-QC-072711			
1,2,3,4,6,7,8-HPCDD	162	174	7	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	30.9	30.8	0	50.00	
1,2,3,4,7,8,9-HPCDF	2.83	2.92	3	50.00	
1,2,3,4,7,8-HxCDD	1.58	1.50	5	50.00	
1,2,3,4,7,8-HxCDF	6.02	6.83	13	50.00	
1,2,3,6,7,8-HxCDD	6.58	6.42	2	50.00	
1,2,3,6,7,8-HxCDF	3.33	2.79	18	50.00	
1,2,3,7,8,9-HxCDD	3.42	3.63	6	50.00	
1,2,3,7,8,9-HxCDF	0.876	0.819	7	50.00	
1,2,3,7,8-PECDD	1.32	1.24	6	50.00	
2,3,4,6,7,8-HxCDF	3.16	2.84	11	50.00	
2,3,4,7,8-PECDF	5.95	5.96	0	50.00	
2,3,7,8-TCDF	4.53	4.11	10	50.00	
OCDD	1920	1790	7	50.00	
OCDF	80.5	86.7	7	50.00	
1,2,3,7,8-PECDF	10.3	1.90	138	50.00	J(all detects)
2,3,7,8-TCDD	6.67	1.32	134	50.00	

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:31:53 AM

ADR version 1.4.0.111

Page 1 of 1

Reporting Limit Outliers

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB-SA6-SB-072711	1,2,3,4,6,7,8-HPCDD	JB	2.95	9.80	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.567	9.80	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JBQ	0.369	9.80	PQL	pg/L	
	1,2,3,4,7,8-HxCDF	JBQ	0.225	9.80	PQL	pg/L	
	1,2,3,6,7,8-HxCDF	JBQ	0.334	9.80	PQL	pg/L	
	1,2,3,7,8,9-HxCDD	JBQ	0.679	9.80	PQL	pg/L	
	1,2,3,7,8,9-HxCDF	JB	0.463	9.80	PQL	pg/L	
	1,2,3,7,8-PECDF	JQ	0.377	9.80	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.611	9.80	PQL	pg/L	
	2,3,7,8-TCDF	JQ	0.571	1.96	PQL	pg/L	
	OCDD	JBQ	5.10	19.6	PQL	pg/L	
	OCDF	JB	0.922	19.6	PQL	pg/L	
EB-SA6-SS-072611	1,2,3,4,6,7,8-HPCDD	JBQ	3.71	9.94	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.69	9.94	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.449	9.94	PQL	pg/L	
	1,2,3,6,7,8-HxCDD	JB	0.484	9.94	PQL	pg/L	
	1,2,3,6,7,8-HxCDF	JBQ	0.392	9.94	PQL	pg/L	
	1,2,3,7,8,9-HxCDD	JBQ	0.576	9.94	PQL	pg/L	
	1,2,3,7,8,9-HxCDF	JBQ	1.09	9.94	PQL	pg/L	
	1,2,3,7,8-PECDF	JQ	1.65	9.94	PQL	pg/L	
	2,3,4,6,7,8-HxCDF	JBQ	0.368	9.94	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	1.95	9.94	PQL	pg/L	
	OCDD	JB	7.99	19.9	PQL	pg/L	
	OCDF	JBQ	1.26	19.9	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP08-SA6-QC-072611	1,2,3,4,7,8,9-HPCDF	JB	1.49	5.08	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.737	5.08	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.66	5.08	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.69	5.08	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.822	5.08	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.363	5.08	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	1.80	5.08	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0680	1.02	PQL	ng/Kg	
DUP09-SA6-QC-072711	1,2,3,4,7,8,9-HPCDF	JB	2.92	4.93	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.50	4.93	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	2.79	4.93	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.63	4.93	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.819	4.93	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.24	4.93	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.90	4.93	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	2.84	4.93	PQL	ng/Kg	
SL-009-SA6-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.83	5.08	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.58	5.08	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	3.33	5.08	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.42	5.08	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.876	5.08	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.32	5.08	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	3.16	5.08	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-017-SA6-SS-0.0-0.5	1,2,3,4,7,8-HxCDD	JB	4.75	5.00	PQL	ng/Kg	J (all detects)
	1,2,3,6,7,8-HxCDF	JB	4.18	5.00	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	1.17	5.00	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	2.18	5.00	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	2.36	5.00	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.326	1.00	PQL	ng/Kg	
SL-028-SA6-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.52	5.07	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.77	5.07	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.81	5.07	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.964	5.07	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.49	5.07	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	4.02	5.07	PQL	ng/Kg	
SL-069-SA6-SB-4.0-5.0	2,3,7,8-TCDD	JB	0.302	1.01	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.401	5.22	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.124	5.22	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0266	5.22	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.104	5.22	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.120	5.22	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0597	5.22	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.107	5.22	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0782	5.22	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0351	5.22	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0526	5.22	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0733	5.22	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.106	5.22	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0117	1.04	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0257	1.04	PQL	ng/Kg	
	OCDF	JB	0.991	10.4	PQL	ng/Kg	
SL-069-SA6-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	1.37	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.150	5.48	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0618	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0355	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.358	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0808	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0515	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.143	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.164	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0451	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.140	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0593	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.261	5.48	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0825	1.10	PQL	ng/Kg	
	OCDD	JB	10.5	11.0	PQL	ng/Kg	
	OCDF	JB	0.396	11.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-076-SA6-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JB	0.473	5.41	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0433	5.41	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0620	5.41	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0199	5.41	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0227	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0393	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0311	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0689	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0310	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0268	5.41	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0152	5.41	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0478	5.41	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0638	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0129	1.08	PQL	ng/Kg	
	OCDD	JB	0.974	10.8	PQL	ng/Kg	
	OCDF	JBQ	0.135	10.8	PQL	ng/Kg	
SL-077-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	1.83	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.326	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.102	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.174	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.518	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.125	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.220	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0880	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0581	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.655	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.204	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.282	5.38	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0208	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0649	1.08	PQL	ng/Kg	
	OCDF	JB	5.93	10.8	PQL	ng/Kg	
SL-077-SA6-SB-9.0-10.0	1,2,3,4,7,8,9-HPCDF	JB	1.48	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.238	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	2.19	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.931	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.944	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.421	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.806	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.231	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.926	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.13	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.24	5.73	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0576	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.481	1.15	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-080-SA6-SB-3.5-4.5	1,2,3,4,6,7,8-HPCDD	JB	0.435	5.19	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0648	5.19	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0331	5.19	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0177	5.19	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0497	5.19	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0438	5.19	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0325	5.19	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0446	5.19	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0502	5.19	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0156	5.19	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0287	5.19	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0566	5.19	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0625	5.19	PQL	ng/Kg	
	OCDD	JB	1.08	10.4	PQL	ng/Kg	
	OCDF	JB	0.172	10.4	PQL	ng/Kg	
SL-089-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	1.27	5.40	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.189	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0727	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.212	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.370	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.119	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.176	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0618	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0484	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.497	5.40	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.151	5.40	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.429	5.40	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0209	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.205	1.08	PQL	ng/Kg	
	OCDF	JB	2.80	10.8	PQL	ng/Kg	
SL-089-SA6-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDF	JB	4.44	5.31	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.473	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.346	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.396	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.26	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.216	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.570	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.120	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.385	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.111	5.31	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.323	5.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.357	5.31	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0567	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.204	1.06	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX120

Laboratory: LL

EDD Filename: DX120_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-117-SA6-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JB	0.484	5.14	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.136	5.14	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0624	5.14	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0452	5.14	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0963	5.14	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0527	5.14	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0715	5.14	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0756	5.14	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0586	5.14	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0959	5.14	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.102	5.14	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0610	5.14	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.131	5.14	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0404	1.03	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0225	1.03	PQL	ng/Kg	
	OCDD	JB	2.07	10.3	PQL	ng/Kg	
	OCDF	JB	0.349	10.3	PQL	ng/Kg	
SL-179-SA5DN-SB-4.0-5.0	1,2,3,4,7,8,9-HPCDF	JB	2.33	5.16	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.90	5.16	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.982	5.16	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.11	5.16	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.11	5.16	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.328	5.16	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.713	5.16	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.638	5.16	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.80	5.16	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.626	5.16	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0859	1.03	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.126	1.03	PQL	ng/Kg	
SL-179-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDF	JB	0.852	5.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.111	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0800	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0747	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.311	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0642	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.145	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0285	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0536	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0467	5.52	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0903	5.52	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0887	5.52	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0116	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0278	1.10	PQL	ng/Kg	
	OCDF	JB	1.98	11.0	PQL	ng/Kg	
SL-311-SA6-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	3.49	5.07	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.63	5.07	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.48	5.07	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.06	5.07	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.151	1.01	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX121

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
28-Jul-2011	SL-068-SA6-SB-4.0-5.0	6359587	N	METHOD	1613B	III
28-Jul-2011	SL-068-SA6-SB-19.0-20.0	6359588	N	METHOD	1613B	III
28-Jul-2011	SL-183-SA5DN-SB-4.0-5.0	6359582	N	METHOD	1613B	III
28-Jul-2011	SL-183-SA5DN-SB-4.0-5.0MS	6359583	MS	METHOD	1613B	III
28-Jul-2011	DUP21-SA5DN-QC-072811	6359586	FD	METHOD	1613B	III
28-Jul-2011	SL-070-SA6-SB-4.0-5.0	6359589	N	METHOD	1613B	III
28-Jul-2011	SL-183-SA5DN-SB-9.0-10.0	6359585	N	METHOD	1613B	III
28-Jul-2011	SL-090-SA6-SB-3.0-4.0	6359591	N	METHOD	1613B	III
28-Jul-2011	SL-070-SA6-SB-19.0-20.0	6359590	N	METHOD	1613B	III
28-Jul-2011	SL-172-SA5DN-SB-4.0-5.0	6359580	N	METHOD	1613B	III
28-Jul-2011	SL-172-SA5DN-SB-9.0-10.0	6359581	N	METHOD	1613B	III
29-Jul-2011	SL-180-SA5DN-SB-4.0-5.0	6360515	N	METHOD	1613B	III
29-Jul-2011	SL-180-SA5DN-SB-9.0-10.0	6360516	N	METHOD	1613B	III
29-Jul-2011	SL-123-SA6-SB-4.0-5.0	6360520	N	METHOD	1613B	III
29-Jul-2011	SL-123-SA6-SB-7.0-8.0	6360521	N	METHOD	1613B	III
29-Jul-2011	SL-122-SA6-SB-0.0-0.5	6360519	N	METHOD	1613B	III
29-Jul-2011	SL-174-SA5DN-SB-4.0-5.0	6360517	N	METHOD	1613B	III
29-Jul-2011	SL-174-SA5DN-SB-9.0-10.0	6360518	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX121

Laboratory: LL

EDD Filename: DX121_v1.

eQAPP Name: CDM_SSFL_110509

Method Category:	GENCHEM
Method:	1613B
Matrix:	SO

Sample ID: DUP21-SA5DN-QC-072811

Collected: 7/28/2011 10:19:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.12	JB	0.0169	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.177	JB	0.00765	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0442	JB	0.0185	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0398	JQ	0.0134	MDL	5.42	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HxCDF	0.0536	JB	0.0112	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0870	JBQ	0.0137	MDL	5.42	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HxCDF	0.0378	JBQ	0.00831	MDL	5.42	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDD	0.0919	JB	0.0132	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0923	JBQ	0.0133	MDL	5.42	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.0105	U	0.0105	MDL	5.42	PQL	ng/Kg	UJ	FD
1,2,3,7,8-PECDF	0.0467	JBQ	0.00721	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0484	JB	0.00931	MDL	5.42	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.0711	JBQ	0.00798	MDL	5.42	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0235	JQ	0.0121	MDL	1.08	PQL	ng/Kg	J	Z, FD
OCDD	8.41	JB	0.0130	MDL	10.8	PQL	ng/Kg	J	Z, FD
OCDF	0.432	JB	0.0222	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-068-SA6-SB-19.0-20.0

Collected: 7/28/2011 7:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.940	JB	0.0313	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.621	J	0.0322	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.666	JB	0.0266	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.02	JB	0.0330	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.502	JB	0.0218	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.767	JB	0.0318	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.263	JB	0.0224	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.321	JB	0.0236	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.513	JB	0.0172	MDL	5.63	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.635	JB	0.0224	MDL	5.63	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.423	JB	0.0207	MDL	5.63	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.148	J	0.0131	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.338	J	0.0274	MDL	1.13	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:46:59 AM

ADR version 1.4.0.111

Page 1 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX121

Laboratory: LL

EDD Filename: DX121_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-068-SA6-SB-4.0-5.0

Collected: 7/28/2011 7:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.35	JB	0.0122	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.227	JB	0.0185	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.142	J	0.0261	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.257	JB	0.0224	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.453	JB	0.0255	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.158	JB	0.0188	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.203	JB	0.0252	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0896	JB	0.0197	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.146	JB	0.0145	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.204	JB	0.0161	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.188	JB	0.0190	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.183	JBQ	0.0163	MDL	5.34	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0776	J	0.0118	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0796	JQ	0.0204	MDL	1.07	PQL	ng/Kg	J	Z
OCDF	2.96	JB	0.0182	MDL	10.7	PQL	ng/Kg	J	Z

Sample ID: SL-070-SA6-SB-19.0-20.0

Collected: 7/28/2011 11:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.94	JB	0.0292	MDL	5.93	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.557	JB	0.0399	MDL	5.93	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.343	J	0.0361	MDL	5.93	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.408	JB	0.0251	MDL	5.93	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.43	JB	0.0373	MDL	5.93	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.233	JB	0.0227	MDL	5.93	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.679	JB	0.0349	MDL	5.93	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.103	JB	0.0274	MDL	5.93	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.182	JB	0.0276	MDL	5.93	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.705	JB	0.0224	MDL	5.93	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.354	JB	0.0239	MDL	5.93	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.203	JB	0.0252	MDL	5.93	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0859	JQ	0.0136	MDL	1.19	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.270	JQ	0.0339	MDL	1.19	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:47:00 AM

ADR version 1.4.0.111

Page 2 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX121

Laboratory: LL

EDD Filename: DX121_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-070-SA6-SB-4.0-5.0

Collected: 7/28/2011 10:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.696	JB	0.0111	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.163	JB	0.0251	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.121	J	0.0180	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.224	JB	0.0213	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.234	JB	0.0181	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.169	JB	0.0150	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.177	JB	0.0177	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.149	JB	0.0185	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.249	JBQ	0.0136	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.361	JB	0.00973	MDL	5.42	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.149	JB	0.0161	MDL	5.42	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.258	JB	0.0120	MDL	5.42	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0846	J	0.0120	MDL	1.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.110	J	0.0180	MDL	1.08	PQL	ng/Kg	J	Z
OCDF	1.73	JB	0.0206	MDL	10.8	PQL	ng/Kg	J	Z

Sample ID: SL-090-SA6-SB-3.0-4.0

Collected: 7/28/2011 11:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.363	JB	0.0122	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0582	JBQ	0.00587	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0362	JBQ	0.0188	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0109	JQ	0.00842	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0347	JB	0.00676	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0293	JBQ	0.00875	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0157	JBQ	0.00454	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0310	JB	0.00864	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0423	JBQ	0.00853	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0172	JBQ	0.00975	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0243	JBQ	0.00698	MDL	5.41	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0215	JB	0.00554	MDL	5.41	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0374	JBQ	0.00864	MDL	5.41	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0222	J	0.0112	MDL	1.08	PQL	ng/Kg	J	Z
OCDD	1.12	JB	0.0106	MDL	10.8	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:47:00 AM

ADR version 1.4.0.111

Page 3 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX121

Laboratory: LL

EDD Filename: DX121_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-090-SA6-SB-3.0-4.0

Collected: 7/28/2011 11:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	0.243	JBQ	0.0279	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-122-SA6-SB-0.0-0.5

Collected: 7/29/2011 2:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.57	JB	0.0248	MDL	4.91	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.234	J	0.0232	MDL	4.91	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	4.33	JB	0.0402	MDL	4.91	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.650	JB	0.0239	MDL	4.91	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.48	JB	0.0335	MDL	4.91	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.403	JB	0.0214	MDL	4.91	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.838	JB	0.0420	MDL	4.91	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.188	JB	0.0252	MDL	4.91	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.37	JB	0.0476	MDL	4.91	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.38	JB	0.0378	MDL	4.91	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.60	JB	0.0545	MDL	4.91	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0680	J	0.0112	MDL	0.983	PQL	ng/Kg	J	Z

Sample ID: SL-123-SA6-SB-4.0-5.0

Collected: 7/29/2011 9:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	3.86	JB	0.0388	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	3.30	J	0.0377	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.22	JB	0.0403	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.30	JB	0.0336	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.31	JB	0.0360	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.521	JB	0.0384	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.653	JB	0.0350	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.459	JB	0.0253	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.77	JB	0.0357	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.487	JB	0.0278	MDL	5.31	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.323	J	0.0128	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.277	J	0.0607	MDL	1.06	PQL	ng/Kg	J	Z
OCDD	6810	EB	0.0556	MDL	10.6	PQL	ng/Kg	J	*XI

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:47:00 AM

ADR version 1.4.0.111

Page 4 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX121

Laboratory: LL

EDD Filename: DX121_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-123-SA6-SB-7.0-8.0

Collected: 7/29/2011 9:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.36	JB	0.0323	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.55	J	0.0336	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	2.09	JB	0.0388	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	1.13	JB	0.0362	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.68	JB	0.0341	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.541	JB	0.0358	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.470	JB	0.0372	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.748	JB	0.0295	MDL	5.44	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	1.54	JB	0.0326	MDL	5.44	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.29	JB	0.0289	MDL	5.44	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.167	J	0.0124	MDL	1.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	1.02	J	0.0487	MDL	1.09	PQL	ng/Kg	J	Z

Sample ID: SL-172-SA5DN-SB-4.0-5.0

Collected: 7/28/2011 12:04:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.756	JB	0.0116	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0873	JBQ	0.0243	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.158	J	0.0402	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.0874	JB	0.0265	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.413	JB	0.0420	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0721	JBQ	0.0223	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.467	JB	0.0386	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.320	JB	0.0311	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.119	JB	0.0203	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.190	JB	0.0163	MDL	5.53	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0825	JB	0.0255	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.112	JBQ	0.0195	MDL	5.53	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0186	JQ	0.0165	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	1.88	JB	0.0251	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-172-SA5DN-SB-9.0-10.0

Collected: 7/28/2011 12:09:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	5.67	JB	0.0270	MDL	5.85	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:47:00 AM

ADR version 1.4.0.111

Page 5 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX121

Laboratory: LL

EDD Filename: DX121_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-172-SA5DN-SB-9.0-10.0

Collected: 7/28/2011 12:09:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.732	JB	0.00993	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0718	JBQ	0.0202	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0893	J	0.0277	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0767	JBQ	0.0173	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.224	JB	0.0271	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0417	JB	0.0142	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.201	JB	0.0264	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0562	JB	0.0228	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0700	JBQ	0.0175	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0625	JBQ	0.0123	MDL	5.85	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0506	JB	0.0158	MDL	5.85	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0553	JBQ	0.0139	MDL	5.85	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0220	JQ	0.0169	MDL	1.17	PQL	ng/Kg	J	Z
OCDF	1.98	JB	0.0201	MDL	11.7	PQL	ng/Kg	J	Z

Sample ID: SL-174-SA5DN-SB-4.0-5.0

Collected: 7/29/2011 2:49:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	5.57	JB	0.0246	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.873	JB	0.00804	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.114	JB	0.0212	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0561	J	0.0217	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0892	JBQ	0.0177	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.230	JB	0.0219	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0649	JBQ	0.0132	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.127	JB	0.0204	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0448	JB	0.0192	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0511	JBQ	0.0162	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0582	JB	0.00851	MDL	5.65	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0793	JBQ	0.0159	MDL	5.65	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0605	JBQ	0.0112	MDL	5.65	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0361	J	0.0129	MDL	1.13	PQL	ng/Kg	J	Z
OCDF	1.93	JB	0.0216	MDL	11.3	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:47:00 AM

ADR version 1.4.0.111

Page 6 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX121

Laboratory: LL

EDD Filename: DX121_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-174-SA5DN-SB-9.0-10.0

Collected: 7/29/2011 2:51:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.989	JB	0.00575	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.142	JB	0.0147	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0715	JQ	0.0228	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.101	JB	0.0158	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.296	JB	0.0231	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0851	JB	0.0125	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.144	JB	0.0215	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0490	JB	0.0180	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0634	JB	0.0145	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0845	JBQ	0.00875	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.103	JB	0.0145	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0924	JB	0.00990	MDL	5.68	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0512	JQ	0.0106	MDL	1.14	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0336	JQ	0.0139	MDL	1.14	PQL	ng/Kg	J	Z
OCDF	2.06	JB	0.0168	MDL	11.4	PQL	ng/Kg	J	Z

Sample ID: SL-180-SA5DN-SB-4.0-5.0

Collected: 7/29/2011 9:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.728	JB	0.0128	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.109	JB	0.00627	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0568	JBQ	0.0187	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0116	JQ	0.0107	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0267	JB	0.00810	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0392	JBQ	0.0109	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0165	JBQ	0.00570	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0363	JBQ	0.0104	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0335	JBQ	0.0104	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0129	JB	0.0107	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0282	JBQ	0.00650	MDL	5.59	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0205	JBQ	0.00673	MDL	5.59	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0404	JB	0.00775	MDL	5.59	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0169	JQ	0.0111	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0126	J	0.0121	MDL	1.12	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:47:00 AM

ADR version 1.4.0.111

Page 7 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX121

Laboratory: LL

EDD Filename: DX121_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-180-SA5DN-SB-4.0-5.0

Collected: 7/29/2011 9:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDD	4.51	JB	0.0122	MDL	11.2	PQL	ng/Kg	J	Z
OCDF	0.271	JBQ	0.0273	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-180-SA5DN-SB-9.0-10.0

Collected: 7/29/2011 9:12:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.57	JB	0.0152	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.293	JB	0.00563	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0751	JB	0.0171	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0402	J	0.0165	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0292	JB	0.0103	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.124	JB	0.0168	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0321	JB	0.00766	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0977	JB	0.0162	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0311	JBQ	0.0134	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0413	JBQ	0.0109	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0257	JBQ	0.00599	MDL	5.87	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0407	JB	0.00910	MDL	5.87	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0428	JBQ	0.00778	MDL	5.87	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0157	J	0.0109	MDL	1.17	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0171	JQ	0.0125	MDL	1.17	PQL	ng/Kg	J	Z
OCDF	0.623	JB	0.0284	MDL	11.7	PQL	ng/Kg	U	B

Sample ID: SL-183-SA5DN-SB-4.0-5.0

Collected: 7/28/2011 10:11:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.800	JB	0.0184	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.113	JBQ	0.00617	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0361	JBQ	0.0175	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0161	J	0.0130	MDL	5.45	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HXCDF	0.0386	JB	0.00999	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0411	JBQ	0.0135	MDL	5.45	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HXCDF	0.0120	JBQ	0.00752	MDL	5.45	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDD	0.0713	JBQ	0.0132	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0527	JBQ	0.0112	MDL	5.45	PQL	ng/Kg	UJ	B, FD

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:47:00 AM

ADR version 1.4.0.111

Page 8 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX121

Laboratory: LL

EDD Filename: DX121_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-183-SA5DN-SB-4.0-5.0

Collected: 7/28/2011 10:11:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDD	0.0194	JBQ	0.0145	MDL	5.45	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.0458	JBQ	0.00808	MDL	5.45	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0277	JBQ	0.00853	MDL	5.45	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.0562	JBQ	0.00965	MDL	5.45	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0159	U	0.0159	MDL	1.09	PQL	ng/Kg	UJ	FD
OCDD	4.73	JB	0.0176	MDL	10.9	PQL	ng/Kg	J	Z, FD
OCDF	0.309	JB	0.0248	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-183-SA5DN-SB-9.0-10.0

Collected: 7/28/2011 10:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.554	JB	0.0177	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.109	JB	0.00803	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0807	JB	0.0157	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0677	J	0.0143	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0924	JBQ	0.0126	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0725	JBQ	0.0147	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0735	JBQ	0.00894	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.0723	JBQ	0.0128	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0947	JB	0.0119	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0518	JBQ	0.0127	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0652	JBQ	0.00654	MDL	5.70	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0702	JB	0.00849	MDL	5.70	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0840	JB	0.00849	MDL	5.70	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0112	JQ	0.0111	MDL	1.14	PQL	ng/Kg	J	Z
OCDD	2.78	JB	0.0173	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.310	JB	0.0237	MDL	11.4	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:47:00 AM

ADR version 1.4.0.111

Page 9 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX121

Laboratory: LL

EDD Filename: DX121_v1.

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Laboratory Triplicate Precision
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*XI	Compound Quantitation and CRQL
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:47:00 AM

ADR version 1.4.0.111

Page 10 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX121

Laboratory: LL

EDD Filename: DX121_v1.

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation
Q	Matrix Spike Upper Rejection

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:47:00 AM

ADR version 1.4.0.111

Page 11 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX121

Laboratory: LL

EDD Filename: DX121_v1.

eQAPP Name: CDM_SSFL_110509

R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:47:00 AM

ADR version 1.4.0.111

Page 12 of 12

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX121

Method Blank Outlier Report

Lab Reporting Batch ID: DX121

Laboratory: LL

EDD Filename: DX121_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK2230B371804	8/15/2011 6:04:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HXCDF 1,2,3,6,7,8-HXCDD 1,2,3,6,7,8-HXCDF 1,2,3,7,8,9-HXCDD 1,2,3,7,8,9-HXCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HXCDF 2,3,4,7,8-PECDF OCDD OCDF	0.353 ng/Kg 0.0526 ng/Kg 0.0314 ng/Kg 0.0198 ng/Kg 0.0237 ng/Kg 0.0114 ng/Kg 0.0270 ng/Kg 0.0321 ng/Kg 0.0239 ng/Kg 0.0220 ng/Kg 0.0231 ng/Kg 0.0422 ng/Kg 0.751 ng/Kg 0.166 ng/Kg	DUP21-SA5DN-QC-072811 SL-068-SA6-SB-19.0-20.0 SL-068-SA6-SB-4.0-5.0 SL-070-SA6-SB-19.0-20.0 SL-070-SA6-SB-4.0-5.0 SL-090-SA6-SB-3.0-4.0 SL-122-SA6-SB-0.0-0.5 SL-123-SA6-SB-4.0-5.0 SL-123-SA6-SB-7.0-8.0 SL-172-SA5DN-SB-4.0-5.0 SL-172-SA5DN-SB-9.0-10.0 SL-174-SA5DN-SB-4.0-5.0 SL-174-SA5DN-SB-9.0-10.0 SL-180-SA5DN-SB-4.0-5.0 SL-180-SA5DN-SB-9.0-10.0 SL-183-SA5DN-SB-4.0-5.0 SL-183-SA5DN-SB-9.0-10.0

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP21-SA5DN-QC-072811(RES)	1,2,3,4,6,7,8-HPCDD	1.12 ng/Kg	1.12U ng/Kg
DUP21-SA5DN-QC-072811(RES)	1,2,3,4,6,7,8-HPCDF	0.177 ng/Kg	0.177U ng/Kg
DUP21-SA5DN-QC-072811(RES)	1,2,3,4,7,8,9-HPCDF	0.0442 ng/Kg	0.0442U ng/Kg
DUP21-SA5DN-QC-072811(RES)	1,2,3,4,7,8-HXCDF	0.0536 ng/Kg	0.0536U ng/Kg
DUP21-SA5DN-QC-072811(RES)	1,2,3,6,7,8-HXCDD	0.0870 ng/Kg	0.0870U ng/Kg
DUP21-SA5DN-QC-072811(RES)	1,2,3,6,7,8-HXCDF	0.0378 ng/Kg	0.0378U ng/Kg
DUP21-SA5DN-QC-072811(RES)	1,2,3,7,8,9-HXCDD	0.0919 ng/Kg	0.0919U ng/Kg
DUP21-SA5DN-QC-072811(RES)	1,2,3,7,8,9-HXCDF	0.0923 ng/Kg	0.0923U ng/Kg
DUP21-SA5DN-QC-072811(RES)	1,2,3,7,8-PECDF	0.0467 ng/Kg	0.0467U ng/Kg
DUP21-SA5DN-QC-072811(RES)	2,3,4,6,7,8-HXCDF	0.0484 ng/Kg	0.0484U ng/Kg
DUP21-SA5DN-QC-072811(RES)	2,3,4,7,8-PECDF	0.0711 ng/Kg	0.0711U ng/Kg
DUP21-SA5DN-QC-072811(RES)	OCDF	0.432 ng/Kg	0.432U ng/Kg
SL-068-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0896 ng/Kg	0.0896U ng/Kg
SL-068-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.183 ng/Kg	0.183U ng/Kg
SL-070-SA6-SB-19.0-20.0(RES)	1,2,3,7,8,9-HXCDF	0.103 ng/Kg	0.103U ng/Kg
SL-070-SA6-SB-19.0-20.0(RES)	2,3,4,7,8-PECDF	0.203 ng/Kg	0.203U ng/Kg
SL-070-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.149 ng/Kg	0.149U ng/Kg
SL-090-SA6-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.363 ng/Kg	0.363U ng/Kg
SL-090-SA6-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0582 ng/Kg	0.0582U ng/Kg
SL-090-SA6-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0362 ng/Kg	0.0362U ng/Kg
SL-090-SA6-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.0347 ng/Kg	0.0347U ng/Kg
SL-090-SA6-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDD	0.0293 ng/Kg	0.0293U ng/Kg
SL-090-SA6-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0157 ng/Kg	0.0157U ng/Kg
SL-090-SA6-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDD	0.0310 ng/Kg	0.0310U ng/Kg
SL-090-SA6-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.0423 ng/Kg	0.0423U ng/Kg
SL-090-SA6-SB-3.0-4.0(RES)	1,2,3,7,8-PECDD	0.0172 ng/Kg	0.0172U ng/Kg
SL-090-SA6-SB-3.0-4.0(RES)	1,2,3,7,8-PECDF	0.0243 ng/Kg	0.0243U ng/Kg
SL-090-SA6-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0215 ng/Kg	0.0215U ng/Kg
SL-090-SA6-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.0374 ng/Kg	0.0374U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:45:26 AM

ADR version 1.4.0.111

Page 1 of 3

Method Blank Outlier Report

Lab Reporting Batch ID: DX121

Laboratory: LL

EDD Filename: DX121_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-090-SA6-SB-3.0-4.0(RES)	OCDD	1.12 ng/Kg	1.12U ng/Kg
SL-090-SA6-SB-3.0-4.0(RES)	OCDF	0.243 ng/Kg	0.243U ng/Kg
SL-172-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0873 ng/Kg	0.0873U ng/Kg
SL-172-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0874 ng/Kg	0.0874U ng/Kg
SL-172-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.119 ng/Kg	0.119U ng/Kg
SL-172-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0825 ng/Kg	0.0825U ng/Kg
SL-172-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.112 ng/Kg	0.112U ng/Kg
SL-172-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0718 ng/Kg	0.0718U ng/Kg
SL-172-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0767 ng/Kg	0.0767U ng/Kg
SL-172-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0417 ng/Kg	0.0417U ng/Kg
SL-172-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0562 ng/Kg	0.0562U ng/Kg
SL-172-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0700 ng/Kg	0.0700U ng/Kg
SL-172-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0625 ng/Kg	0.0625U ng/Kg
SL-172-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0506 ng/Kg	0.0506U ng/Kg
SL-172-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0553 ng/Kg	0.0553U ng/Kg
SL-174-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.114 ng/Kg	0.114U ng/Kg
SL-174-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0892 ng/Kg	0.0892U ng/Kg
SL-174-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.127 ng/Kg	0.127U ng/Kg
SL-174-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0448 ng/Kg	0.0448U ng/Kg
SL-174-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0511 ng/Kg	0.0511U ng/Kg
SL-174-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0582 ng/Kg	0.0582U ng/Kg
SL-174-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0793 ng/Kg	0.0793U ng/Kg
SL-174-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0605 ng/Kg	0.0605U ng/Kg
SL-174-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.142 ng/Kg	0.142U ng/Kg
SL-174-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0490 ng/Kg	0.0490U ng/Kg
SL-174-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0634 ng/Kg	0.0634U ng/Kg
SL-174-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0845 ng/Kg	0.0845U ng/Kg
SL-174-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.103 ng/Kg	0.103U ng/Kg
SL-174-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0924 ng/Kg	0.0924U ng/Kg
SL-180-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.728 ng/Kg	0.728U ng/Kg
SL-180-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.109 ng/Kg	0.109U ng/Kg
SL-180-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0568 ng/Kg	0.0568U ng/Kg
SL-180-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0267 ng/Kg	0.0267U ng/Kg
SL-180-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0392 ng/Kg	0.0392U ng/Kg
SL-180-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0165 ng/Kg	0.0165U ng/Kg
SL-180-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0363 ng/Kg	0.0363U ng/Kg
SL-180-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0335 ng/Kg	0.0335U ng/Kg
SL-180-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0129 ng/Kg	0.0129U ng/Kg
SL-180-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0282 ng/Kg	0.0282U ng/Kg
SL-180-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0205 ng/Kg	0.0205U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:45:26 AM

ADR version 1.4.0.111

Page 2 of 3

Method Blank Outlier Report

Lab Reporting Batch ID: DX121

Laboratory: LL

EDD Filename: DX121_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-180-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0404 ng/Kg	0.0404U ng/Kg
SL-180-SA5DN-SB-4.0-5.0(RES)	OCDF	0.271 ng/Kg	0.271U ng/Kg
SL-180-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0751 ng/Kg	0.0751U ng/Kg
SL-180-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0292 ng/Kg	0.0292U ng/Kg
SL-180-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0321 ng/Kg	0.0321U ng/Kg
SL-180-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0977 ng/Kg	0.0977U ng/Kg
SL-180-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0311 ng/Kg	0.0311U ng/Kg
SL-180-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0413 ng/Kg	0.0413U ng/Kg
SL-180-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0257 ng/Kg	0.0257U ng/Kg
SL-180-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0407 ng/Kg	0.0407U ng/Kg
SL-180-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0428 ng/Kg	0.0428U ng/Kg
SL-180-SA5DN-SB-9.0-10.0(RES)	OCDF	0.623 ng/Kg	0.623U ng/Kg
SL-183-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.800 ng/Kg	0.800U ng/Kg
SL-183-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.113 ng/Kg	0.113U ng/Kg
SL-183-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0361 ng/Kg	0.0361U ng/Kg
SL-183-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0386 ng/Kg	0.0386U ng/Kg
SL-183-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0411 ng/Kg	0.0411U ng/Kg
SL-183-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0120 ng/Kg	0.0120U ng/Kg
SL-183-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0713 ng/Kg	0.0713U ng/Kg
SL-183-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0527 ng/Kg	0.0527U ng/Kg
SL-183-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0194 ng/Kg	0.0194U ng/Kg
SL-183-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0458 ng/Kg	0.0458U ng/Kg
SL-183-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0277 ng/Kg	0.0277U ng/Kg
SL-183-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0562 ng/Kg	0.0562U ng/Kg
SL-183-SA5DN-SB-4.0-5.0(RES)	OCDF	0.309 ng/Kg	0.309U ng/Kg
SL-183-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.554 ng/Kg	0.554U ng/Kg
SL-183-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.109 ng/Kg	0.109U ng/Kg
SL-183-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0807 ng/Kg	0.0807U ng/Kg
SL-183-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0924 ng/Kg	0.0924U ng/Kg
SL-183-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0725 ng/Kg	0.0725U ng/Kg
SL-183-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0723 ng/Kg	0.0723U ng/Kg
SL-183-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0947 ng/Kg	0.0947U ng/Kg
SL-183-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0518 ng/Kg	0.0518U ng/Kg
SL-183-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0652 ng/Kg	0.0652U ng/Kg
SL-183-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0702 ng/Kg	0.0702U ng/Kg
SL-183-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0840 ng/Kg	0.0840U ng/Kg
SL-183-SA5DN-SB-9.0-10.0(RES)	OCDD	2.78 ng/Kg	2.78U ng/Kg
SL-183-SA5DN-SB-9.0-10.0(RES)	OCDF	0.310 ng/Kg	0.310U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 11:45:26 AM

ADR version 1.4.0.111

Page 3 of 3

Field Duplicate RPD Report

Lab Reporting Batch ID: DX121

Laboratory: LL

EDD Filename: DX121_v1.

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-183-SA5DN-SB-4.0-5.0	DUP21-SA5DN-QC-072811			
MOISTURE	10.9	9.8	11		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-183-SA5DN-SB-4.0-5.0	DUP21-SA5DN-QC-072811			
1,2,3,4,6,7,8-HPCDD	0.800	1.12	33	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	0.113	0.177	44	50.00	
1,2,3,4,7,8,9-HPCDF	0.0361	0.0442	20	50.00	
1,2,3,4,7,8-HXCDF	0.0386	0.0536	33	50.00	
1,2,3,7,8,9-HXCDD	0.0713	0.0919	25	50.00	
1,2,3,7,8-PECDF	0.0458	0.0467	2	50.00	
2,3,4,7,8-PECDF	0.0562	0.0711	23	50.00	
OCDF	0.309	0.432	33	50.00	
1,2,3,4,7,8-HxCDD	0.0161	0.0398	85	50.00	J(all detects) UJ(all non-detects)
1,2,3,6,7,8-HxCDD	0.0411	0.0870	72	50.00	
1,2,3,6,7,8-HXCDF	0.0120	0.0378	104	50.00	
1,2,3,7,8,9-HXCDF	0.0527	0.0923	55	50.00	
1,2,3,7,8-PECDD	0.0194	5.42 U	200	50.00	
2,3,4,6,7,8-HXCDF	0.0277	0.0484	54	50.00	
2,3,7,8-TCDF	1.09 U	0.0235	200	50.00	
OCDD	4.73	8.41	56	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX121

Laboratory: LL

EDD Filename: DX121_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP21-SA5DN-QC-072811	1,2,3,4,6,7,8-HPCDD	JB	1.12	5.42	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.177	5.42	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0442	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0398	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0536	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0870	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0378	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0919	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0923	5.42	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JBQ	0.0467	5.42	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0484	5.42	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JBQ	0.0711	5.42	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0235	1.08	PQL	ng/Kg	
	OCDD	JB	8.41	10.8	PQL	ng/Kg	
	OCDF	JB	0.432	10.8	PQL	ng/Kg	
SL-068-SA6-SB-19.0-20.0	1,2,3,4,7,8,9-HPCDF	JB	0.940	5.63	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.621	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.666	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.02	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.502	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.767	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.263	5.63	PQL	ng/Kg	
	1,2,3,7,8-PCDD	JB	0.321	5.63	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JB	0.513	5.63	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.635	5.63	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JB	0.423	5.63	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.148	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.338	1.13	PQL	ng/Kg	
SL-068-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	1.35	5.34	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.227	5.34	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.142	5.34	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.257	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.453	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.158	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.203	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0896	5.34	PQL	ng/Kg	
	1,2,3,7,8-PCDD	JB	0.146	5.34	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JB	0.204	5.34	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.188	5.34	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JBQ	0.183	5.34	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0776	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0796	1.07	PQL	ng/Kg	
	OCDF	JB	2.96	10.7	PQL	ng/Kg	
SL-070-SA6-SB-19.0-20.0	1,2,3,4,6,7,8-HPCDF	JB	4.94	5.93	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.557	5.93	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.343	5.93	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.408	5.93	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.43	5.93	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.233	5.93	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.679	5.93	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.103	5.93	PQL	ng/Kg	
	1,2,3,7,8-PCDD	JB	0.182	5.93	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JB	0.705	5.93	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.354	5.93	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JB	0.203	5.93	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0859	1.19	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.270	1.19	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX121

Laboratory: LL

EDD Filename: DX121_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-070-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	0.696	5.42	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.163	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.121	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.224	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.234	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.169	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.177	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.149	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.249	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.361	5.42	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.149	5.42	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.258	5.42	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0846	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.110	1.08	PQL	ng/Kg	
	OCDF	JB	1.73	10.8	PQL	ng/Kg	
SL-090-SA6-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JB	0.363	5.41	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0582	5.41	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0362	5.41	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0109	5.41	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0347	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0293	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0157	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0310	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0423	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0172	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0243	5.41	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0215	5.41	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0374	5.41	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0222	1.08	PQL	ng/Kg	
	OCDD	JB	1.12	10.8	PQL	ng/Kg	
	OCDF	JBQ	0.243	10.8	PQL	ng/Kg	
SL-122-SA6-SB-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.57	4.91	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.234	4.91	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	4.33	4.91	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.650	4.91	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.48	4.91	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.403	4.91	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.838	4.91	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.188	4.91	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.37	4.91	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.38	4.91	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.60	4.91	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0680	0.983	PQL	ng/Kg	
SL-123-SA6-SB-4.0-5.0	1,2,3,4,7,8,9-HPCDF	JB	3.86	5.31	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	3.30	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.22	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.30	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.31	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.521	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.653	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.459	5.31	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.77	5.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.487	5.31	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.323	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.277	1.06	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX121

Laboratory: LL

EDD Filename: DX121_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-123-SA6-SB-7.0-8.0	1,2,3,4,7,8,9-HPCDF	JB	2.36	5.44	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	1.55	5.44	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	2.09	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.13	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.68	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.541	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.470	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.748	5.44	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.54	5.44	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.29	5.44	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.167	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	J	1.02	1.09	PQL	ng/Kg	
SL-172-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	0.756	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0873	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.158	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0874	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.413	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0721	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.467	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.320	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.119	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.190	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0825	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.112	5.53	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0186	1.11	PQL	ng/Kg	
	OCDF	JB	1.88	11.1	PQL	ng/Kg	
SL-172-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	5.67	5.85	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.732	5.85	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0718	5.85	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0893	5.85	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0767	5.85	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.224	5.85	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0417	5.85	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.201	5.85	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0562	5.85	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0700	5.85	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0625	5.85	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0506	5.85	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0553	5.85	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0220	1.17	PQL	ng/Kg	
	OCDF	JB	1.98	11.7	PQL	ng/Kg	
SL-174-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	5.57	5.65	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.873	5.65	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.114	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0561	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0892	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.230	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0649	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.127	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0448	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0511	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0582	5.65	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0793	5.65	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0605	5.65	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0361	1.13	PQL	ng/Kg	
	OCDF	JB	1.93	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX121

Laboratory: LL

EDD Filename: DX121_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-174-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDF	JB	0.989	5.68	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.142	5.68	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0715	5.68	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.101	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.296	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0851	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.144	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0490	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0634	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0845	5.68	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.103	5.68	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0924	5.68	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0512	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0336	1.14	PQL	ng/Kg	
	OCDF	JB	2.06	11.4	PQL	ng/Kg	
SL-180-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.728	5.59	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.109	5.59	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0568	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0116	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0267	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0392	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0165	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0363	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0335	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0129	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0282	5.59	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0205	5.59	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0404	5.59	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0169	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0126	1.12	PQL	ng/Kg	
SL-180-SA5DN-SB-9.0-10.0	OCDD	JB	4.51	11.2	PQL	ng/Kg	J (all detects)
	OCDF	JBQ	0.271	11.2	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDD	JB	2.57	5.87	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.293	5.87	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0751	5.87	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0402	5.87	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0292	5.87	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.124	5.87	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0321	5.87	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0977	5.87	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0311	5.87	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0413	5.87	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0257	5.87	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0407	5.87	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0428	5.87	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0157	1.17	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0171	1.17	PQL	ng/Kg	
	OCDF	JB	0.623	11.7	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX121

Laboratory: LL

EDD Filename: DX121_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-183-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.800	5.45	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.113	5.45	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0361	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0161	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0386	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0411	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0120	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0713	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0527	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0194	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0458	5.45	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0277	5.45	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0562	5.45	PQL	ng/Kg	
	OCDD	JB	4.73	10.9	PQL	ng/Kg	
	OCDF	JB	0.309	10.9	PQL	ng/Kg	
SL-183-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.554	5.70	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.109	5.70	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0807	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0677	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0924	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0725	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0735	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0723	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0947	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0518	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0652	5.70	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0702	5.70	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0840	5.70	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0112	1.14	PQL	ng/Kg	
	OCDD	JB	2.78	11.4	PQL	ng/Kg	
	OCDF	JB	0.310	11.4	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX123

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
01-Aug-2011	SL-176-SA5DN-SB-4.0-5.0	6361794	N	METHOD	1613B	III
01-Aug-2011	SL-176-SA5DN-SB-9.0-10.0	6361795	N	METHOD	1613B	III
01-Aug-2011	SL-173-SA5DN-SB-4.0-5.0	6361788	N	METHOD	1613B	III
01-Aug-2011	SL-173-SA5DN-SB-9.0-10.0	6361789	N	METHOD	1613B	III
01-Aug-2011	SL-127-SA6-SB-2.0-3.0	6361796	N	METHOD	1613B	III
01-Aug-2011	SL-170-SA5DN-SB-4.0-5.0	6361786	N	METHOD	1613B	III
01-Aug-2011	SL-170-SA5DN-SB-9.0-10.0	6361787	N	METHOD	1613B	III
01-Aug-2011	SL-175-SA5DN-SB-4.0-5.0	6361790	N	METHOD	1613B	III
01-Aug-2011	SL-175-SA5DN-SB-4.0-5.0MS	6361791	MS	METHOD	1613B	III
01-Aug-2011	DUP22-SA5DN-QC-080111	6361797	FD	METHOD	1613B	III
01-Aug-2011	SL-175-SA5DN-SB-9.0-10.0	6361793	N	METHOD	1613B	III
02-Aug-2011	SL-145-SA6-SB-3.5-4.5	6363178	N	METHOD	1613B	III
02-Aug-2011	SL-160-SA5DN-SB-4.0-5.0	6363172	N	METHOD	1613B	III
02-Aug-2011	SL-128-SA6-SB-4.0-5.0	6363176	N	METHOD	1613B	III
02-Aug-2011	SL-128-SA6-SB-7.5-8.5	6363177	N	METHOD	1613B	III
02-Aug-2011	EB-SA6-SB-080211	6363175	EB	METHOD	1613B	III
02-Aug-2011	SL-162-SA5DN-SB-4.0-5.0	6363173	N	METHOD	1613B	III
02-Aug-2011	SL-162-SA5DN-SB-9.0-10.0	6363174	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	AQ

Sample ID: EB-SA6-SB-080211

Collected: 8/2/2011 1:00:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.60	JBQ	0.181	MDL	10.4	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	0.333	JB	0.0620	MDL	10.4	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.121	JBQ	0.0716	MDL	10.4	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.177	JBQ	0.0557	MDL	10.4	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	0.255	JBQ	0.132	MDL	10.4	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.189	JBQ	0.118	MDL	10.4	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.0584	JBQ	0.0577	MDL	10.4	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.117	JBQ	0.0969	MDL	10.4	PQL	pg/L	U	B
2,3,7,8-TCDF	0.136	JQ	0.133	MDL	2.07	PQL	pg/L	J	Z
OCDD	7.82	JB	0.226	MDL	20.7	PQL	pg/L	U	B
OCDF	0.709	JBQ	0.182	MDL	20.7	PQL	pg/L	U	B

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: DUP22-SA5DN-QC-080111

Collected: 8/1/2011 2:52:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.551	JB	0.0496	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.245	JBQ	0.0542	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.285	JB	0.0362	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.59	JB	0.0551	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.239	JB	0.0325	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.609	JB	0.0494	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.156	JBQ	0.0420	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.157	JBQ	0.0416	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.385	JB	0.0199	MDL	5.46	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.323	JB	0.0346	MDL	5.46	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.142	JB	0.0202	MDL	5.46	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0336	JB	0.0182	MDL	1.09	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0521	JBQ	0.0294	MDL	1.09	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 12:11:36 PM

ADR version 1.4.0.111

Page 1 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-127-SA6-SB-2.0-3.0

Collected: 8/1/2011 10:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.536	JB	0.0313	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.305	JB	0.0503	MDL	5.00	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	2.45	JB	0.0540	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.00	JB	0.0517	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.618	JB	0.0508	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.515	JB	0.0495	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.245	JB	0.0551	MDL	5.00	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.257	JB	0.0319	MDL	5.00	PQL	ng/Kg	U	B
1,2,3,7,8-PCDF	2.38	JB	0.0687	MDL	5.00	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.629	JB	0.0509	MDL	5.00	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0984	JB	0.0140	MDL	1.00	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.255	JB	0.129	MDL	1.00	PQL	ng/Kg	J	Z

Sample ID: SL-128-SA6-SB-4.0-5.0

Collected: 8/2/2011 12:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	4.38	JB	0.0411	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.43	JB	0.0151	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.199	JB	0.0267	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0391	JBQ	0.0222	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.847	JB	0.0363	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.222	JB	0.0227	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.185	JB	0.0313	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.117	JB	0.0205	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0953	JB	0.0398	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0392	JBQ	0.0165	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8-PCDF	0.0559	JBQ	0.0148	MDL	5.21	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.157	JB	0.0341	MDL	5.21	PQL	ng/Kg	U	B
2,3,4,7,8-PCDF	0.294	JBQ	0.0145	MDL	5.21	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0201	JBQ	0.0174	MDL	1.04	PQL	ng/Kg	U	B
OCDF	1.48	JB	0.0351	MDL	10.4	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 12:11:36 PM

ADR version 1.4.0.111

Page 2 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-128-SA6-SB-7.5-8.5

Collected: 8/2/2011 12:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.66	JB	0.0356	MDL	5.35	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.27	JB	0.0121	MDL	5.35	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.144	JB	0.0215	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0316	JB	0.0196	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.592	JB	0.0409	MDL	5.35	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.152	JB	0.0192	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.155	JB	0.0337	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.144	JBQ	0.0199	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.121	JBQ	0.0390	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0419	JBQ	0.0173	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0833	JBQ	0.0138	MDL	5.35	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.169	JB	0.0360	MDL	5.35	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.224	JB	0.0148	MDL	5.35	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0477	JBQ	0.0226	MDL	1.07	PQL	ng/Kg	U	B
OCDF	1.21	JB	0.0364	MDL	10.7	PQL	ng/Kg	J	Z

Sample ID: SL-145-SA6-SB-3.5-4.5

Collected: 8/2/2011 8:28:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.247	JBQ	0.0171	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0462	JBQ	0.00527	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0211	JBQ	0.0110	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0141	JBQ	0.0125	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0196	JB	0.00883	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0242	JBQ	0.0127	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0239	JB	0.00721	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0504	JB	0.0121	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0509	JBQ	0.0100	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0335	JBQ	0.0140	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0219	JB	0.00947	MDL	5.30	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0125	JBQ	0.0101	MDL	5.30	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0392	JBQ	0.00990	MDL	5.30	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0154	JBQ	0.0137	MDL	1.06	PQL	ng/Kg	U	B
OCDD	0.711	JB	0.0233	MDL	10.6	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 12:11:36 PM

ADR version 1.4.0.111

Page 3 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-145-SA6-SB-3.5-4.5

Collected: 8/2/2011 8:28:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	0.110	JBQ	0.0228	MDL	10.6	PQL	ng/Kg	U	B

Sample ID: SL-160-SA5DN-SB-4.0-5.0

Collected: 8/2/2011 8:46:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.305	JB	0.0193	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0524	JB	0.00608	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0455	JB	0.0125	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0343	JBQ	0.00946	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0207	JBQ	0.0151	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0316	JBQ	0.00800	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0490	JBQ	0.0135	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0438	JBQ	0.0114	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0179	JBQ	0.0179	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0293	JBQ	0.0109	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0225	JB	0.00912	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0411	JBQ	0.0116	MDL	5.54	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0214	JBQ	0.0173	MDL	1.11	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0173	JBQ	0.0164	MDL	1.11	PQL	ng/Kg	U	B
OCDD	0.896	JB	0.0298	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.176	JBQ	0.0304	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-162-SA5DN-SB-4.0-5.0

Collected: 8/2/2011 2:00:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.395	JB	0.0258	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0600	JBQ	0.00769	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0411	JBQ	0.0161	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0249	JBQ	0.0144	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0792	JBQ	0.0175	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0243	JBQ	0.0118	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.168	JB	0.0151	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.311	JB	0.0172	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0438	JB	0.0231	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0989	JB	0.0140	MDL	5.50	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 12:11:36 PM

ADR version 1.4.0.111

Page 4 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-162-SA5DN-SB-4.0-5.0

Collected: 8/2/2011 2:00:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,6,7,8-HXCDF	0.0323	JBQ	0.0134	MDL	5.50	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0534	JB	0.0153	MDL	5.50	PQL	ng/Kg	U	B
OCDD	1.56	JB	0.0318	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.185	JBQ	0.0479	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-162-SA5DN-SB-9.0-10.0

Collected: 8/2/2011 3:15:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.330	JB	0.0256	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0710	JB	0.00806	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0247	JB	0.0166	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0268	JB	0.0126	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0564	JB	0.0164	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0250	JB	0.0104	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0745	JB	0.0164	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0851	JB	0.0142	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0331	JBQ	0.0145	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0272	JB	0.0120	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0426	JBQ	0.0154	MDL	5.69	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0286	JBQ	0.0191	MDL	1.14	PQL	ng/Kg	U	B
OCDD	1.15	JB	0.0338	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.189	JBQ	0.0397	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-170-SA5DN-SB-4.0-5.0

Collected: 8/1/2011 12:01:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.94	JB	0.0214	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.244	JB	0.0248	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.212	JB	0.0653	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.275	JB	0.0334	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.815	JB	0.0660	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.147	JB	0.0320	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.383	JB	0.0653	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.156	JB	0.0330	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.141	JBQ	0.0283	MDL	5.40	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 12:11:36 PM

ADR version 1.4.0.111

Page 5 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-170-SA5DN-SB-4.0-5.0

Collected: 8/1/2011 12:01:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDF	0.345	JB	0.0267	MDL	5.40	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.157	JB	0.0318	MDL	5.40	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.143	JB	0.0256	MDL	5.40	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0351	JBQ	0.0162	MDL	1.08	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0903	JB	0.0455	MDL	1.08	PQL	ng/Kg	U	B
OCDF	4.55	JB	0.0266	MDL	10.8	PQL	ng/Kg	J	Z

Sample ID: SL-170-SA5DN-SB-9.0-10.0

Collected: 8/1/2011 12:02:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.756	JB	0.0288	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.172	JB	0.00880	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0725	JBQ	0.0133	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0301	JB	0.0166	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.111	JB	0.0141	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0535	JBQ	0.0167	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0533	JB	0.0126	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0587	JBQ	0.0156	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0722	JBQ	0.0159	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0372	JBQ	0.0216	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.152	JBQ	0.0133	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0420	JBQ	0.0133	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0538	JBQ	0.0140	MDL	5.53	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0313	JBQ	0.0289	MDL	1.11	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0621	JBQ	0.0265	MDL	1.11	PQL	ng/Kg	U	B
OCDD	10.4	JB	0.0248	MDL	11.1	PQL	ng/Kg	J	Z
OCDF	0.418	JB	0.0310	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-173-SA5DN-SB-4.0-5.0

Collected: 8/1/2011 10:03:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.09	JB	0.0273	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.195	JB	0.0109	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0442	JBQ	0.0176	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0483	JBQ	0.0130	MDL	5.67	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 12:11:36 PM

ADR version 1.4.0.111

Page 6 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-173-SA5DN-SB-4.0-5.0

Collected: 8/1/2011 10:03:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDD	0.0690	JBQ	0.0193	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0460	JBQ	0.0110	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0732	JBQ	0.0177	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0486	JBQ	0.0128	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0635	JBQ	0.0181	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0423	JBQ	0.0134	MDL	5.67	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0363	JB	0.0120	MDL	5.67	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0547	JB	0.0148	MDL	5.67	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0230	JBQ	0.0224	MDL	1.13	PQL	ng/Kg	U	B
OCDD	8.99	JB	0.0218	MDL	11.3	PQL	ng/Kg	J	Z
OCDF	0.497	JB	0.0321	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-173-SA5DN-SB-9.0-10.0

Collected: 8/1/2011 10:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.964	JB	0.0278	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.151	JB	0.0101	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0524	JBQ	0.0165	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0302	JBQ	0.0167	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0392	JBQ	0.0141	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0682	JB	0.0172	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0345	JBQ	0.0119	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0596	JBQ	0.0159	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0316	JBQ	0.0150	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0504	JBQ	0.0315	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0425	JBQ	0.0135	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0665	JBQ	0.0150	MDL	5.68	PQL	ng/Kg	U	B
OCDD	7.55	JB	0.0248	MDL	11.4	PQL	ng/Kg	J	Z
OCDF	0.380	JBQ	0.0316	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-175-SA5DN-SB-4.0-5.0

Collected: 8/1/2011 2:45:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.497	JB	0.0428	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.368	JB	0.0441	MDL	5.37	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 12:11:36 PM

ADR version 1.4.0.111

Page 7 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-175-SA5DN-SB-4.0-5.0

Collected: 8/1/2011 2:45:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.337	JB	0.0384	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.93	JB	0.0447	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.298	JB	0.0367	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.813	JB	0.0448	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.180	JB	0.0371	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.231	JB	0.0340	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.578	JB	0.0267	MDL	5.37	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.399	JB	0.0362	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.355	JB	0.0257	MDL	5.37	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0418	JB	0.0193	MDL	1.07	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0596	JB	0.0379	MDL	1.07	PQL	ng/Kg	U	B

Sample ID: SL-175-SA5DN-SB-9.0-10.0

Collected: 8/1/2011 2:53:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.834	JB	0.0211	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.150	JB	0.0314	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.135	JB	0.0339	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.129	JB	0.0308	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.397	JB	0.0352	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.125	JB	0.0276	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.189	JB	0.0341	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.135	JBQ	0.0302	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.150	JBQ	0.0280	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.135	JB	0.0137	MDL	5.67	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.149	JB	0.0295	MDL	5.67	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.170	JBQ	0.0140	MDL	5.67	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0323	JB	0.0189	MDL	1.13	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0305	JBQ	0.0226	MDL	1.13	PQL	ng/Kg	U	B
OCDF	2.11	JB	0.0370	MDL	11.3	PQL	ng/Kg	J	Z

Sample ID: SL-176-SA5DN-SB-4.0-5.0

Collected: 8/1/2011 8:21:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.33	JB	0.0502	MDL	5.39	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 12:11:36 PM

ADR version 1.4.0.111

Page 8 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-176-SA5DN-SB-4.0-5.0

Collected: 8/1/2011 8:21:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HxCDD	0.776	JB	0.0563	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.532	JB	0.0499	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	5.10	JB	0.0570	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.628	JB	0.0453	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.75	JB	0.0509	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.260	JB	0.0520	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.440	JB	0.0553	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.328	JB	0.0251	MDL	5.39	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.865	JB	0.0465	MDL	5.39	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.299	JBQ	0.0254	MDL	5.39	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0319	JBQ	0.0203	MDL	1.08	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0880	JBQ	0.0407	MDL	1.08	PQL	ng/Kg	U	B

Sample ID: SL-176-SA5DN-SB-9.0-10.0

Collected: 8/1/2011 8:23:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.80	JB	0.0192	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.238	JB	0.0345	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.106	JB	0.0458	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0946	JB	0.0270	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.560	JB	0.0462	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0952	JB	0.0234	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.216	JB	0.0439	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0689	JBQ	0.0311	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.102	JBQ	0.0282	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.103	JB	0.0135	MDL	5.60	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.135	JBQ	0.0266	MDL	5.60	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0864	JBQ	0.0142	MDL	5.60	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0268	JB	0.0154	MDL	1.12	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0243	JB	0.0194	MDL	1.12	PQL	ng/Kg	U	B
OCDF	4.52	JB	0.0369	MDL	11.2	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 12:11:36 PM

ADR version 1.4.0.111

Page 9 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Laboratory Triplicate Precision
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*#	Professional Judgment
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 12:11:36 PM

ADR version 1.4.0.111

Page 10 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation
Q	Matrix Spike Upper Rejection

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 12:11:36 PM

ADR version 1.4.0.111

Page 11 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 12:11:36 PM

ADR version 1.4.0.111

Page 12 of 12

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX123

Method Blank Outlier Report

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B Matrix: AQ				
Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK2200B371122	8/10/2011 11:22:00 AM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HXCDF 1,2,3,6,7,8-HXCDD 1,2,3,7,8,9-HXCDD 1,2,3,7,8,9-HXCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HXCDF 2,3,4,7,8-PECDF OCDD OCDF	3.70 pg/L 0.669 pg/L 0.287 pg/L 0.230 pg/L 0.448 pg/L 0.265 pg/L 0.242 pg/L 0.290 pg/L 0.198 pg/L 0.227 pg/L 0.517 pg/L 9.52 pg/L 1.03 pg/L	EB-SA6-SB-080211

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
EB-SA6-SB-080211(RES)	1,2,3,4,6,7,8-HPCDD	3.60 pg/L	3.60U pg/L
EB-SA6-SB-080211(RES)	1,2,3,4,6,7,8-HPCDF	0.333 pg/L	0.333U pg/L
EB-SA6-SB-080211(RES)	1,2,3,4,7,8,9-HPCDF	0.121 pg/L	0.121U pg/L
EB-SA6-SB-080211(RES)	1,2,3,4,7,8-HXCDF	0.177 pg/L	0.177U pg/L
EB-SA6-SB-080211(RES)	1,2,3,6,7,8-HXCDD	0.255 pg/L	0.255U pg/L
EB-SA6-SB-080211(RES)	1,2,3,7,8,9-HXCDD	0.189 pg/L	0.189U pg/L
EB-SA6-SB-080211(RES)	1,2,3,7,8,9-HXCDF	0.0584 pg/L	0.0584U pg/L
EB-SA6-SB-080211(RES)	1,2,3,7,8-PECDF	0.117 pg/L	0.117U pg/L
EB-SA6-SB-080211(RES)	OCDD	7.82 pg/L	7.82U pg/L
EB-SA6-SB-080211(RES)	OCDF	0.709 pg/L	0.709U pg/L

Method: 1613B Matrix: SO				
Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK2270B370700	8/18/2011 7:00:00 AM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HXCDF 1,2,3,6,7,8-HXCDD 1,2,3,6,7,8-HXCDF 1,2,3,7,8,9-HXCDD 1,2,3,7,8,9-HXCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HXCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD 2,3,7,8-TCDF OCDD OCDF	0.291 ng/Kg 0.0805 ng/Kg 0.0937 ng/Kg 0.0633 ng/Kg 0.0930 ng/Kg 0.0625 ng/Kg 0.0813 ng/Kg 0.0795 ng/Kg 0.0433 ng/Kg 0.117 ng/Kg 0.135 ng/Kg 0.0641 ng/Kg 0.133 ng/Kg 0.0389 ng/Kg 0.0485 ng/Kg 0.620 ng/Kg 0.171 ng/Kg	DUP22-SA5DN-QC-080111 SL-127-SA6-SB-2.0-3.0 SL-128-SA6-SB-4.0-5.0 SL-128-SA6-SB-7.5-8.5 SL-145-SA6-SB-3.5-4.5 SL-180-SA5DN-SB-4.0-5.0 SL-162-SA5DN-SB-4.0-5.0 SL-162-SA5DN-SB-9.0-10.0 SL-170-SA5DN-SB-4.0-5.0 SL-170-SA5DN-SB-9.0-10.0 SL-173-SA5DN-SB-4.0-5.0 SL-173-SA5DN-SB-9.0-10.0 SL-175-SA5DN-SB-4.0-5.0 SL-175-SA5DN-SB-9.0-10.0 SL-176-SA5DN-SB-4.0-5.0 SL-176-SA5DN-SB-9.0-10.0

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP22-SA5DN-QC-080111(RES)	1,2,3,4,7,8-HxCDD	0.245 ng/Kg	0.245U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 12:09:48 PM

ADR version 1.4.0.111

Page 1 of 6

Method Blank Outlier Report

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP22-SA5DN-QC-080111(RES)	1,2,3,4,7,8-HXCDF	0.285 ng/Kg	0.285U ng/Kg
DUP22-SA5DN-QC-080111(RES)	1,2,3,6,7,8-HXCDF	0.239 ng/Kg	0.239U ng/Kg
DUP22-SA5DN-QC-080111(RES)	1,2,3,7,8,9-HXCDF	0.156 ng/Kg	0.156U ng/Kg
DUP22-SA5DN-QC-080111(RES)	1,2,3,7,8-PECDD	0.157 ng/Kg	0.157U ng/Kg
DUP22-SA5DN-QC-080111(RES)	1,2,3,7,8-PECDF	0.385 ng/Kg	0.385U ng/Kg
DUP22-SA5DN-QC-080111(RES)	2,3,4,7,8-PECDF	0.142 ng/Kg	0.142U ng/Kg
DUP22-SA5DN-QC-080111(RES)	2,3,7,8-TCDD	0.0336 ng/Kg	0.0336U ng/Kg
DUP22-SA5DN-QC-080111(RES)	2,3,7,8-TCDF	0.0521 ng/Kg	0.0521U ng/Kg
SL-127-SA6-SB-2.0-3.0(RES)	1,2,3,4,7,8-HxCDD	0.305 ng/Kg	0.305U ng/Kg
SL-127-SA6-SB-2.0-3.0(RES)	1,2,3,7,8-PECDD	0.257 ng/Kg	0.257U ng/Kg
SL-127-SA6-SB-2.0-3.0(RES)	2,3,7,8-TCDD	0.0984 ng/Kg	0.0984U ng/Kg
SL-128-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.199 ng/Kg	0.199U ng/Kg
SL-128-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0391 ng/Kg	0.0391U ng/Kg
SL-128-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.222 ng/Kg	0.222U ng/Kg
SL-128-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.185 ng/Kg	0.185U ng/Kg
SL-128-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.117 ng/Kg	0.117U ng/Kg
SL-128-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0953 ng/Kg	0.0953U ng/Kg
SL-128-SA6-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0392 ng/Kg	0.0392U ng/Kg
SL-128-SA6-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0559 ng/Kg	0.0559U ng/Kg
SL-128-SA6-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.157 ng/Kg	0.157U ng/Kg
SL-128-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.294 ng/Kg	0.294U ng/Kg
SL-128-SA6-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0201 ng/Kg	0.0201U ng/Kg
SL-128-SA6-SB-7.5-8.5(RES)	1,2,3,4,7,8,9-HPCDF	0.144 ng/Kg	0.144U ng/Kg
SL-128-SA6-SB-7.5-8.5(RES)	1,2,3,4,7,8-HxCDD	0.0316 ng/Kg	0.0316U ng/Kg
SL-128-SA6-SB-7.5-8.5(RES)	1,2,3,6,7,8-HXCDD	0.152 ng/Kg	0.152U ng/Kg
SL-128-SA6-SB-7.5-8.5(RES)	1,2,3,6,7,8-HXCDF	0.155 ng/Kg	0.155U ng/Kg
SL-128-SA6-SB-7.5-8.5(RES)	1,2,3,7,8,9-HXCDD	0.144 ng/Kg	0.144U ng/Kg
SL-128-SA6-SB-7.5-8.5(RES)	1,2,3,7,8,9-HXCDF	0.121 ng/Kg	0.121U ng/Kg
SL-128-SA6-SB-7.5-8.5(RES)	1,2,3,7,8-PECDD	0.0419 ng/Kg	0.0419U ng/Kg
SL-128-SA6-SB-7.5-8.5(RES)	1,2,3,7,8-PECDF	0.0833 ng/Kg	0.0833U ng/Kg
SL-128-SA6-SB-7.5-8.5(RES)	2,3,4,6,7,8-HXCDF	0.169 ng/Kg	0.169U ng/Kg
SL-128-SA6-SB-7.5-8.5(RES)	2,3,4,7,8-PECDF	0.224 ng/Kg	0.224U ng/Kg
SL-128-SA6-SB-7.5-8.5(RES)	2,3,7,8-TCDF	0.0477 ng/Kg	0.0477U ng/Kg
SL-145-SA6-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDD	0.247 ng/Kg	0.247U ng/Kg
SL-145-SA6-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0462 ng/Kg	0.0462U ng/Kg
SL-145-SA6-SB-3.5-4.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0211 ng/Kg	0.0211U ng/Kg
SL-145-SA6-SB-3.5-4.5(RES)	1,2,3,4,7,8-HxCDD	0.0141 ng/Kg	0.0141U ng/Kg
SL-145-SA6-SB-3.5-4.5(RES)	1,2,3,4,7,8-HXCDF	0.0196 ng/Kg	0.0196U ng/Kg
SL-145-SA6-SB-3.5-4.5(RES)	1,2,3,6,7,8-HXCDD	0.0242 ng/Kg	0.0242U ng/Kg
SL-145-SA6-SB-3.5-4.5(RES)	1,2,3,6,7,8-HXCDF	0.0239 ng/Kg	0.0239U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 12:09:49 PM

ADR version 1.4.0.111

Page 2 of 6

Method Blank Outlier Report

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-145-SA6-SB-3.5-4.5(RES)	1,2,3,7,8,9-HXCDD	0.0504 ng/Kg	0.0504U ng/Kg
SL-145-SA6-SB-3.5-4.5(RES)	1,2,3,7,8,9-HXCDF	0.0509 ng/Kg	0.0509U ng/Kg
SL-145-SA6-SB-3.5-4.5(RES)	1,2,3,7,8-PECDD	0.0335 ng/Kg	0.0335U ng/Kg
SL-145-SA6-SB-3.5-4.5(RES)	1,2,3,7,8-PECDF	0.0219 ng/Kg	0.0219U ng/Kg
SL-145-SA6-SB-3.5-4.5(RES)	2,3,4,6,7,8-HXCDF	0.0125 ng/Kg	0.0125U ng/Kg
SL-145-SA6-SB-3.5-4.5(RES)	2,3,4,7,8-PECDF	0.0392 ng/Kg	0.0392U ng/Kg
SL-145-SA6-SB-3.5-4.5(RES)	2,3,7,8-TCDF	0.0154 ng/Kg	0.0154U ng/Kg
SL-145-SA6-SB-3.5-4.5(RES)	OCDD	0.711 ng/Kg	0.711U ng/Kg
SL-145-SA6-SB-3.5-4.5(RES)	OCDF	0.110 ng/Kg	0.110U ng/Kg
SL-160-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.305 ng/Kg	0.305U ng/Kg
SL-160-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0524 ng/Kg	0.0524U ng/Kg
SL-160-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0455 ng/Kg	0.0455U ng/Kg
SL-160-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0343 ng/Kg	0.0343U ng/Kg
SL-160-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0207 ng/Kg	0.0207U ng/Kg
SL-160-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0316 ng/Kg	0.0316U ng/Kg
SL-160-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0490 ng/Kg	0.0490U ng/Kg
SL-160-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0438 ng/Kg	0.0438U ng/Kg
SL-160-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0179 ng/Kg	0.0179U ng/Kg
SL-160-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0293 ng/Kg	0.0293U ng/Kg
SL-160-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0225 ng/Kg	0.0225U ng/Kg
SL-160-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0411 ng/Kg	0.0411U ng/Kg
SL-160-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0214 ng/Kg	0.0214U ng/Kg
SL-160-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0173 ng/Kg	0.0173U ng/Kg
SL-160-SA5DN-SB-4.0-5.0(RES)	OCDD	0.896 ng/Kg	0.896U ng/Kg
SL-160-SA5DN-SB-4.0-5.0(RES)	OCDF	0.176 ng/Kg	0.176U ng/Kg
SL-162-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.395 ng/Kg	0.395U ng/Kg
SL-162-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0600 ng/Kg	0.0600U ng/Kg
SL-162-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0411 ng/Kg	0.0411U ng/Kg
SL-162-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0249 ng/Kg	0.0249U ng/Kg
SL-162-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0792 ng/Kg	0.0792U ng/Kg
SL-162-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0243 ng/Kg	0.0243U ng/Kg
SL-162-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.168 ng/Kg	0.168U ng/Kg
SL-162-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0438 ng/Kg	0.0438U ng/Kg
SL-162-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0989 ng/Kg	0.0989U ng/Kg
SL-162-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0323 ng/Kg	0.0323U ng/Kg
SL-162-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0534 ng/Kg	0.0534U ng/Kg
SL-162-SA5DN-SB-4.0-5.0(RES)	OCDD	1.56 ng/Kg	1.56U ng/Kg
SL-162-SA5DN-SB-4.0-5.0(RES)	OCDF	0.185 ng/Kg	0.185U ng/Kg
SL-162-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.330 ng/Kg	0.330U ng/Kg
SL-162-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0710 ng/Kg	0.0710U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 12:09:49 PM

ADR version 1.4.0.111

Page 3 of 6

Method Blank Outlier Report

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-162-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0247 ng/Kg	0.0247U ng/Kg
SL-162-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0268 ng/Kg	0.0268U ng/Kg
SL-162-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0564 ng/Kg	0.0564U ng/Kg
SL-162-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0250 ng/Kg	0.0250U ng/Kg
SL-162-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0745 ng/Kg	0.0745U ng/Kg
SL-162-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0851 ng/Kg	0.0851U ng/Kg
SL-162-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0331 ng/Kg	0.0331U ng/Kg
SL-162-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0272 ng/Kg	0.0272U ng/Kg
SL-162-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0426 ng/Kg	0.0426U ng/Kg
SL-162-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0286 ng/Kg	0.0286U ng/Kg
SL-162-SA5DN-SB-9.0-10.0(RES)	OCDD	1.15 ng/Kg	1.15U ng/Kg
SL-162-SA5DN-SB-9.0-10.0(RES)	OCDF	0.189 ng/Kg	0.189U ng/Kg
SL-170-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.244 ng/Kg	0.244U ng/Kg
SL-170-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.212 ng/Kg	0.212U ng/Kg
SL-170-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.275 ng/Kg	0.275U ng/Kg
SL-170-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.147 ng/Kg	0.147U ng/Kg
SL-170-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.383 ng/Kg	0.383U ng/Kg
SL-170-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.156 ng/Kg	0.156U ng/Kg
SL-170-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.141 ng/Kg	0.141U ng/Kg
SL-170-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.345 ng/Kg	0.345U ng/Kg
SL-170-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.157 ng/Kg	0.157U ng/Kg
SL-170-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.143 ng/Kg	0.143U ng/Kg
SL-170-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0351 ng/Kg	0.0351U ng/Kg
SL-170-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0903 ng/Kg	0.0903U ng/Kg
SL-170-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.756 ng/Kg	0.756U ng/Kg
SL-170-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.172 ng/Kg	0.172U ng/Kg
SL-170-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0725 ng/Kg	0.0725U ng/Kg
SL-170-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0301 ng/Kg	0.0301U ng/Kg
SL-170-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.111 ng/Kg	0.111U ng/Kg
SL-170-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0535 ng/Kg	0.0535U ng/Kg
SL-170-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0533 ng/Kg	0.0533U ng/Kg
SL-170-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0587 ng/Kg	0.0587U ng/Kg
SL-170-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0722 ng/Kg	0.0722U ng/Kg
SL-170-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0372 ng/Kg	0.0372U ng/Kg
SL-170-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.152 ng/Kg	0.152U ng/Kg
SL-170-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0420 ng/Kg	0.0420U ng/Kg
SL-170-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0538 ng/Kg	0.0538U ng/Kg
SL-170-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0313 ng/Kg	0.0313U ng/Kg
SL-170-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0621 ng/Kg	0.0621U ng/Kg
SL-170-SA5DN-SB-9.0-10.0(RES)	OCDF	0.418 ng/Kg	0.418U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 12:09:49 PM

ADR version 1.4.0.111

Page 4 of 6

Method Blank Outlier Report

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-173-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.09 ng/Kg	1.09U ng/Kg
SL-173-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.195 ng/Kg	0.195U ng/Kg
SL-173-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0442 ng/Kg	0.0442U ng/Kg
SL-173-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0483 ng/Kg	0.0483U ng/Kg
SL-173-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0690 ng/Kg	0.0690U ng/Kg
SL-173-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0460 ng/Kg	0.0460U ng/Kg
SL-173-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0732 ng/Kg	0.0732U ng/Kg
SL-173-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0486 ng/Kg	0.0486U ng/Kg
SL-173-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0635 ng/Kg	0.0635U ng/Kg
SL-173-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0423 ng/Kg	0.0423U ng/Kg
SL-173-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0363 ng/Kg	0.0363U ng/Kg
SL-173-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0547 ng/Kg	0.0547U ng/Kg
SL-173-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0230 ng/Kg	0.0230U ng/Kg
SL-173-SA5DN-SB-4.0-5.0(RES)	OCDF	0.497 ng/Kg	0.497U ng/Kg
SL-173-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.964 ng/Kg	0.964U ng/Kg
SL-173-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.151 ng/Kg	0.151U ng/Kg
SL-173-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0524 ng/Kg	0.0524U ng/Kg
SL-173-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0302 ng/Kg	0.0302U ng/Kg
SL-173-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0392 ng/Kg	0.0392U ng/Kg
SL-173-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0682 ng/Kg	0.0682U ng/Kg
SL-173-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0345 ng/Kg	0.0345U ng/Kg
SL-173-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0596 ng/Kg	0.0596U ng/Kg
SL-173-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0316 ng/Kg	0.0316U ng/Kg
SL-173-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0504 ng/Kg	0.0504U ng/Kg
SL-173-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0425 ng/Kg	0.0425U ng/Kg
SL-173-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0665 ng/Kg	0.0665U ng/Kg
SL-173-SA5DN-SB-9.0-10.0(RES)	OCDF	0.380 ng/Kg	0.380U ng/Kg
SL-175-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.337 ng/Kg	0.337U ng/Kg
SL-175-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.298 ng/Kg	0.298U ng/Kg
SL-175-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.180 ng/Kg	0.180U ng/Kg
SL-175-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.231 ng/Kg	0.231U ng/Kg
SL-175-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.578 ng/Kg	0.578U ng/Kg
SL-175-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.355 ng/Kg	0.355U ng/Kg
SL-175-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0418 ng/Kg	0.0418U ng/Kg
SL-175-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0596 ng/Kg	0.0596U ng/Kg
SL-175-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.150 ng/Kg	0.150U ng/Kg
SL-175-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.135 ng/Kg	0.135U ng/Kg
SL-175-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.129 ng/Kg	0.129U ng/Kg
SL-175-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.125 ng/Kg	0.125U ng/Kg
SL-175-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.189 ng/Kg	0.189U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

10/27/2011 12:09:49 PM

ADR version 1.4.0.111

Page 5 of 6

Method Blank Outlier Report

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-175-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.135 ng/Kg	0.135U ng/Kg
SL-175-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.150 ng/Kg	0.150U ng/Kg
SL-175-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.135 ng/Kg	0.135U ng/Kg
SL-175-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.149 ng/Kg	0.149U ng/Kg
SL-175-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.170 ng/Kg	0.170U ng/Kg
SL-175-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0323 ng/Kg	0.0323U ng/Kg
SL-175-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0305 ng/Kg	0.0305U ng/Kg
SL-176-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.440 ng/Kg	0.440U ng/Kg
SL-176-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.328 ng/Kg	0.328U ng/Kg
SL-176-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.299 ng/Kg	0.299U ng/Kg
SL-176-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0319 ng/Kg	0.0319U ng/Kg
SL-176-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0880 ng/Kg	0.0880U ng/Kg
SL-176-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.238 ng/Kg	0.238U ng/Kg
SL-176-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.106 ng/Kg	0.106U ng/Kg
SL-176-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0946 ng/Kg	0.0946U ng/Kg
SL-176-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0952 ng/Kg	0.0952U ng/Kg
SL-176-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.216 ng/Kg	0.216U ng/Kg
SL-176-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0689 ng/Kg	0.0689U ng/Kg
SL-176-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.102 ng/Kg	0.102U ng/Kg
SL-176-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.103 ng/Kg	0.103U ng/Kg
SL-176-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.135 ng/Kg	0.135U ng/Kg
SL-176-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0864 ng/Kg	0.0864U ng/Kg
SL-176-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0268 ng/Kg	0.0268U ng/Kg
SL-176-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0243 ng/Kg	0.0243U ng/Kg

Field Duplicate RPD Report

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-175-SA5DN-SB-4.0- 5.0	DUP22-SA5DN-QC- 080111			
MOISTURE	9.2	9.2	0		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-175-SA5DN-SB-4.0- 5.0	DUP22-SA5DN-QC- 080111			
1,2,3,4,6,7,8-HPCDD	48.0	40.8	16	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	6.13	5.67	8	50.00	
1,2,3,4,7,8,9-HPCDF	0.497	0.551	10	50.00	
1,2,3,4,7,8-HxCDD	0.368	0.245	40	50.00	
1,2,3,4,7,8-HxCDF	0.337	0.285	17	50.00	
1,2,3,6,7,8-HxCDD	1.93	1.59	19	50.00	
1,2,3,6,7,8-HxCDF	0.298	0.239	22	50.00	
1,2,3,7,8,9-HxCDD	0.813	0.609	29	50.00	
1,2,3,7,8,9-HxCDF	0.180	0.156	14	50.00	
1,2,3,7,8-PECDD	0.231	0.157	38	50.00	
1,2,3,7,8-PECDF	0.578	0.385	40	50.00	
2,3,4,6,7,8-HxCDF	0.399	0.323	21	50.00	
2,3,7,8-TCDD	0.0418	0.0336	22	50.00	
2,3,7,8-TCDF	0.0596	0.0521	13	50.00	
OCDD	565	413	31	50.00	
OCDF	15.7	16.9	7	50.00	
2,3,4,7,8-PECDF	0.355	0.142	86	50.00	J(all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB-SA6-SB-080211	1,2,3,4,6,7,8-HPCDD	JBQ	3.60	10.4	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.333	10.4	PQL	pg/L	
	1,2,3,4,7,8-HPCDF	JBQ	0.121	10.4	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.177	10.4	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JBQ	0.255	10.4	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JBQ	0.189	10.4	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JBQ	0.0584	10.4	PQL	pg/L	
	1,2,3,7,8-PCDF	JBQ	0.117	10.4	PQL	pg/L	
	2,3,7,8-TCDF	JQ	0.136	2.07	PQL	pg/L	
	OCDD	JB	7.82	20.7	PQL	pg/L	
	OCDF	JBQ	0.709	20.7	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP22-SA5DN-QC-080111	1,2,3,4,7,8,9-HPCDF	JB	0.551	5.46	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	0.245	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.285	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.59	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.239	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.609	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.156	5.46	PQL	ng/Kg	
	1,2,3,7,8-PCDD	JBQ	0.157	5.46	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JB	0.385	5.46	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.323	5.46	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JB	0.142	5.46	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0336	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0521	1.09	PQL	ng/Kg	
SL-127-SA6-SB-2.0-3.0	1,2,3,4,7,8,9-HPCDF	JB	0.536	5.00	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.305	5.00	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	2.45	5.00	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.00	5.00	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.618	5.00	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.515	5.00	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.245	5.00	PQL	ng/Kg	
	1,2,3,7,8-PCDD	JB	0.257	5.00	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JB	2.38	5.00	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.629	5.00	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0984	1.00	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.255	1.00	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-128-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	4.38	5.21	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.43	5.21	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.199	5.21	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0391	5.21	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.847	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.222	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.185	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.117	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0953	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0392	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0559	5.21	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.157	5.21	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.294	5.21	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0201	1.04	PQL	ng/Kg	
	OCDF	JB	1.48	10.4	PQL	ng/Kg	
SL-128-SA6-SB-7.5-8.5	1,2,3,4,6,7,8-HPCDD	JB	2.66	5.35	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.27	5.35	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.144	5.35	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0316	5.35	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.592	5.35	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.152	5.35	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.155	5.35	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.144	5.35	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.121	5.35	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0419	5.35	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0833	5.35	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.169	5.35	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.224	5.35	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0477	1.07	PQL	ng/Kg	
	OCDF	JB	1.21	10.7	PQL	ng/Kg	
SL-145-SA6-SB-3.5-4.5	1,2,3,4,6,7,8-HPCDD	JBQ	0.247	5.30	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0462	5.30	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0211	5.30	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0141	5.30	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0196	5.30	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0242	5.30	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0239	5.30	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0504	5.30	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0509	5.30	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0335	5.30	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0219	5.30	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0125	5.30	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0392	5.30	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0154	1.06	PQL	ng/Kg	
	OCDD	JB	0.711	10.6	PQL	ng/Kg	
	OCDF	JBQ	0.110	10.6	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-160-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.305	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0524	5.54	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0455	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0343	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0207	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0316	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0490	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0438	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0179	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0293	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0225	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0411	5.54	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0214	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0173	1.11	PQL	ng/Kg	
	OCDD	JB	0.896	11.1	PQL	ng/Kg	
	OCDF	JBQ	0.176	11.1	PQL	ng/Kg	
SL-162-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.395	5.50	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0600	5.50	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0411	5.50	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0249	5.50	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0792	5.50	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0243	5.50	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.168	5.50	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.311	5.50	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0438	5.50	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0989	5.50	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0323	5.50	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0534	5.50	PQL	ng/Kg	
	OCDD	JB	1.56	11.0	PQL	ng/Kg	
	OCDF	JBQ	0.185	11.0	PQL	ng/Kg	
SL-162-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.330	5.69	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0710	5.69	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0247	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0268	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.0564	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0250	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0745	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0851	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0331	5.69	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0272	5.69	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0426	5.69	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0286	1.14	PQL	ng/Kg	
	OCDD	JB	1.15	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.189	11.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-170-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	1.94	5.40	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.244	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.212	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.275	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.815	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.147	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.383	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.156	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.141	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.345	5.40	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.157	5.40	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.143	5.40	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0351	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0903	1.08	PQL	ng/Kg	
	OCDF	JB	4.55	10.8	PQL	ng/Kg	
SL-170-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.756	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.172	5.53	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0725	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0301	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.111	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0535	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0533	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0587	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0722	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0372	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.152	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0420	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0538	5.53	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0313	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0621	1.11	PQL	ng/Kg	
SL-173-SA5DN-SB-4.0-5.0	OCDD	JB	10.4	11.1	PQL	ng/Kg	
	OCDF	JB	0.418	11.1	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDD	JB	1.09	5.67	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.195	5.67	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0442	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0483	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0690	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0460	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0732	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0486	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0635	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0423	5.67	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0363	5.67	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0547	5.67	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0230	1.13	PQL	ng/Kg	
	OCDD	JB	8.99	11.3	PQL	ng/Kg	
	OCDF	JB	0.497	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-173-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.964	5.68	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.151	5.68	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0524	5.68	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0302	5.68	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0392	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0682	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0345	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0596	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0316	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0504	5.68	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0425	5.68	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0665	5.68	PQL	ng/Kg	
	OCDD	JB	7.55	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.380	11.4	PQL	ng/Kg	
SL-175-SA5DN-SB-4.0-5.0	1,2,3,4,7,8,9-HPCDF	JB	0.497	5.37	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.368	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.337	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.93	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.298	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.813	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.180	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.231	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.578	5.37	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.399	5.37	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.355	5.37	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0418	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0596	1.07	PQL	ng/Kg	
SL-175-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDF	JB	0.834	5.67	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.150	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.135	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.129	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.397	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.125	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.189	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.135	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.150	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.135	5.67	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.149	5.67	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.170	5.67	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0323	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0305	1.13	PQL	ng/Kg	
	OCDF	JB	2.11	11.3	PQL	ng/Kg	
SL-176-SA5DN-SB-4.0-5.0	1,2,3,4,7,8,9-HPCDF	JB	1.33	5.39	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.776	5.39	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.532	5.39	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	5.10	5.39	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.628	5.39	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.75	5.39	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.260	5.39	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.440	5.39	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.328	5.39	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.865	5.39	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.299	5.39	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0319	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0880	1.08	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX123

Laboratory: LL

EDD Filename: DX123_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-176-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDF	JB	1.80	5.60	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.238	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.106	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0946	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.560	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0952	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.216	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0689	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.102	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.103	5.60	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.135	5.60	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0864	5.60	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0268	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0243	1.12	PQL	ng/Kg	
	OCDF	JB	4.52	11.2	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX124

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
03-Aug-2011	SL-011-SA6-SB-0.5-1.5	6364636	N	METHOD	1613B	III
03-Aug-2011	SL-003-SA6-SB-4.0-5.0	6364633	N	METHOD	1613B	III
03-Aug-2011	SL-003-SA6-SB-8.5-9.5	6364634	N	METHOD	1613B	III
03-Aug-2011	SL-188-SA5DN-SB-4.0-5.0	6364638	N	METHOD	1613B	III
03-Aug-2011	SL-004-SA6-SB-1.5-2.5	6364635	N	METHOD	1613B	III
03-Aug-2011	SL-188-SA5DN-SB-9.0-10.0	6364639	N	METHOD	1613B	III
03-Aug-2011	EB23-SA5DN-SB-080311	6364637	EB	METHOD	1613B	III
03-Aug-2011	SL-193-SA5DN-SB-4.0-5.0	6364640	N	METHOD	1613B	III
03-Aug-2011	SL-002-SA6-SB-4.0-5.0	6364631	N	METHOD	1613B	III
03-Aug-2011	SL-002-SA6-SB-9.0-10.0	6364632	N	METHOD	1613B	III
03-Aug-2011	SL-193-SA5DN-SB-9.0-10.0	6364641	N	METHOD	1613B	III
04-Aug-2011	SL-204-SA5DN-SB-9.0-10.0	6366529	N	METHOD	1613B	III
04-Aug-2011	SL-204-SA5DN-SB-4.0-5.0	6366528	N	METHOD	1613B	III
04-Aug-2011	SL-189-SA5DN-SB-4.0-5.0	6366524	N	METHOD	1613B	III
04-Aug-2011	SL-189-SA5DN-SB-4.0-5.0 M	6366525	MS	METHOD	1613B	III
04-Aug-2011	DUP23-SA5DN-QC-080411	6366530	FD	METHOD	1613B	III
04-Aug-2011	SL-189-SA5DN-SB-9.0-10.0	6366527	N	METHOD	1613B	III
04-Aug-2011	SL-185-SA5DN-SB-4.0-5.0	6366522	N	METHOD	1613B	III
04-Aug-2011	SL-185-SA5DN-SB-9.0-10.0	6366523	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: AQ

Sample ID: EB23-SA5DN-SB-080311

Collected: 8/3/2011 1:00:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.78	JBQ	0.257	MDL	11.2	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	0.491	JBQ	0.119	MDL	11.2	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.350	JBQ	0.135	MDL	11.2	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.216	JQ	0.190	MDL	11.2	PQL	pg/L	J	Z
1,2,3,4,7,8-HXCDF	0.211	JB	0.123	MDL	11.2	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDD	0.339	JBQ	0.204	MDL	11.2	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.263	JQ	0.109	MDL	11.2	PQL	pg/L	J	Z
1,2,3,7,8-PECDD	0.493	JBQ	0.264	MDL	11.2	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.557	JBQ	0.179	MDL	11.2	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.256	JBQ	0.118	MDL	11.2	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.634	JBQ	0.173	MDL	11.2	PQL	pg/L	U	B
OCDD	8.38	JB	0.413	MDL	22.4	PQL	pg/L	U	B
OCDF	0.812	JBQ	0.285	MDL	22.4	PQL	pg/L	U	B

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP23-SA5DN-QC-080411

Collected: 8/4/2011 10:59:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.553	JB	0.0133	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0922	JB	0.00432	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0292	JB	0.0102	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0395	JB	0.0105	MDL	5.31	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HXCDF	0.0860	JB	0.00787	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0993	JBQ	0.0111	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0697	JB	0.00643	MDL	5.31	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-HxCDD	0.163	JB	0.0108	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-HXCDF	0.193	JB	0.00965	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0762	JB	0.0110	MDL	5.31	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.178	JB	0.00654	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0467	JB	0.00765	MDL	5.31	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.125	JB	0.00698	MDL	5.31	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0290	JQ	0.00942	MDL	1.06	PQL	ng/Kg	J	Z, FD

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 11:55:40 AM

ADR version 1.4.0.111

Page 1 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA		
Method:	1613B	Matrix:	SO

Sample ID: DUP23-SA5DN-QC-080411

Collected: 8/4/2011 10:59:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDF	0.0436	JB	0.0120	MDL	1.06	PQL	ng/Kg	UJ	B, FD
OCDD	5.41	JB	0.0116	MDL	10.6	PQL	ng/Kg	J	Z, FD
OCDF	0.251	JBQ	0.0195	MDL	10.6	PQL	ng/Kg	U	B

Sample ID: SL-002-SA6-SB-4.0-5.0

Collected: 8/3/2011 2:30:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.99	JB	0.0170	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.983	JB	0.0267	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.126	JB	0.0238	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.521	JB	0.0226	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.31	JB	0.0249	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.305	JB	0.0214	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.496	JB	0.0231	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.174	JB	0.0269	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.209	JB	0.0225	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.13	JB	0.0175	MDL	5.53	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.358	JB	0.0212	MDL	5.53	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.812	JB	0.0177	MDL	5.53	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0335	J	0.0151	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.256	JB	0.0348	MDL	1.11	PQL	ng/Kg	J	Z

Sample ID: SL-002-SA6-SB-9.0-10.0

Collected: 8/3/2011 2:33:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	3.89	JB	0.0119	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.773	JB	0.0225	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.0984	JB	0.0248	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.681	JB	0.0197	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.826	JB	0.0254	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.423	JB	0.0171	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.295	JB	0.0244	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.167	JB	0.0209	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0749	JB	0.0150	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	2.82	JB	0.0192	MDL	5.49	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 11:55:41 AM

ADR version 1.4.0.111

Page 2 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-002-SA6-SB-9.0-10.0

Collected: 8/3/2011 2:33:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,6,7,8-HXCDF	0.345	JB	0.0180	MDL	5.49	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.67	JB	0.0193	MDL	5.49	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0170	J	0.0102	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.323	JB	0.0384	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	10.8	JB	0.0202	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SL-003-SA6-SB-4.0-5.0

Collected: 8/3/2011 8:40:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.73	JB	0.0131	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.560	JB	0.0261	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.0728	JB	0.0212	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.319	JB	0.0210	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.650	JB	0.0213	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.212	JB	0.0177	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.268	JB	0.0207	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0997	JB	0.0234	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0835	JB	0.0152	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.409	JB	0.0155	MDL	5.85	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.229	JB	0.0185	MDL	5.85	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.505	JB	0.0159	MDL	5.85	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0327	J	0.0137	MDL	1.17	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0893	JB	0.0297	MDL	1.17	PQL	ng/Kg	U	B
OCDF	7.17	JB	0.0261	MDL	11.7	PQL	ng/Kg	J	Z

Sample ID: SL-003-SA6-SB-8.5-9.5

Collected: 8/3/2011 8:44:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.67	JB	0.0124	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.521	JB	0.0202	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.0873	JB	0.0228	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.412	JB	0.0179	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.690	JB	0.0240	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.214	JB	0.0157	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.263	JB	0.0217	MDL	5.47	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 11:55:41 AM

ADR version 1.4.0.111

Page 3 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-003-SA6-SB-8.5-9.5

Collected: 8/3/2011 8:44:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	0.106	JBQ	0.0193	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0489	JB	0.0167	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.354	JB	0.0150	MDL	5.47	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.251	JB	0.0161	MDL	5.47	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.715	JB	0.0153	MDL	5.47	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0352	J	0.0121	MDL	1.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.264	JB	0.0312	MDL	1.09	PQL	ng/Kg	J	Z
OCDF	7.76	JB	0.0218	MDL	10.9	PQL	ng/Kg	J	Z

Sample ID: SL-004-SA6-SB-1.5-2.5

Collected: 8/3/2011 11:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.86	JB	0.0110	MDL	5.15	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.490	JB	0.0286	MDL	5.15	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.0871	JB	0.0195	MDL	5.15	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.199	JB	0.0161	MDL	5.15	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.722	JB	0.0198	MDL	5.15	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.143	JBQ	0.0126	MDL	5.15	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.249	JB	0.0187	MDL	5.15	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0347	JBQ	0.0204	MDL	5.15	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0272	JBQ	0.0126	MDL	5.15	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0840	JB	0.00872	MDL	5.15	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.181	JB	0.0139	MDL	5.15	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.120	JB	0.00955	MDL	5.15	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0138	JQ	0.0113	MDL	1.03	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0152	JBQ	0.0116	MDL	1.03	PQL	ng/Kg	U	B
OCDF	8.66	JB	0.0304	MDL	10.3	PQL	ng/Kg	J	Z

Sample ID: SL-011-SA6-SB-0.5-1.5

Collected: 8/3/2011 7:54:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.77	JB	0.0162	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.324	JB	0.00697	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0846	JB	0.0126	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0570	JB	0.0155	MDL	5.27	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 11:55:41 AM

ADR version 1.4.0.111

Page 4 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-011-SA6-SB-0.5-1.5

Collected: 8/3/2011 7:54:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.165	JB	0.0158	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.197	JB	0.0160	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0916	JB	0.0126	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.157	JB	0.0154	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0612	JB	0.0153	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.118	JBQ	0.0134	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0907	JB	0.00954	MDL	5.27	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0810	JB	0.0120	MDL	5.27	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.371	JB	0.0101	MDL	5.27	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0383	J	0.0108	MDL	1.05	PQL	ng/Kg	J	Z
OCDF	0.657	JB	0.0208	MDL	10.5	PQL	ng/Kg	U	B

Sample ID: SL-185-SA5DN-SB-4.0-5.0

Collected: 8/4/2011 3:20:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.411	JB	0.0141	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0610	JBQ	0.00459	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0534	JB	0.0148	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0172	JBQ	0.0103	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0240	JB	0.00781	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0521	JBQ	0.0108	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0204	JBQ	0.00586	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0612	JBQ	0.0102	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0932	JBQ	0.00999	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0146	JB	0.0103	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0223	JBQ	0.00608	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0216	JB	0.00700	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0530	JB	0.00700	MDL	5.72	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0159	J	0.0117	MDL	1.14	PQL	ng/Kg	J	Z
OCDD	1.18	JB	0.0118	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.194	JBQ	0.0347	MDL	11.4	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 11:55:41 AM

ADR version 1.4.0.111

Page 5 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-185-SA5DN-SB-9.0-10.0

Collected: 8/4/2011 3:30:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.436	JB	0.0149	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0605	JB	0.00411	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0455	JBQ	0.0131	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0288	JBQ	0.00651	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0143	JBQ	0.00926	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0141	JBQ	0.00491	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0348	JBQ	0.00846	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0383	JB	0.00857	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0205	JBQ	0.00926	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0136	JB	0.00526	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0127	JBQ	0.00549	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0385	JB	0.00617	MDL	5.71	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0114	JBQ	0.0106	MDL	1.14	PQL	ng/Kg	U	B
OCDD	2.94	JB	0.0127	MDL	11.4	PQL	ng/Kg	J	Z
OCDF	0.303	JB	0.0337	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-188-SA5DN-SB-4.0-5.0

Collected: 8/3/2011 10:57:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.516	JB	0.0146	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.147	JB	0.00529	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0849	JB	0.0144	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.154	JB	0.0112	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.263	JB	0.0112	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.170	JB	0.0116	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.214	JB	0.00863	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.152	JB	0.0112	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.200	JB	0.0148	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.298	JB	0.0136	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.352	JB	0.00725	MDL	5.73	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.147	JB	0.0100	MDL	5.73	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.339	JB	0.00806	MDL	5.73	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0952	J	0.0131	MDL	1.15	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.105	JB	0.0139	MDL	1.15	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 11:55:41 AM

ADR version 1.4.0.111

Page 6 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA	
Method:	1613B	Matrix: SO

Sample ID: SL-188-SA5DN-SB-4.0-5.0

Collected: 8/3/2011 10:57:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDD	1.93	JB	0.0129	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.295	JB	0.0255	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-188-SA5DN-SB-9.0-10.0

Collected: 8/3/2011 11:58:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.904	JB	0.0162	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.203	JB	0.00538	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0855	JB	0.0155	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.106	JB	0.0115	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.239	JB	0.0127	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.153	JB	0.0123	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.183	JB	0.00974	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.182	JB	0.0118	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.218	JBQ	0.0174	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.192	JB	0.0129	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.431	JB	0.00997	MDL	5.57	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.121	JB	0.0119	MDL	5.57	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.304	JB	0.0112	MDL	5.57	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0764	J	0.0115	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.137	JB	0.0246	MDL	1.11	PQL	ng/Kg	J	Z
OCDD	6.68	JB	0.0136	MDL	11.1	PQL	ng/Kg	J	Z
OCDF	0.445	JB	0.0304	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-189-SA5DN-SB-4.0-5.0

Collected: 8/4/2011 10:52:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.535	JB	0.0142	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0913	JB	0.00418	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0461	JB	0.0142	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0112	JBQ	0.0111	MDL	5.24	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDF	0.0910	JB	0.0100	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0686	JB	0.0112	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0249	JB	0.00736	MDL	5.24	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDD	0.176	JB	0.0109	MDL	5.24	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 11:55:41 AM

ADR version 1.4.0.111

Page 7 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-189-SA5DN-SB-4.0-5.0

Collected: 8/4/2011 10:52:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	0.227	JB	0.0138	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0182	JB	0.0120	MDL	5.24	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.231	JB	0.00978	MDL	5.24	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0404	JB	0.00868	MDL	5.24	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.115	JB	0.0113	MDL	5.24	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0108	U	0.0108	MDL	1.05	PQL	ng/Kg	UJ	FD
2,3,7,8-TCDF	0.0754	JB	0.0241	MDL	1.05	PQL	ng/Kg	UJ	B, FD
OCDD	2.91	JB	0.0100	MDL	10.5	PQL	ng/Kg	J	Z, FD
OCDF	0.221	JB	0.0284	MDL	10.5	PQL	ng/Kg	U	B

Sample ID: SL-189-SA5DN-SB-9.0-10.0

Collected: 8/4/2011 11:37:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.36	JB	0.0151	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.261	JB	0.00611	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.133	JB	0.0180	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0690	JBQ	0.0141	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.295	JB	0.0149	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.120	JB	0.0146	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.129	JB	0.0113	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.146	JB	0.0140	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.177	JB	0.0176	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.120	JB	0.0125	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.643	JB	0.0151	MDL	5.67	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.138	JB	0.0131	MDL	5.67	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.237	JB	0.0175	MDL	5.67	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0229	JQ	0.0110	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.188	JB	0.0385	MDL	1.13	PQL	ng/Kg	J	Z
OCDD	8.78	JB	0.0136	MDL	11.3	PQL	ng/Kg	J	Z
OCDF	0.717	JB	0.0294	MDL	11.3	PQL	ng/Kg	J	Z

Sample ID: SL-193-SA5DN-SB-4.0-5.0

Collected: 8/3/2011 2:00:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.81	JB	0.00879	MDL	5.56	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 11:55:41 AM

ADR version 1.4.0.111

Page 8 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA		
Method:	1613B	Matrix:	SO

Sample ID: SL-193-SA5DN-SB-4.0-5.0

Collected: 8/3/2011 2:00:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.357	JB	0.0227	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.141	JB	0.0203	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.313	JB	0.0169	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.542	JB	0.0215	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.208	JB	0.0138	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.307	JB	0.0194	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.161	JB	0.0203	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.150	JB	0.0171	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.588	JB	0.0124	MDL	5.56	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.268	JB	0.0154	MDL	5.56	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.403	JB	0.0138	MDL	5.56	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0357	J	0.0126	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.167	JB	0.0345	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	8.65	JB	0.0326	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-193-SA5DN-SB-9.0-10.0

Collected: 8/3/2011 3:00:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	5.16	JB	0.0237	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.806	JB	0.00635	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.134	JB	0.0210	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0462	JB	0.0157	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.153	JB	0.0126	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.220	JB	0.0166	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0868	JB	0.00947	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.127	JB	0.0165	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0417	JBQ	0.0180	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0374	JB	0.0117	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.136	JBQ	0.00970	MDL	5.57	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.104	JB	0.0115	MDL	5.57	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.195	JB	0.0109	MDL	5.57	PQL	ng/Kg	U	B
OCDF	2.12	JB	0.0358	MDL	11.1	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 11:55:41 AM

ADR version 1.4.0.111

Page 9 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-204-SA5DN-SB-4.0-5.0

Collected: 8/4/2011 9:20:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.02	JB	0.0234	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.600	JB	0.00665	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.129	JB	0.0200	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.115	JB	0.0150	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.453	JB	0.0173	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.291	JB	0.0160	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.165	JB	0.0129	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.437	JB	0.0156	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.404	JB	0.0220	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.173	JB	0.0159	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.516	JB	0.0135	MDL	5.51	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.168	JB	0.0161	MDL	5.51	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.394	JB	0.0154	MDL	5.51	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0495	J	0.0105	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.171	JB	0.0345	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	1.52	JB	0.0315	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SL-204-SA5DN-SB-9.0-10.0

Collected: 8/4/2011 9:00:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.688	JB	0.0127	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.134	JB	0.00456	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0672	JB	0.0137	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0929	JB	0.0116	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.150	JB	0.0106	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.146	JB	0.0122	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.104	JB	0.00760	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.233	JB	0.0118	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.311	JB	0.0143	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.154	JB	0.0130	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.248	JBQ	0.00655	MDL	5.85	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0769	JB	0.00877	MDL	5.85	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.195	JB	0.00737	MDL	5.85	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0436	J	0.00994	MDL	1.17	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 11:55:41 AM

ADR version 1.4.0.111

Page 10 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-204-SA5DN-SB-9.0-10.0

Collected: 8/4/2011 9:00:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDF	0.0890	JBQ	0.0119	MDL	1.17	PQL	ng/Kg	U	B
OCDD	4.26	JB	0.0119	MDL	11.7	PQL	ng/Kg	J	Z
OCDF	0.274	JB	0.0283	MDL	11.7	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 11:55:41 AM

ADR version 1.4.0.111

Page 11 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Laboratory Triplicate Precision
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*#	Professional Judgment
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 11:55:41 AM

ADR version 1.4.0.111

Page 12 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation
Q	Matrix Spike Upper Rejection

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 11:55:41 AM

ADR version 1.4.0.111

Page 13 of 14

Data Qualifier Summary

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 11:55:41 AM

ADR version 1.4.0.111

Page 14 of 14

Enclosure I

Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX124

Method Blank Outlier Report

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK2200B371122	8/10/2011 11:22:00 AM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HXCDF 1,2,3,6,7,8-HXCDD 1,2,3,7,8,9-HXCDD 1,2,3,7,8,9-HXCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HXCDF 2,3,4,7,8-PECDF OCDD OCDF	3.70 pg/L 0.669 pg/L 0.287 pg/L 0.230 pg/L 0.448 pg/L 0.265 pg/L 0.242 pg/L 0.290 pg/L 0.198 pg/L 0.227 pg/L 0.517 pg/L 9.52 pg/L 1.03 pg/L	EB23-SA5DN-SB-080311

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
EB23-SA5DN-SB-080311(RES)	1,2,3,4,6,7,8-HPCDD	3.78 pg/L	3.78U pg/L
EB23-SA5DN-SB-080311(RES)	1,2,3,4,6,7,8-HPCDF	0.491 pg/L	0.491U pg/L
EB23-SA5DN-SB-080311(RES)	1,2,3,4,7,8,9-HPCDF	0.350 pg/L	0.350U pg/L
EB23-SA5DN-SB-080311(RES)	1,2,3,4,7,8-HXCDF	0.211 pg/L	0.211U pg/L
EB23-SA5DN-SB-080311(RES)	1,2,3,6,7,8-HXCDD	0.339 pg/L	0.339U pg/L
EB23-SA5DN-SB-080311(RES)	1,2,3,7,8-PECDD	0.493 pg/L	0.493U pg/L
EB23-SA5DN-SB-080311(RES)	1,2,3,7,8-PECDF	0.557 pg/L	0.557U pg/L
EB23-SA5DN-SB-080311(RES)	2,3,4,6,7,8-HXCDF	0.256 pg/L	0.256U pg/L
EB23-SA5DN-SB-080311(RES)	2,3,4,7,8-PECDF	0.634 pg/L	0.634U pg/L
EB23-SA5DN-SB-080311(RES)	OCDD	8.38 pg/L	8.38U pg/L
EB23-SA5DN-SB-080311(RES)	OCDF	0.812 pg/L	0.812U pg/L

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK2290B371948	8/18/2011 7:48:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HXCDF 1,2,3,6,7,8-HXCDD 1,2,3,6,7,8-HXCDF 1,2,3,7,8,9-HXCDD 1,2,3,7,8,9-HXCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HXCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDF OCDD OCDF	0.267 ng/Kg 0.0532 ng/Kg 0.0269 ng/Kg 0.0255 ng/Kg 0.0250 ng/Kg 0.0273 ng/Kg 0.0177 ng/Kg 0.0242 ng/Kg 0.0309 ng/Kg 0.0222 ng/Kg 0.0101 ng/Kg 0.0227 ng/Kg 0.0441 ng/Kg 0.0189 ng/Kg 0.507 ng/Kg 0.138 ng/Kg	DUP23-SA5DN-QC-080411 SL-002-SA6-SB-4.0-5.0 SL-002-SA6-SB-9.0-10.0 SL-003-SA6-SB-4.0-5.0 SL-003-SA6-SB-8.5-9.5 SL-004-SA6-SB-1.5-2.5 SL-011-SA6-SB-0.5-1.5 SL-185-SA5DN-SB-4.0-5.0 SL-185-SA5DN-SB-9.0-10.0 SL-188-SA5DN-SB-4.0-5.0 SL-188-SA5DN-SB-9.0-10.0 SL-189-SA5DN-SB-4.0-5.0 SL-189-SA5DN-SB-9.0-10.0 SL-193-SA5DN-SB-4.0-5.0 SL-193-SA5DN-SB-9.0-10.0 SL-204-SA5DN-SB-4.0-5.0 SL-204-SA5DN-SB-9.0-10.0

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 11:54:48 AM

ADR version 1.4.0.111

Page 1 of 4

Method Blank Outlier Report

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP23-SA5DN-QC-080411(RES)	1,2,3,4,6,7,8-HPCDD	0.553 ng/Kg	0.553U ng/Kg
DUP23-SA5DN-QC-080411(RES)	1,2,3,4,6,7,8-HPCDF	0.0922 ng/Kg	0.0922U ng/Kg
DUP23-SA5DN-QC-080411(RES)	1,2,3,4,7,8,9-HPCDF	0.0292 ng/Kg	0.0292U ng/Kg
DUP23-SA5DN-QC-080411(RES)	1,2,3,4,7,8-HxCDD	0.0395 ng/Kg	0.0395U ng/Kg
DUP23-SA5DN-QC-080411(RES)	1,2,3,4,7,8-HxCDF	0.0860 ng/Kg	0.0860U ng/Kg
DUP23-SA5DN-QC-080411(RES)	1,2,3,6,7,8-HxCDD	0.0993 ng/Kg	0.0993U ng/Kg
DUP23-SA5DN-QC-080411(RES)	1,2,3,6,7,8-HxCDF	0.0697 ng/Kg	0.0697U ng/Kg
DUP23-SA5DN-QC-080411(RES)	1,2,3,7,8-PECDD	0.0762 ng/Kg	0.0762U ng/Kg
DUP23-SA5DN-QC-080411(RES)	2,3,4,6,7,8-HxCDF	0.0467 ng/Kg	0.0467U ng/Kg
DUP23-SA5DN-QC-080411(RES)	2,3,4,7,8-PECDF	0.125 ng/Kg	0.125U ng/Kg
DUP23-SA5DN-QC-080411(RES)	2,3,7,8-TCDF	0.0436 ng/Kg	0.0436U ng/Kg
DUP23-SA5DN-QC-080411(RES)	OCDF	0.251 ng/Kg	0.251U ng/Kg
SL-002-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.126 ng/Kg	0.126U ng/Kg
SL-002-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0984 ng/Kg	0.0984U ng/Kg
SL-002-SA6-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0749 ng/Kg	0.0749U ng/Kg
SL-003-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0728 ng/Kg	0.0728U ng/Kg
SL-003-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0997 ng/Kg	0.0997U ng/Kg
SL-003-SA6-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0835 ng/Kg	0.0835U ng/Kg
SL-003-SA6-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0893 ng/Kg	0.0893U ng/Kg
SL-003-SA6-SB-8.5-9.5(RES)	1,2,3,4,7,8-HxCDD	0.0873 ng/Kg	0.0873U ng/Kg
SL-003-SA6-SB-8.5-9.5(RES)	1,2,3,7,8,9-HxCDF	0.106 ng/Kg	0.106U ng/Kg
SL-003-SA6-SB-8.5-9.5(RES)	1,2,3,7,8-PECDD	0.0489 ng/Kg	0.0489U ng/Kg
SL-004-SA6-SB-1.5-2.5(RES)	1,2,3,4,7,8-HxCDD	0.0871 ng/Kg	0.0871U ng/Kg
SL-004-SA6-SB-1.5-2.5(RES)	1,2,3,7,8,9-HxCDF	0.0347 ng/Kg	0.0347U ng/Kg
SL-004-SA6-SB-1.5-2.5(RES)	1,2,3,7,8-PECDD	0.0272 ng/Kg	0.0272U ng/Kg
SL-004-SA6-SB-1.5-2.5(RES)	2,3,4,7,8-PECDF	0.120 ng/Kg	0.120U ng/Kg
SL-004-SA6-SB-1.5-2.5(RES)	2,3,7,8-TCDF	0.0152 ng/Kg	0.0152U ng/Kg
SL-011-SA6-SB-0.5-1.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0846 ng/Kg	0.0846U ng/Kg
SL-011-SA6-SB-0.5-1.5(RES)	1,2,3,4,7,8-HxCDD	0.0570 ng/Kg	0.0570U ng/Kg
SL-011-SA6-SB-0.5-1.5(RES)	1,2,3,7,8,9-HxCDF	0.0612 ng/Kg	0.0612U ng/Kg
SL-011-SA6-SB-0.5-1.5(RES)	2,3,4,6,7,8-HxCDF	0.0810 ng/Kg	0.0810U ng/Kg
SL-011-SA6-SB-0.5-1.5(RES)	OCDF	0.657 ng/Kg	0.657U ng/Kg
SL-185-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.411 ng/Kg	0.411U ng/Kg
SL-185-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0610 ng/Kg	0.0610U ng/Kg
SL-185-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0534 ng/Kg	0.0534U ng/Kg
SL-185-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0172 ng/Kg	0.0172U ng/Kg
SL-185-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0240 ng/Kg	0.0240U ng/Kg
SL-185-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0521 ng/Kg	0.0521U ng/Kg
SL-185-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0204 ng/Kg	0.0204U ng/Kg
SL-185-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0612 ng/Kg	0.0612U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 11:54:48 AM

ADR version 1.4.0.111

Page 2 of 4

Method Blank Outlier Report

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-185-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0932 ng/Kg	0.0932U ng/Kg
SL-185-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0146 ng/Kg	0.0146U ng/Kg
SL-185-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0223 ng/Kg	0.0223U ng/Kg
SL-185-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0216 ng/Kg	0.0216U ng/Kg
SL-185-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0530 ng/Kg	0.0530U ng/Kg
SL-185-SA5DN-SB-4.0-5.0(RES)	OCDD	1.18 ng/Kg	1.18U ng/Kg
SL-185-SA5DN-SB-4.0-5.0(RES)	OCDF	0.194 ng/Kg	0.194U ng/Kg
SL-185-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.436 ng/Kg	0.436U ng/Kg
SL-185-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0605 ng/Kg	0.0605U ng/Kg
SL-185-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0455 ng/Kg	0.0455U ng/Kg
SL-185-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0288 ng/Kg	0.0288U ng/Kg
SL-185-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0143 ng/Kg	0.0143U ng/Kg
SL-185-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0141 ng/Kg	0.0141U ng/Kg
SL-185-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0348 ng/Kg	0.0348U ng/Kg
SL-185-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0383 ng/Kg	0.0383U ng/Kg
SL-185-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0205 ng/Kg	0.0205U ng/Kg
SL-185-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0136 ng/Kg	0.0136U ng/Kg
SL-185-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0127 ng/Kg	0.0127U ng/Kg
SL-185-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0385 ng/Kg	0.0385U ng/Kg
SL-185-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0114 ng/Kg	0.0114U ng/Kg
SL-185-SA5DN-SB-9.0-10.0(RES)	OCDF	0.303 ng/Kg	0.303U ng/Kg
SL-188-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.516 ng/Kg	0.516U ng/Kg
SL-188-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.147 ng/Kg	0.147U ng/Kg
SL-188-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0849 ng/Kg	0.0849U ng/Kg
SL-188-SA5DN-SB-4.0-5.0(RES)	OCDD	1.93 ng/Kg	1.93U ng/Kg
SL-188-SA5DN-SB-4.0-5.0(RES)	OCDF	0.295 ng/Kg	0.295U ng/Kg
SL-188-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.904 ng/Kg	0.904U ng/Kg
SL-188-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.203 ng/Kg	0.203U ng/Kg
SL-188-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0855 ng/Kg	0.0855U ng/Kg
SL-188-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.106 ng/Kg	0.106U ng/Kg
SL-188-SA5DN-SB-9.0-10.0(RES)	OCDF	0.445 ng/Kg	0.445U ng/Kg
SL-189-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.535 ng/Kg	0.535U ng/Kg
SL-189-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0913 ng/Kg	0.0913U ng/Kg
SL-189-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0461 ng/Kg	0.0461U ng/Kg
SL-189-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0112 ng/Kg	0.0112U ng/Kg
SL-189-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0910 ng/Kg	0.0910U ng/Kg
SL-189-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0686 ng/Kg	0.0686U ng/Kg
SL-189-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0249 ng/Kg	0.0249U ng/Kg
SL-189-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0182 ng/Kg	0.0182U ng/Kg
SL-189-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0404 ng/Kg	0.0404U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 11:54:48 AM

ADR version 1.4.0.111

Page 3 of 4

Method Blank Outlier Report

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
---------------------------	---------------	---------	--------	-----------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-189-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.115 ng/Kg	0.115U ng/Kg
SL-189-SA5DN-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0754 ng/Kg	0.0754U ng/Kg
SL-189-SA5DN-SB-4.0-5.0(RES)	OCDF	0.221 ng/Kg	0.221U ng/Kg
SL-189-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.261 ng/Kg	0.261U ng/Kg
SL-189-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.133 ng/Kg	0.133U ng/Kg
SL-189-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0690 ng/Kg	0.0690U ng/Kg
SL-189-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.120 ng/Kg	0.120U ng/Kg
SL-193-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.134 ng/Kg	0.134U ng/Kg
SL-193-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0462 ng/Kg	0.0462U ng/Kg
SL-193-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0868 ng/Kg	0.0868U ng/Kg
SL-193-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.0417 ng/Kg	0.0417U ng/Kg
SL-193-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0374 ng/Kg	0.0374U ng/Kg
SL-193-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.104 ng/Kg	0.104U ng/Kg
SL-193-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.195 ng/Kg	0.195U ng/Kg
SL-204-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.129 ng/Kg	0.129U ng/Kg
SL-204-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.115 ng/Kg	0.115U ng/Kg
SL-204-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.688 ng/Kg	0.688U ng/Kg
SL-204-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.134 ng/Kg	0.134U ng/Kg
SL-204-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0672 ng/Kg	0.0672U ng/Kg
SL-204-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0929 ng/Kg	0.0929U ng/Kg
SL-204-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.0769 ng/Kg	0.0769U ng/Kg
SL-204-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.195 ng/Kg	0.195U ng/Kg
SL-204-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0890 ng/Kg	0.0890U ng/Kg
SL-204-SA5DN-SB-9.0-10.0(RES)	OCDF	0.274 ng/Kg	0.274U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 11:54:48 AM

ADR version 1.4.0.111

Page 4 of 4

Field Duplicate RPD Report

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-189-SA5DN-SB-4.0-5.0	DUP23-SA5DN-QC-080411			
MOISTURE	9.0	9.8	9		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-189-SA5DN-SB-4.0-5.0	DUP23-SA5DN-QC-080411			
1,2,3,4,6,7,8-HPCDD	0.535	0.553	3	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	0.0913	0.0922	1	50.00	
1,2,3,4,7,8,9-HPCDF	0.0461	0.0292	45	50.00	
1,2,3,4,7,8-HXCDF	0.0910	0.0860	6	50.00	
1,2,3,6,7,8-HXCDD	0.0686	0.0993	37	50.00	
1,2,3,7,8,9-HXCDD	0.176	0.163	8	50.00	
1,2,3,7,8,9-HXCDF	0.227	0.193	16	50.00	
1,2,3,7,8-PECDF	0.231	0.178	26	50.00	
2,3,4,6,7,8-HXCDF	0.0404	0.0467	14	50.00	
2,3,4,7,8-PECDF	0.115	0.125	8	50.00	
OCDF	0.221	0.251	13	50.00	
1,2,3,4,7,8-HxCDD	0.0112	0.0395	112	50.00	J(all detects) UJ(all non-detects)
1,2,3,6,7,8-HXCDF	0.0249	0.0697	95	50.00	
1,2,3,7,8-PECDD	0.0182	0.0762	123	50.00	
2,3,7,8-TCDD	1.05 U	0.0290	200	50.00	
2,3,7,8-TCDF	0.0754	0.0436	53	50.00	
OCDD	2.91	5.41	60	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB23-SA5DN-SB-080311	1,2,3,4,6,7,8-HPCDD	JBQ	3.78	11.2	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.491	11.2	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.350	11.2	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JQ	0.216	11.2	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JB	0.211	11.2	PQL	pg/L	
	1,2,3,6,7,8-HxCDD	JBQ	0.339	11.2	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JQ	0.263	11.2	PQL	pg/L	
	1,2,3,7,8-PECDD	JBQ	0.493	11.2	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.557	11.2	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.256	11.2	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.634	11.2	PQL	pg/L	
	OCDD	JB	8.38	22.4	PQL	pg/L	
	OCDF	JBQ	0.812	22.4	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP23-SA5DN-QC-080411	1,2,3,4,6,7,8-HPCDD	JB	0.553	5.31	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0922	5.31	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0292	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0395	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0860	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0993	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0697	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.163	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.193	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0762	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.178	5.31	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0467	5.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.125	5.31	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0290	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0436	1.06	PQL	ng/Kg	
	OCDD	JB	5.41	10.6	PQL	ng/Kg	
	OCDF	JBQ	0.251	10.6	PQL	ng/Kg	
SL-002-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	4.99	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.983	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.126	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.521	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.31	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.305	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.496	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.174	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.209	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.13	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.358	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.812	5.53	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0335	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.256	1.11	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-002-SA6-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDF	JB	3.89	5.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.773	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0984	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.681	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.826	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.423	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.295	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.167	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0749	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	2.82	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.345	5.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.67	5.49	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0170	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.323	1.10	PQL	ng/Kg	
	OCDF	JB	10.8	11.0	PQL	ng/Kg	
SL-003-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	2.73	5.85	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.560	5.85	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0728	5.85	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.319	5.85	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.650	5.85	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.212	5.85	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.268	5.85	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0997	5.85	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0835	5.85	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.409	5.85	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.229	5.85	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.505	5.85	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0327	1.17	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0893	1.17	PQL	ng/Kg	
	OCDF	JB	7.17	11.7	PQL	ng/Kg	
SL-003-SA6-SB-8.5-9.5	1,2,3,4,6,7,8-HPCDF	JB	2.67	5.47	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.521	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0873	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.412	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.690	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.214	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.263	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.106	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0489	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.354	5.47	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.251	5.47	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.715	5.47	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0352	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.264	1.09	PQL	ng/Kg	
	OCDF	JB	7.76	10.9	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-004-SA6-SB-1.5-2.5	1,2,3,4,6,7,8-HPCDF	JB	2.86	5.15	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.490	5.15	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0871	5.15	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.199	5.15	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.722	5.15	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.143	5.15	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.249	5.15	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0347	5.15	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0272	5.15	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0840	5.15	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.181	5.15	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.120	5.15	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0138	1.03	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0152	1.03	PQL	ng/Kg	
	OCDF	JB	8.66	10.3	PQL	ng/Kg	
SL-011-SA6-SB-0.5-1.5	1,2,3,4,6,7,8-HPCDD	JB	1.77	5.27	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.324	5.27	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0846	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0570	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.165	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.197	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0916	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.157	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0612	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.118	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0907	5.27	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0810	5.27	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.371	5.27	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0383	1.05	PQL	ng/Kg	
	OCDF	JB	0.657	10.5	PQL	ng/Kg	
SL-185-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.411	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0610	5.72	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0534	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0172	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0240	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0521	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0204	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0612	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0932	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0146	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0223	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0216	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0530	5.72	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0159	1.14	PQL	ng/Kg	
	OCDD	JB	1.18	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.194	11.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-185-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.436	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0605	5.71	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0455	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0288	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0143	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0141	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0348	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0383	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0205	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0136	5.71	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0127	5.71	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0385	5.71	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0114	1.14	PQL	ng/Kg	
	OCDD	JB	2.94	11.4	PQL	ng/Kg	
	OCDF	JB	0.303	11.4	PQL	ng/Kg	
SL-188-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.516	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.147	5.73	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0849	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.154	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.263	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.170	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.214	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.152	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.200	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.298	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.352	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.147	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.339	5.73	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0952	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.105	1.15	PQL	ng/Kg	
SL-188-SA5DN-SB-9.0-10.0	OCDD	JB	1.93	11.5	PQL	ng/Kg	J (all detects)
	OCDF	JB	0.295	11.5	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDD	JB	0.904	5.57	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.203	5.57	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0855	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.106	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.239	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.153	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.183	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.182	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.218	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.192	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.431	5.57	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.121	5.57	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.304	5.57	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0764	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.137	1.11	PQL	ng/Kg	
	OCDD	JB	6.68	11.1	PQL	ng/Kg	
	OCDF	JB	0.445	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-189-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.535	5.24	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0913	5.24	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0461	5.24	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0112	5.24	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0910	5.24	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0686	5.24	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0249	5.24	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.176	5.24	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.227	5.24	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0182	5.24	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.231	5.24	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0404	5.24	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.115	5.24	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0754	1.05	PQL	ng/Kg	
	OCDD	JB	2.91	10.5	PQL	ng/Kg	
	OCDF	JB	0.221	10.5	PQL	ng/Kg	
SL-189-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	1.36	5.67	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.261	5.67	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.133	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0690	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.295	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.120	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.129	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.146	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.177	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.120	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.643	5.67	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.138	5.67	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.237	5.67	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0229	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.188	1.13	PQL	ng/Kg	
	OCDD	JB	8.78	11.3	PQL	ng/Kg	
	OCDF	JB	0.717	11.3	PQL	ng/Kg	
SL-193-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	2.81	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.357	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.141	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.313	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.542	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.208	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.307	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.161	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.150	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.588	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.268	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.403	5.56	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0357	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.167	1.11	PQL	ng/Kg	
	OCDF	JB	8.65	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX124

Laboratory: LL

EDD Filename: DX124_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-193-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	5.16	5.57	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.806	5.57	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.134	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0462	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.153	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.220	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0868	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.127	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0417	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0374	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.136	5.57	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.104	5.57	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.195	5.57	PQL	ng/Kg	
	OCDF	JB	2.12	11.1	PQL	ng/Kg	
SL-204-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	3.02	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.600	5.51	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.129	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.115	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.453	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.291	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.165	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.437	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.404	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.173	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.516	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.168	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.394	5.51	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0495	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.171	1.10	PQL	ng/Kg	
	OCDF	JB	1.52	11.0	PQL	ng/Kg	
SL-204-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.688	5.85	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.134	5.85	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0672	5.85	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0929	5.85	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.150	5.85	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.146	5.85	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.104	5.85	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.233	5.85	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.311	5.85	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.154	5.85	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.248	5.85	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0769	5.85	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.195	5.85	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0436	1.17	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0890	1.17	PQL	ng/Kg	
	OCDD	JB	4.26	11.7	PQL	ng/Kg	
	OCDF	JB	0.274	11.7	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX125

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
04-Aug-2011	SL-014-SA6-SB-4.0-5.0	6366548	N	METHOD	1613B	III
04-Aug-2011	SL-014-SA6-SB-9.0-10.0	6366549	N	METHOD	1613B	III
04-Aug-2011	SL-025-SA6-SB-4.0-5.0	6366556	N	METHOD	1613B	III
04-Aug-2011	SL-025-SA6-SB-9.0-10.0	6366557	N	METHOD	1613B	III
04-Aug-2011	SL-019-SA6-SB-4.0-5.0	6366550	N	METHOD	1613B	III
04-Aug-2011	SL-019-SA6-SB-4.0-5.0 MS	6366551	MS	METHOD	1613B	III
04-Aug-2011	SL-019-SA6-SB-4.0-5.0 MSD	6366552	MSD	METHOD	1613B	III
04-Aug-2011	DUP11-SA6-QC-080411	6366558	FD	METHOD	1613B	III
04-Aug-2011	SL-019-SA6-SB-9.0-10.0	6366553	N	METHOD	1613B	III
04-Aug-2011	SL-006-SA6-SB-4.0-5.0	6366546	N	METHOD	1613B	III
04-Aug-2011	SL-006-SA6-SB-9.0-10.0	6366547	N	METHOD	1613B	III
04-Aug-2011	SL-024-SA6-SB-4.0-5.0	6366554	N	METHOD	1613B	III
04-Aug-2011	SL-024-SA6-SB-9.0-10.0	6366555	N	METHOD	1613B	III
05-Aug-2011	SL-010-SA6-SB-4.0-5.0	6367765	N	METHOD	1613B	III
05-Aug-2011	SL-198-SA5DN-SB-4.0-5.0	6367772	N	METHOD	1613B	III
05-Aug-2011	SL-198-SA5DN-SB-9.0-10.0	6367773	N	METHOD	1613B	III
05-Aug-2011	SL-023-SA6-SB-0.0-1.0	6367767	N	METHOD	1613B	III
05-Aug-2011	SL-022-SA6-SB-0.0-1.0	6367766	N	METHOD	1613B	III
05-Aug-2011	SL-060-SA5DN-SB-4.0-5.0	6367770	N	METHOD	1613B	III
05-Aug-2011	SL-060-SA5DN-SB-7.0-8.0	6367771	N	METHOD	1613B	III
05-Aug-2011	SL-114-SA6-SB-4.0-5.0	6367768	N	METHOD	1613B	III
05-Aug-2011	SL-114-SA6-SB-9.0-10.0	6367769	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP11-SA6-QC-080411

Collected: 8/4/2011 11:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.05	JB	0.113	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.270	JB	0.0981	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.928	J	0.0921	MDL	5.41	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HxCDD	2.23	J	0.101	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.798	J	0.0828	MDL	5.41	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HxCDD	0.602	JQ	0.0959	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.189	JBQ	0.0928	MDL	5.41	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.148	JQ	0.0803	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.755	JQ	0.0574	MDL	5.41	PQL	ng/Kg	J	Z, FD
2,3,4,6,7,8-HxCDF	0.967	JQ	0.0854	MDL	5.41	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.603	JBQ	0.0566	MDL	5.41	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDF	0.274	JQ	0.0996	MDL	1.08	PQL	ng/Kg	J	Z, FD
OCDD	1990	B	0.214	MDL	10.8	PQL	ng/Kg	J	FD
OCDF	25.2	B	0.0788	MDL	10.8	PQL	ng/Kg	J	FD

Sample ID: SL-006-SA6-SB-4.0-5.0

Collected: 8/4/2011 11:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.363	JB	0.0966	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0438	JBQ	0.0420	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0814	JQ	0.0432	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.0770	JQ	0.0570	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0503	JBQ	0.0465	MDL	5.44	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0454	JBQ	0.0430	MDL	5.44	PQL	ng/Kg	U	B
OCDD	0.691	JB	0.0473	MDL	10.9	PQL	ng/Kg	U	B
OCDF	0.119	JBQ	0.0917	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-006-SA6-SB-9.0-10.0

Collected: 8/4/2011 11:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.488	JBQ	0.0768	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0850	JBQ	0.0277	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0465	JBQ	0.0457	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.253	JQ	0.0602	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0651	JQ	0.0408	MDL	5.63	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 2:46:27 PM

ADR version 1.4.0.111

Page 1 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-006-SA6-SB-9.0-10.0

Collected: 8/4/2011 11:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDD	0.437	JQ	0.0584	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.588	JBQ	0.0484	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0975	JQ	0.0437	MDL	5.63	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.0721	JBQ	0.0448	MDL	5.63	PQL	ng/Kg	U	B
OCDD	1.11	JB	0.0483	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.205	JBQ	0.0782	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-010-SA6-SB-4.0-5.0

Collected: 8/5/2011 8:05:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.330	JB	0.0856	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0907	JBQ	0.0329	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0765	JQ	0.0611	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0506	JQ	0.0308	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0469	JBQ	0.0290	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0612	JQ	0.0441	MDL	5.58	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.0482	JBQ	0.0419	MDL	5.58	PQL	ng/Kg	U	B
OCDD	1.09	JBQ	0.0707	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.106	JBQ	0.0906	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-014-SA6-SB-4.0-5.0

Collected: 8/4/2011 7:55:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.09	JB	0.0578	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.920	JB	0.0909	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.452	JQ	0.0821	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.933	J	0.0997	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.311	JQ	0.0674	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.302	J	0.0960	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.101	JBQ	0.0559	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	1.67	JQ	0.0677	MDL	5.51	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.293	J	0.0716	MDL	5.51	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.268	JBQ	0.0652	MDL	5.51	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.185	JQ	0.150	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	9.75	JB	0.0863	MDL	11.0	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 2:46:27 PM

ADR version 1.4.0.111

Page 2 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-014-SA6-SB-9.0-10.0

Collected: 8/4/2011 8:00:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.22	JBQ	0.132	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.188	JBQ	0.119	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.684	JQ	0.0989	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.00	J	0.126	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.354	J	0.0828	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.721	J	0.119	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.213	JBQ	0.0642	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.150	JQ	0.0930	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.843	JQ	0.0912	MDL	5.50	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.553	JQ	0.0849	MDL	5.50	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.383	JB	0.0855	MDL	5.50	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.356	JQ	0.183	MDL	1.10	PQL	ng/Kg	J	Z

Sample ID: SL-019-SA6-SB-4.0-5.0

Collected: 8/4/2011 11:05:00

Analysis Type: REA

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDF	1.79	C	0.0502	MDL	1.08	PQL	ng/Kg	J	FD

Sample ID: SL-019-SA6-SB-4.0-5.0

Collected: 8/4/2011 11:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.54	JB	0.0802	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.230	JBQ	0.0941	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	8.24		0.0919	MDL	5.41	PQL	ng/Kg	J	FD
1,2,3,6,7,8-HxCDD	1.79	J	0.0913	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	2.63	J	0.0838	MDL	5.41	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HxCDD	0.553	J	0.0898	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.717	JB	0.0709	MDL	5.41	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDD	0.170	JQ	0.0993	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.69	J	0.0839	MDL	5.41	PQL	ng/Kg	J	Z, FD
2,3,4,6,7,8-HxCDF	1.52	J	0.0780	MDL	5.41	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	3.13	JB	0.0761	MDL	5.41	PQL	ng/Kg	J	Z, FD
OCDD	1060	B	0.142	MDL	10.8	PQL	ng/Kg	J	FD
OCDF	14.7	B	0.0664	MDL	10.8	PQL	ng/Kg	J	FD

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 2:46:27 PM

ADR version 1.4.0.111

Page 3 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-019-SA6-SB-9.0-10.0

Collected: 8/4/2011 11:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.18	JB	0.0576	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.480	JBQ	0.0858	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.153	JBQ	0.0808	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.346	J	0.0765	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.650	J	0.0814	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.328	JQ	0.0675	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.300	JQ	0.0807	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.120	JB	0.0591	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.338	JQ	0.0833	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.613	JQ	0.0602	MDL	5.48	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.370	J	0.0699	MDL	5.48	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.430	JBQ	0.0577	MDL	5.48	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.157	JQ	0.122	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.138	JQ	0.130	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	5.23	JB	0.0819	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SL-022-SA6-SB-0.0-1.0

Collected: 8/5/2011 10:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.48	JBQ	0.102	MDL	5.23	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.353	JQ	0.0763	MDL	5.23	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.322	JQ	0.0754	MDL	5.23	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0960	JQ	0.0878	MDL	5.23	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	4.68	J	0.138	MDL	5.23	PQL	ng/Kg	J	Z

Sample ID: SL-023-SA6-SB-0.0-1.0

Collected: 8/5/2011 10:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.71	JB	0.0423	MDL	5.17	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.161	JBQ	0.0630	MDL	5.17	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0862	JBQ	0.0771	MDL	5.17	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.183	JQ	0.0568	MDL	5.17	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.282	JQ	0.0752	MDL	5.17	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.152	JQ	0.0459	MDL	5.17	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.252	JQ	0.0716	MDL	5.17	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 2:46:27 PM

ADR version 1.4.0.111

Page 4 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-023-SA6-SB-0.0-1.0

Collected: 8/5/2011 10:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDD	0.114	JQ	0.0669	MDL	5.17	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.522	J	0.0488	MDL	5.17	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.196	JQ	0.0567	MDL	5.17	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.198	JBQ	0.0465	MDL	5.17	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.106	JQ	0.100	MDL	1.03	PQL	ng/Kg	J	Z

Sample ID: SL-024-SA6-SB-4.0-5.0

Collected: 8/4/2011 2:50:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.355	JBQ	0.0619	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.108	JB	0.0250	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0710	JB	0.0326	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.169	JBQ	0.0502	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.158	JQ	0.0342	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.170	JQ	0.0517	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.209	J	0.0318	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.221	JQ	0.0501	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.184	JB	0.0303	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.317	JQ	0.0622	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.312	JQ	0.0386	MDL	5.39	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0956	JQ	0.0317	MDL	5.39	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.409	JB	0.0356	MDL	5.39	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.149	J	0.104	MDL	1.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.120	JQ	0.0810	MDL	1.08	PQL	ng/Kg	J	Z
OCDD	1.21	JB	0.0457	MDL	10.8	PQL	ng/Kg	U	B
OCDF	0.228	JBQ	0.0652	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-024-SA6-SB-9.0-10.0

Collected: 8/4/2011 2:55:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.83	JB	0.0794	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.412	JB	0.0300	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0783	JBQ	0.0484	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.103	JBQ	0.0581	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.129	JQ	0.0594	MDL	5.52	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 2:46:27 PM

ADR version 1.4.0.111

Page 5 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-024-SA6-SB-9.0-10.0

Collected: 8/4/2011 2:55:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDF	0.0548	JQ	0.0368	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.110	JQ	0.0568	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0652	JBQ	0.0364	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0409	JQ	0.0364	MDL	5.52	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0827	JQ	0.0392	MDL	5.52	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.118	JBQ	0.0392	MDL	5.52	PQL	ng/Kg	U	B
OCDF	1.08	JB	0.0666	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SL-025-SA6-SB-4.0-5.0

Collected: 8/4/2011 9:00:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.349	JB	0.0672	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0725	JBQ	0.0238	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0477	JQ	0.0321	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0550	JBQ	0.0316	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0485	JQ	0.0413	MDL	5.32	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.0753	JBQ	0.0373	MDL	5.32	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0981	JQ	0.0910	MDL	1.06	PQL	ng/Kg	J	Z
OCDD	3.03	JB	0.0383	MDL	10.6	PQL	ng/Kg	J	Z
OCDF	0.123	JBQ	0.0675	MDL	10.6	PQL	ng/Kg	U	B

Sample ID: SL-025-SA6-SB-9.0-10.0

Collected: 8/4/2011 9:05:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.348	JBQ	0.0683	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0625	JBQ	0.0305	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0394	JQ	0.0311	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.0782	JQ	0.0489	MDL	5.45	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.0667	JB	0.0357	MDL	5.45	PQL	ng/Kg	U	B
OCDD	0.822	JBQ	0.0476	MDL	10.9	PQL	ng/Kg	U	B
OCDF	0.158	JBQ	0.0661	MDL	10.9	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 2:46:27 PM

ADR version 1.4.0.111

Page 6 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-060-SA5DN-SB-4.0-5.0

Collected: 8/5/2011 11:32:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.882	JBQ	0.0669	MDL	5.03	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.166	JBQ	0.0191	MDL	5.03	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.111	JBQ	0.0357	MDL	5.03	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0699	JBQ	0.0505	MDL	5.03	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0990	J	0.0677	MDL	5.03	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.131	JQ	0.0477	MDL	5.03	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.108	JQ	0.0572	MDL	5.03	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.112	JQ	0.0457	MDL	5.03	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.155	JBQ	0.0583	MDL	5.03	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0977	JQ	0.0428	MDL	5.03	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.103	J	0.0618	MDL	5.03	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.0635	JB	0.0440	MDL	5.03	PQL	ng/Kg	U	B
OCDD	9.27	JB	0.0567	MDL	10.1	PQL	ng/Kg	J	Z
OCDF	0.388	JBQ	0.0676	MDL	10.1	PQL	ng/Kg	U	B

Sample ID: SL-060-SA5DN-SB-7.0-8.0

Collected: 8/5/2011 1:05:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.529	JB	0.0693	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0815	JBQ	0.0237	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0646	JBQ	0.0410	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0519	JQ	0.0461	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.0781	JQ	0.0535	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0929	JBQ	0.0405	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0891	JBQ	0.0427	MDL	5.72	PQL	ng/Kg	U	B
OCDD	4.62	JB	0.0424	MDL	11.4	PQL	ng/Kg	J	Z
OCDF	0.350	JBQ	0.0838	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-114-SA6-SB-4.0-5.0

Collected: 8/5/2011 3:05:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.443	JB	0.0714	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0830	JB	0.0256	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0852	JQ	0.0377	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.0925	J	0.0515	MDL	5.27	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 2:46:27 PM

ADR version 1.4.0.111

Page 7 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-114-SA6-SB-4.0-5.0

Collected: 8/5/2011 3:05:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDF	0.0316	JQ	0.0305	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.187	J	0.0496	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0780	JBQ	0.0376	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.184	J	0.0731	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.167	JQ	0.0384	MDL	5.27	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0513	J	0.0352	MDL	5.27	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.160	JBQ	0.0377	MDL	5.27	PQL	ng/Kg	U	B
OCDD	0.935	JBQ	0.0571	MDL	10.5	PQL	ng/Kg	U	B
OCDF	0.156	JBQ	0.0858	MDL	10.5	PQL	ng/Kg	U	B

Sample ID: SL-114-SA6-SB-9.0-10.0

Collected: 8/5/2011 3:15:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.222	JB	0.0670	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0777	JBQ	0.0246	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0485	JBQ	0.0399	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0397	JQ	0.0310	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.0860	J	0.0496	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0716	J	0.0268	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.0595	JQ	0.0465	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0420	JBQ	0.0254	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0870	J	0.0647	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.199	JQ	0.0453	MDL	5.50	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0710	JQ	0.0264	MDL	5.50	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.101	JBQ	0.0447	MDL	5.50	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.110	JQ	0.0773	MDL	1.10	PQL	ng/Kg	J	Z
OCDD	0.733	JBQ	0.0437	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.127	JBQ	0.0770	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-198-SA5DN-SB-4.0-5.0

Collected: 8/5/2011 8:49:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.13	JB	0.0392	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.111	JB	0.0760	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.222	JBQ	0.0738	MDL	5.80	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 2:46:27 PM

ADR version 1.4.0.111

Page 8 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-198-SA5DN-SB-4.0-5.0

Collected: 8/5/2011 8:49:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.211	JQ	0.0769	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.636	J	0.0755	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.147	JQ	0.0620	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.882	JQ	0.0738	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.982	JB	0.0757	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.130	J	0.0686	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.752	J	0.0430	MDL	5.80	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.140	J	0.0699	MDL	5.80	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.161	JBQ	0.0440	MDL	5.80	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.143	JQ	0.0879	MDL	1.16	PQL	ng/Kg	J	Z
OCDF	5.79	JB	0.0773	MDL	11.6	PQL	ng/Kg	J	Z

Sample ID: SL-198-SA5DN-SB-9.0-10.0

Collected: 8/5/2011 9:13:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.34	JB	0.0378	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.189	JBQ	0.0808	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0875	JQ	0.0564	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.200	JQ	0.0683	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0874	JQ	0.0438	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.194	JQ	0.0648	MDL	5.33	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.145	JQ	0.0502	MDL	5.33	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.0592	JB	0.0357	MDL	5.33	PQL	ng/Kg	U	B
OCDF	4.33	JBQ	0.0921	MDL	10.7	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 2:46:27 PM

ADR version 1.4.0.111

Page 9 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Laboratory Triplicate Precision
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*#	Professional Judgment
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 2:46:27 PM

ADR version 1.4.0.111

Page 10 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation
Q	Matrix Spike Upper Rejection

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 2:46:27 PM

ADR version 1.4.0.111

Page 11 of 12

Data Qualifier Summary

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 2:46:27 PM

ADR version 1.4.0.111

Page 12 of 12

Enclosure I

Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX125

Method Blank Outlier Report

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK2300B371838	8/19/2011 6:38:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HXCDF 2,3,4,7,8-PECDF OCDD OCDF	0.238 ng/Kg 0.0694 ng/Kg 0.0615 ng/Kg 0.103 ng/Kg 0.0418 ng/Kg 0.0660 ng/Kg 0.596 ng/Kg 0.136 ng/Kg	DUP11-SA6-QC-080411 SL-006-SA6-SB-4.0-5.0 SL-006-SA6-SB-9.0-10.0 SL-010-SA6-SB-4.0-5.0 SL-014-SA6-SB-4.0-5.0 SL-014-SA6-SB-9.0-10.0 SL-019-SA6-SB-4.0-5.0 SL-019-SA6-SB-9.0-10.0 SL-022-SA6-SB-0.0-1.0 SL-023-SA6-SB-0.0-1.0 SL-024-SA6-SB-4.0-5.0 SL-024-SA6-SB-9.0-10.0 SL-025-SA6-SB-4.0-5.0 SL-025-SA6-SB-9.0-10.0 SL-060-SA5DN-SB-4.0-5.0 SL-060-SA5DN-SB-7.0-8.0 SL-114-SA6-SB-4.0-5.0 SL-114-SA6-SB-9.0-10.0 SL-198-SA5DN-SB-4.0-5.0 SL-198-SA5DN-SB-9.0-10.0

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP11-SA6-QC-080411(RES)	1,2,3,4,7,8-HxCDD	0.270 ng/Kg	0.270U ng/Kg
DUP11-SA6-QC-080411(RES)	1,2,3,7,8,9-HXCDF	0.189 ng/Kg	0.189U ng/Kg
SL-006-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.363 ng/Kg	0.363U ng/Kg
SL-006-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0438 ng/Kg	0.0438U ng/Kg
SL-006-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0503 ng/Kg	0.0503U ng/Kg
SL-006-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0454 ng/Kg	0.0454U ng/Kg
SL-006-SA6-SB-4.0-5.0(RES)	OCDD	0.691 ng/Kg	0.691U ng/Kg
SL-006-SA6-SB-4.0-5.0(RES)	OCDF	0.119 ng/Kg	0.119U ng/Kg
SL-006-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.488 ng/Kg	0.488U ng/Kg
SL-006-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0850 ng/Kg	0.0850U ng/Kg
SL-006-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0465 ng/Kg	0.0465U ng/Kg
SL-006-SA6-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0721 ng/Kg	0.0721U ng/Kg
SL-006-SA6-SB-9.0-10.0(RES)	OCDD	1.11 ng/Kg	1.11U ng/Kg
SL-006-SA6-SB-9.0-10.0(RES)	OCDF	0.205 ng/Kg	0.205U ng/Kg
SL-010-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.330 ng/Kg	0.330U ng/Kg
SL-010-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0907 ng/Kg	0.0907U ng/Kg
SL-010-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0469 ng/Kg	0.0469U ng/Kg
SL-010-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0482 ng/Kg	0.0482U ng/Kg
SL-010-SA6-SB-4.0-5.0(RES)	OCDD	1.09 ng/Kg	1.09U ng/Kg
SL-010-SA6-SB-4.0-5.0(RES)	OCDF	0.106 ng/Kg	0.106U ng/Kg
SL-014-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.101 ng/Kg	0.101U ng/Kg
SL-014-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.268 ng/Kg	0.268U ng/Kg
SL-014-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.188 ng/Kg	0.188U ng/Kg
SL-019-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.230 ng/Kg	0.230U ng/Kg
SL-019-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.153 ng/Kg	0.153U ng/Kg
SL-019-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.120 ng/Kg	0.120U ng/Kg
SL-023-SA6-SB-0.0-1.0(RES)	1,2,3,4,7,8,9-HPCDF	0.161 ng/Kg	0.161U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 2:46:08 PM

ADR version 1.4.0.111

Page 1 of 3

Method Blank Outlier Report

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-023-SA6-SB-0.0-1.0(RES)	1,2,3,4,7,8-HxCDD	0.0862 ng/Kg	0.0862U ng/Kg
SL-023-SA6-SB-0.0-1.0(RES)	2,3,4,7,8-PECDF	0.198 ng/Kg	0.198U ng/Kg
SL-024-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.355 ng/Kg	0.355U ng/Kg
SL-024-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.108 ng/Kg	0.108U ng/Kg
SL-024-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0710 ng/Kg	0.0710U ng/Kg
SL-024-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.169 ng/Kg	0.169U ng/Kg
SL-024-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.184 ng/Kg	0.184U ng/Kg
SL-024-SA6-SB-4.0-5.0(RES)	OCDD	1.21 ng/Kg	1.21U ng/Kg
SL-024-SA6-SB-4.0-5.0(RES)	OCDF	0.228 ng/Kg	0.228U ng/Kg
SL-024-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0783 ng/Kg	0.0783U ng/Kg
SL-024-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.103 ng/Kg	0.103U ng/Kg
SL-024-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.0652 ng/Kg	0.0652U ng/Kg
SL-024-SA6-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.118 ng/Kg	0.118U ng/Kg
SL-025-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.349 ng/Kg	0.349U ng/Kg
SL-025-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0725 ng/Kg	0.0725U ng/Kg
SL-025-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0550 ng/Kg	0.0550U ng/Kg
SL-025-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0753 ng/Kg	0.0753U ng/Kg
SL-025-SA6-SB-4.0-5.0(RES)	OCDF	0.123 ng/Kg	0.123U ng/Kg
SL-025-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.348 ng/Kg	0.348U ng/Kg
SL-025-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0625 ng/Kg	0.0625U ng/Kg
SL-025-SA6-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0667 ng/Kg	0.0667U ng/Kg
SL-025-SA6-SB-9.0-10.0(RES)	OCDD	0.822 ng/Kg	0.822U ng/Kg
SL-025-SA6-SB-9.0-10.0(RES)	OCDF	0.158 ng/Kg	0.158U ng/Kg
SL-060-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.882 ng/Kg	0.882U ng/Kg
SL-060-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.166 ng/Kg	0.166U ng/Kg
SL-060-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.111 ng/Kg	0.111U ng/Kg
SL-060-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0699 ng/Kg	0.0699U ng/Kg
SL-060-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.155 ng/Kg	0.155U ng/Kg
SL-060-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0635 ng/Kg	0.0635U ng/Kg
SL-060-SA5DN-SB-4.0-5.0(RES)	OCDF	0.388 ng/Kg	0.388U ng/Kg
SL-060-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDD	0.529 ng/Kg	0.529U ng/Kg
SL-060-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0815 ng/Kg	0.0815U ng/Kg
SL-060-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0646 ng/Kg	0.0646U ng/Kg
SL-060-SA5DN-SB-7.0-8.0(RES)	1,2,3,7,8,9-HxCDF	0.0929 ng/Kg	0.0929U ng/Kg
SL-060-SA5DN-SB-7.0-8.0(RES)	2,3,4,7,8-PECDF	0.0891 ng/Kg	0.0891U ng/Kg
SL-060-SA5DN-SB-7.0-8.0(RES)	OCDF	0.350 ng/Kg	0.350U ng/Kg
SL-114-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.443 ng/Kg	0.443U ng/Kg
SL-114-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0830 ng/Kg	0.0830U ng/Kg
SL-114-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0780 ng/Kg	0.0780U ng/Kg
SL-114-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.160 ng/Kg	0.160U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 2:46:08 PM

ADR version 1.4.0.111

Page 2 of 3

Method Blank Outlier Report

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
---------------------------	---------------	---------	--------	-----------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-114-SA6-SB-4.0-5.0(RES)	OCDD	0.935 ng/Kg	0.935U ng/Kg
SL-114-SA6-SB-4.0-5.0(RES)	OCDF	0.156 ng/Kg	0.156U ng/Kg
SL-114-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.222 ng/Kg	0.222U ng/Kg
SL-114-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0777 ng/Kg	0.0777U ng/Kg
SL-114-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0485 ng/Kg	0.0485U ng/Kg
SL-114-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0420 ng/Kg	0.0420U ng/Kg
SL-114-SA6-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.101 ng/Kg	0.101U ng/Kg
SL-114-SA6-SB-9.0-10.0(RES)	OCDD	0.733 ng/Kg	0.733U ng/Kg
SL-114-SA6-SB-9.0-10.0(RES)	OCDF	0.127 ng/Kg	0.127U ng/Kg
SL-198-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.111 ng/Kg	0.111U ng/Kg
SL-198-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.222 ng/Kg	0.222U ng/Kg
SL-198-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.161 ng/Kg	0.161U ng/Kg
SL-198-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.189 ng/Kg	0.189U ng/Kg
SL-198-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0592 ng/Kg	0.0592U ng/Kg

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

<i>QC Sample ID (Associated Samples)</i>	<i>Compound</i>	<i>MS %R</i>	<i>MSD %R</i>	<i>%R Limits</i>	<i>RPD (Limits)</i>	<i>Affected Compounds</i>	<i>Flag</i>
SL-019-SA6-SB-4.0-5.0 MS SL-019-SA6-SB-4.0-5.0 MSD (SL-019-SA6-SB-4.0-5.0)	OCDD	185	301	40.00-135.00	-	OCDD	No Qual, >4x

Field Duplicate RPD Report

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-019-SA6-SB-4.0-5.0	DUP11-SA6-QC-080411			
MOISTURE	8.8	8.4	5		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-019-SA6-SB-4.0-5.0	DUP11-SA6-QC-080411			
1,2,3,4,6,7,8-HPCDD	59.5	84.1	34	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	10.1	11.2	10	50.00	
1,2,3,4,7,8,9-HPCDF	1.54	2.05	28	50.00	
1,2,3,4,7,8-HxCDD	0.230	0.270	16	50.00	
1,2,3,6,7,8-HxCDD	1.79	2.23	22	50.00	
1,2,3,7,8,9-HxCDD	0.553	0.602	8	50.00	
1,2,3,7,8-PECDD	0.170	0.148	14	50.00	
2,3,4,6,7,8-HxCDF	1.52	0.967	44	50.00	
1,2,3,4,7,8-HxCDF	8.24	0.928	160	50.00	J(all detects)
1,2,3,6,7,8-HxCDF	2.63	0.798	107	50.00	
1,2,3,7,8,9-HxCDF	0.717	0.189	117	50.00	
1,2,3,7,8-PECDF	1.69	0.755	76	50.00	
2,3,4,7,8-PECDF	3.13	0.603	135	50.00	
2,3,7,8-TCDF	1.79	0.274	147	50.00	
OCDD	1060	1990	61	50.00	
OCDF	14.7	25.2	53	50.00	

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

12/21/2011 2:45:21 PM

ADR version 1.4.0.111

Page 1 of 1

Reporting Limit Outliers

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP11-SA6-QC-080411	1,2,3,4,7,8,9-HPCDF	JB	2.05	5.41	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.270	5.41	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	J	0.928	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	2.23	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	J	0.798	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.602	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.189	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.148	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.755	5.41	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JQ	0.967	5.41	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.603	5.41	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.274	1.08	PQL	ng/Kg	
SL-006-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.363	5.44	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0438	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JQ	0.0814	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.0770	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0503	5.44	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0454	5.44	PQL	ng/Kg	
	OCDD	JB	0.691	10.9	PQL	ng/Kg	
	OCDF	JBQ	0.119	10.9	PQL	ng/Kg	
SL-006-SA6-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.488	5.63	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0850	5.63	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0465	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.253	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JQ	0.0651	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.437	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.588	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0975	5.63	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0721	5.63	PQL	ng/Kg	
	OCDD	JB	1.11	11.3	PQL	ng/Kg	
	OCDF	JBQ	0.205	11.3	PQL	ng/Kg	
SL-010-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.330	5.58	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0907	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.0765	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JQ	0.0506	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0469	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.0612	5.58	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0482	5.58	PQL	ng/Kg	
	OCDD	JBQ	1.09	11.2	PQL	ng/Kg	
	OCDF	JBQ	0.106	11.2	PQL	ng/Kg	
SL-014-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	4.09	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.920	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JQ	0.452	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	0.933	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JQ	0.311	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.302	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.101	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	1.67	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	J	0.293	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.268	5.51	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.185	1.10	PQL	ng/Kg	
	OCDF	JB	9.75	11.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-014-SA6-SB-9.0-10.0	1,2,3,4,7,8,9-HPCDF	JBQ	1.22	5.50	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	0.188	5.50	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JQ	0.684	5.50	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	2.00	5.50	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	J	0.354	5.50	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.721	5.50	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.213	5.50	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.150	5.50	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.843	5.50	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JQ	0.553	5.50	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.383	5.50	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.356	1.10	PQL	ng/Kg	
SL-019-SA6-SB-4.0-5.0	1,2,3,4,7,8,9-HPCDF	JB	1.54	5.41	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	0.230	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	1.79	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	J	2.63	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.553	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.717	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.170	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	1.69	5.41	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	J	1.52	5.41	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	3.13	5.41	PQL	ng/Kg	
SL-019-SA6-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDF	JB	2.18	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.480	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.153	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	J	0.346	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	0.650	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JQ	0.328	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.300	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.120	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.338	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.613	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	J	0.370	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.430	5.48	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.157	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.138	1.10	PQL	ng/Kg	
	OCDF	JB	5.23	11.0	PQL	ng/Kg	
SL-022-SA6-SB-0.0-1.0	1,2,3,4,6,7,8-HPCDD	JBQ	3.48	5.23	PQL	ng/Kg	J (all detects)
	1,2,3,6,7,8-HxCDD	JQ	0.353	5.23	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.322	5.23	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0960	5.23	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	4.68	5.23	PQL	ng/Kg	
SL-023-SA6-SB-0.0-1.0	1,2,3,4,6,7,8-HPCDF	JB	2.71	5.17	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.161	5.17	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0862	5.17	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JQ	0.183	5.17	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.282	5.17	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JQ	0.152	5.17	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.252	5.17	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.114	5.17	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.522	5.17	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDD	JQ	0.196	5.17	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.198	5.17	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.106	1.03	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-024-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.355	5.39	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.108	5.39	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0710	5.39	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.169	5.39	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JQ	0.158	5.39	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.170	5.39	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	J	0.209	5.39	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.221	5.39	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.184	5.39	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.317	5.39	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.312	5.39	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JQ	0.0956	5.39	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.409	5.39	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.149	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.120	1.08	PQL	ng/Kg	
	OCDD	JB	1.21	10.8	PQL	ng/Kg	
	OCDF	JBQ	0.228	10.8	PQL	ng/Kg	
SL-024-SA6-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	2.83	5.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.412	5.52	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0783	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.103	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.129	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JQ	0.0548	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.110	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0652	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0409	5.52	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JQ	0.0827	5.52	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.118	5.52	PQL	ng/Kg	
	OCDF	JB	1.08	11.0	PQL	ng/Kg	
SL-025-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.349	5.32	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0725	5.32	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JQ	0.0477	5.32	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0550	5.32	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0485	5.32	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0753	5.32	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0981	1.06	PQL	ng/Kg	
	OCDD	JB	3.03	10.6	PQL	ng/Kg	
	OCDF	JBQ	0.123	10.6	PQL	ng/Kg	
SL-025-SA6-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.348	5.45	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0625	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JQ	0.0394	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.0782	5.45	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0667	5.45	PQL	ng/Kg	
	OCDD	JBQ	0.822	10.9	PQL	ng/Kg	
	OCDF	JBQ	0.158	10.9	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-060-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.882	5.03	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.166	5.03	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.111	5.03	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0699	5.03	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	J	0.0990	5.03	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.131	5.03	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JQ	0.108	5.03	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.112	5.03	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.155	5.03	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0977	5.03	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	J	0.103	5.03	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0635	5.03	PQL	ng/Kg	
	OCDD	JB	9.27	10.1	PQL	ng/Kg	
	OCDF	JBQ	0.388	10.1	PQL	ng/Kg	
SL-060-SA5DN-SB-7.0-8.0	1,2,3,4,6,7,8-HPCDD	JB	0.529	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0815	5.72	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0646	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JQ	0.0519	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.0781	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0929	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0891	5.72	PQL	ng/Kg	
	OCDD	JB	4.62	11.4	PQL	ng/Kg	
SL-114-SA6-SB-4.0-5.0	OCDF	JBQ	0.350	11.4	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDD	JB	0.443	5.27	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.0830	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JQ	0.0852	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	0.0925	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JQ	0.0316	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.187	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0780	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.184	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.167	5.27	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	J	0.0513	5.27	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.160	5.27	PQL	ng/Kg	
	OCDD	JBQ	0.935	10.5	PQL	ng/Kg	
	OCDF	JBQ	0.156	10.5	PQL	ng/Kg	
SL-114-SA6-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.222	5.50	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0777	5.50	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0485	5.50	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JQ	0.0397	5.50	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	0.0860	5.50	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	J	0.0716	5.50	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.0595	5.50	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0420	5.50	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0870	5.50	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.199	5.50	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JQ	0.0710	5.50	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.101	5.50	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.110	1.10	PQL	ng/Kg	
	OCDD	JBQ	0.733	11.0	PQL	ng/Kg	
	OCDF	JBQ	0.127	11.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX125

Laboratory: LL

EDD Filename: DX125_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-198-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	2.13	5.80	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.111	5.80	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.222	5.80	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JQ	0.211	5.80	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.636	5.80	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JQ	0.147	5.80	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.882	5.80	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.982	5.80	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.130	5.80	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.752	5.80	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	J	0.140	5.80	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.161	5.80	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.143	1.16	PQL	ng/Kg	
	OCDF	JB	5.79	11.6	PQL	ng/Kg	
SL-198-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDF	JB	1.34	5.33	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.189	5.33	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JQ	0.0875	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.200	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JQ	0.0874	5.33	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.194	5.33	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JQ	0.145	5.33	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0592	5.33	PQL	ng/Kg	
	OCDF	JBQ	4.33	10.7	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX126

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
08-Aug-2011	SL-273-SA6-SB-4.0-5.0	6369644	N	METHOD	1613B	IV
08-Aug-2011	SL-273-SA6-SB-9.0-10.0	6369645	N	METHOD	1613B	IV
08-Aug-2011	SL-153-SA5DN-SB-4.0-5.0	6369642	N	METHOD	1613B	IV
08-Aug-2011	SL-153-SA5DN-SB-7.0-8.0	6369643	N	METHOD	1613B	IV
08-Aug-2011	SL-083-SA5DN-SB-4.0-5.0	6369641	N	METHOD	1613B	IV
08-Aug-2011	SL-031-SA6-SB-4.0-5.0	6369646	N	METHOD	1613B	IV
08-Aug-2011	SL-031-SA6-SB-9.0-10.0	6369647	N	METHOD	1613B	IV
09-Aug-2011	SL-044-SA6-SB-2.5-3.5	6371379	N	METHOD	1613B	IV
09-Aug-2011	SL-012-SA5DN-SB-4.0-5.0	6371383	N	METHOD	1613B	IV
09-Aug-2011	SL-012-SA5DN-SB-9.0-10.0	6371384	N	METHOD	1613B	IV
09-Aug-2011	SL-042-SA6-SB-2.5-3.5	6371378	N	METHOD	1613B	IV
09-Aug-2011	SL-011-SA5DN-SB-4.0-5.0	6371382	N	METHOD	1613B	IV
09-Aug-2011	EB-SA6-SB-080911	6371381	EB	METHOD	1613B	IV
09-Aug-2011	SL-049-SA6-SB-2.5-3.5	6371380	N	METHOD	1613B	IV
09-Aug-2011	SL-009-SA5DN-SB-4.0-5.0	6371385	N	METHOD	1613B	IV
09-Aug-2011	SL-009-SA5DN-SB-4.0-5.0MS	6371386	MS	METHOD	1613B	IV
09-Aug-2011	DUP24-SA5DN-QC-080911	6371389	FD	METHOD	1613B	IV
09-Aug-2011	SL-009-SA5DN-SB-9.0-10.0	6371388	N	METHOD	1613B	IV

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX126

Laboratory: LL

EDD Filename: DX126_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	GENCHEM
Method:	1613B
Matrix:	AQ

Sample ID: EB-SA6-SB-080911

Collected: 8/9/2011 1:00:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	4.38	JB	0.137	MDL	9.59	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	0.650	JB	0.0665	MDL	9.59	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.550	JBQ	0.0789	MDL	9.59	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.216	JBQ	0.0682	MDL	9.59	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	0.366	JBQ	0.116	MDL	9.59	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.223	JBQ	0.0665	MDL	9.59	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.452	JBQ	0.115	MDL	9.59	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.238	JBQ	0.115	MDL	9.59	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.163	JBQ	0.0657	MDL	9.59	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.162	JBQ	0.0603	MDL	9.59	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.292	JBQ	0.0549	MDL	9.59	PQL	pg/L	U	B
2,3,7,8-TCDD	0.344	JBQ	0.112	MDL	1.92	PQL	pg/L	U	B
OCDD	7.99	JBQ	0.139	MDL	19.2	PQL	pg/L	U	B
OCDF	1.02	JB	0.121	MDL	19.2	PQL	pg/L	U	B

Method Category:	GENCHEM
Method:	1613B
Matrix:	SO

Sample ID: DUP24-SA5DN-QC-080911

Collected: 8/9/2011 3:28:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.699	JB	0.0455	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.122	JB	0.0220	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0441	JBQ	0.0279	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.0520	JQ	0.0365	MDL	5.51	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HXCDF	0.0763	JBQ	0.0255	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HXCDD	0.0589	JBQ	0.0366	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0357	JBQ	0.0231	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDD	0.0440	JB	0.0355	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDF	0.0396	JQ	0.0195	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.140	JBQ	0.0519	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.0543	JQ	0.0257	MDL	5.51	PQL	ng/Kg	J	Z, FD
2,3,4,6,7,8-HXCDF	0.0279	JBQ	0.0201	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.121	JQ	0.0258	MDL	5.51	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/4/2012 7:10:52 AM

ADR version 1.4.0.111

Page 1 of 11

Data Qualifier Summary

Lab Reporting Batch ID: DX126

Laboratory: LL

EDD Filename: DX126_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: DUP24-SA5DN-QC-080911

Collected: 8/9/2011 3:28:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDD	4.76	JB	0.0378	MDL	11.0	PQL	ng/Kg	J	Z
OCDF	0.273	JQ	0.0532	MDL	11.0	PQL	ng/Kg	J	Z, FD

Sample ID: SL-009-SA5DN-SB-4.0-5.0

Collected: 8/9/2011 3:25:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.555	JBQ	0.0646	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0752	JB	0.0263	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0371	U	0.0371	MDL	5.51	PQL	ng/Kg	UJ	FD
1,2,3,4,7,8-HxCDD	0.0410	U	0.0410	MDL	5.51	PQL	ng/Kg	UJ	FD
1,2,3,4,7,8-HXCDF	0.0284	U	0.0284	MDL	5.51	PQL	ng/Kg	UJ	FD
1,2,3,6,7,8-HxCDD	0.0715	JBQ	0.0427	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0234	U	0.0234	MDL	5.51	PQL	ng/Kg	UJ	FD
1,2,3,7,8,9-HxCDD	0.0813	JB	0.0427	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDF	0.0413	J	0.0222	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0639	U	0.0639	MDL	5.51	PQL	ng/Kg	UJ	FD
1,2,3,7,8-PECDF	0.125	JQ	0.0371	MDL	5.51	PQL	ng/Kg	J	Z, FD
2,3,4,6,7,8-HXCDF	0.0278	JBQ	0.0224	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.100	J	0.0360	MDL	5.51	PQL	ng/Kg	J	Z
OCDD	4.04	JB	0.0486	MDL	11.0	PQL	ng/Kg	J	Z
OCDF	0.140	JQ	0.0598	MDL	11.0	PQL	ng/Kg	J	Z, FD

Sample ID: SL-009-SA5DN-SB-9.0-10.0

Collected: 8/9/2011 4:15:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.08	JBQ	0.0626	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.187	JBQ	0.0296	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.127	JQ	0.0408	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.135	JB	0.0317	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.194	JBQ	0.0401	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.129	JB	0.0413	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0954	JQ	0.0253	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.277	JB	0.0557	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.221	JQ	0.0311	MDL	5.56	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.142	JBQ	0.0245	MDL	5.56	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/4/2012 7:10:52 AM

ADR version 1.4.0.111

Page 2 of 11

Data Qualifier Summary

Lab Reporting Batch ID: DX126

Laboratory: LL

EDD Filename: DX126_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-009-SA5DN-SB-9.0-10.0

Collected: 8/9/2011 4:15:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,7,8-PECDF	0.186	J	0.0277	MDL	5.56	PQL	ng/Kg	J	Z
OCDD	9.81	JB	0.0374	MDL	11.1	PQL	ng/Kg	J	Z
OCDF	0.381	J	0.0506	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-011-SA5DN-SB-4.0-5.0

Collected: 8/9/2011 11:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.429	JB	0.0674	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0885	JBQ	0.0261	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0521	JQ	0.0507	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.0755	JBQ	0.0494	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0752	JBQ	0.0478	MDL	5.60	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0395	JBQ	0.0287	MDL	5.60	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0642	JQ	0.0344	MDL	5.60	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.105	J	0.102	MDL	1.12	PQL	ng/Kg	J	Z
OCDD	3.03	JB	0.0524	MDL	11.2	PQL	ng/Kg	J	Z
OCDF	0.225	JQ	0.0789	MDL	11.2	PQL	ng/Kg	J	Z

Sample ID: SL-012-SA5DN-SB-4.0-5.0

Collected: 8/9/2011 8:50:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.13	JB	0.0689	MDL	5.04	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.148	JB	0.0320	MDL	5.04	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.102	JB	0.0456	MDL	5.04	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.108	JBQ	0.0445	MDL	5.04	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.104	JQ	0.0308	MDL	5.04	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0749	JBQ	0.0631	MDL	5.04	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0624	JQ	0.0356	MDL	5.04	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.0374	JQ	0.0343	MDL	5.04	PQL	ng/Kg	J	Z
OCDD	8.10	JB	0.0548	MDL	10.1	PQL	ng/Kg	J	Z
OCDF	0.534	J	0.0791	MDL	10.1	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/4/2012 7:10:52 AM

ADR version 1.4.0.111

Page 3 of 11

Data Qualifier Summary

Lab Reporting Batch ID: DX126

Laboratory: LL

EDD Filename: DX126_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-012-SA5DN-SB-9.0-10.0

Collected: 8/9/2011 9:30:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.913	JB	0.0508	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.110	JB	0.0221	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0600	JBQ	0.0364	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0380	JBQ	0.0287	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0236	JBQ	0.0236	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0566	JBQ	0.0387	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0363	JQ	0.0274	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0404	JQ	0.0328	MDL	5.80	PQL	ng/Kg	J	Z
OCDD	6.21	JB	0.0457	MDL	11.6	PQL	ng/Kg	J	Z
OCDF	0.182	JQ	0.0643	MDL	11.6	PQL	ng/Kg	J	Z

Sample ID: SL-031-SA6-SB-4.0-5.0

Collected: 8/8/2011 2:50:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.459	JBQ	0.0648	MDL	5.28	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.209	JBQ	0.0230	MDL	5.28	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0388	JB	0.0364	MDL	5.28	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0585	JQ	0.0531	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.106	JBQ	0.0472	MDL	5.28	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.197	JBQ	0.0537	MDL	5.28	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.101	JBQ	0.0398	MDL	5.28	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.316	JBQ	0.0510	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.232	J	0.0400	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.155	JBQ	0.0731	MDL	5.28	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.273	JQ	0.0410	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0634	JB	0.0357	MDL	5.28	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.216	J	0.0411	MDL	5.28	PQL	ng/Kg	J	Z
OCDD	2.31	JB	0.0460	MDL	10.6	PQL	ng/Kg	J	Z
OCDF	0.448	JQ	0.0752	MDL	10.6	PQL	ng/Kg	J	Z

Sample ID: SL-031-SA6-SB-9.0-10.0

Collected: 8/8/2011 3:00:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.321	JBQ	0.0577	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0700	JBQ	0.0202	MDL	5.44	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/4/2012 7:10:52 AM

ADR version 1.4.0.111

Page 4 of 11

Data Qualifier Summary

Lab Reporting Batch ID: DX126

Laboratory: LL

EDD Filename: DX126_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-031-SA6-SB-9.0-10.0

Collected: 8/8/2011 3:00:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.0586	JB	0.0317	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.189	JBQ	0.0413	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.227	JB	0.0420	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.190	JBQ	0.0338	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.282	JBQ	0.0406	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.224	J	0.0310	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.333	JB	0.0681	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.300	J	0.0364	MDL	5.44	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0811	JBQ	0.0300	MDL	5.44	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.280	JQ	0.0368	MDL	5.44	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0974	JQ	0.0824	MDL	1.09	PQL	ng/Kg	J	Z
OCDD	1.45	JB	0.0385	MDL	10.9	PQL	ng/Kg	J	Z
OCDF	0.145	J	0.0581	MDL	10.9	PQL	ng/Kg	J	Z

Sample ID: SL-042-SA6-SB-2.5-3.5

Collected: 8/9/2011 9:56:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.451	JBQ	0.0504	MDL	5.28	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0336	JBQ	0.0252	MDL	5.28	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.305	JBQ	0.0497	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0525	JBQ	0.0328	MDL	5.28	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.938	JB	0.0485	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.231	J	0.0262	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.134	JB	0.0759	MDL	5.28	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.117	J	0.0347	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0338	JBQ	0.0242	MDL	5.28	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0695	JQ	0.0345	MDL	5.28	PQL	ng/Kg	J	Z
OCDD	1.71	JBQ	0.0367	MDL	10.6	PQL	ng/Kg	J	Z
OCDF	0.152	J	0.0654	MDL	10.6	PQL	ng/Kg	J	Z

Sample ID: SL-044-SA6-SB-2.5-3.5

Collected: 8/9/2011 8:09:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.73	JB	0.0571	MDL	5.93	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0642	JBQ	0.0572	MDL	5.93	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/4/2012 7:10:52 AM

ADR version 1.4.0.111

Page 5 of 11

Data Qualifier Summary

Lab Reporting Batch ID: DX126

Laboratory: LL

EDD Filename: DX126_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-044-SA6-SB-2.5-3.5

Collected: 8/9/2011 8:09:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.221	JBQ	0.0912	MDL	5.93	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.626	JB	0.0731	MDL	5.93	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.160	JBQ	0.0721	MDL	5.93	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.420	JBQ	0.0701	MDL	5.93	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.122	JBQ	0.0700	MDL	5.93	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0862	JQ	0.0370	MDL	5.93	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.177	JBQ	0.0384	MDL	5.93	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0891	J	0.0342	MDL	5.93	PQL	ng/Kg	J	Z
OCDF	2.00	J	0.0700	MDL	11.9	PQL	ng/Kg	J	Z

Sample ID: SL-049-SA6-SB-2.5-3.5

Collected: 8/9/2011 2:15:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.596	JBQ	0.0565	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0463	JB	0.0213	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.153	JBQ	0.0492	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0324	JBQ	0.0274	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.318	JB	0.0467	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0880	JQ	0.0296	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0684	JBQ	0.0615	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0455	J	0.0336	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.0657	JQ	0.0326	MDL	5.34	PQL	ng/Kg	J	Z
OCDD	1.49	JBQ	0.0521	MDL	10.7	PQL	ng/Kg	J	Z
OCDF	0.126	J	0.0722	MDL	10.7	PQL	ng/Kg	J	Z

Sample ID: SL-083-SA5DN-SB-4.0-5.0

Collected: 8/8/2011 11:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.91	JB	0.0637	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.190	JB	0.0151	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0449	JQ	0.0342	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.0584	JQ	0.0424	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0504	JBQ	0.0251	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.191	JBQ	0.0445	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.231	JBQ	0.0444	MDL	5.56	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/4/2012 7:10:52 AM

ADR version 1.4.0.111

Page 6 of 11

Data Qualifier Summary

Lab Reporting Batch ID: DX126

Laboratory: LL

EDD Filename: DX126_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-083-SA5DN-SB-4.0-5.0

Collected: 8/8/2011 11:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	0.0701	JBQ	0.0314	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.111	JBQ	0.0298	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0369	JBQ	0.0237	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0869	JBQ	0.0288	MDL	5.56	PQL	ng/Kg	U	B
OCDF	0.751	J	0.0753	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-153-SA5DN-SB-4.0-5.0

Collected: 8/8/2011 8:34:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.195	JB	0.0709	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0366	JBQ	0.0313	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.271	JBQ	0.0578	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.383	JBQ	0.0555	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.849	J	0.0380	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.109	J	0.0475	MDL	5.67	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0387	JBQ	0.0373	MDL	5.67	PQL	ng/Kg	U	B
OCDD	0.939	JB	0.0493	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-153-SA5DN-SB-7.0-8.0

Collected: 8/8/2011 9:50:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.344	JB	0.0541	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0684	JBQ	0.0206	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0970	JQ	0.0529	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0418	JBQ	0.0386	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0802	JBQ	0.0517	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.149	JQ	0.0273	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0512	JQ	0.0371	MDL	5.55	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.0619	J	0.0371	MDL	5.55	PQL	ng/Kg	J	Z
OCDD	0.999	JB	0.0421	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.141	JQ	0.0637	MDL	11.1	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/4/2012 7:10:52 AM

ADR version 1.4.0.111

Page 7 of 11

Data Qualifier Summary

Lab Reporting Batch ID: DX126

Laboratory: LL

EDD Filename: DX126_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-273-SA6-SB-4.0-5.0

Collected: 8/8/2011 8:20:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.402	JB	0.0617	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0392	JB	0.0244	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0470	JBQ	0.0338	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0695	JBQ	0.0496	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0470	JBQ	0.0274	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0550	JQ	0.0285	MDL	5.25	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.0845	JQ	0.0398	MDL	5.25	PQL	ng/Kg	J	Z
OCDD	0.616	JBQ	0.0383	MDL	10.5	PQL	ng/Kg	U	B
OCDF	0.183	JQ	0.0677	MDL	10.5	PQL	ng/Kg	J	Z

Sample ID: SL-273-SA6-SB-9.0-10.0

Collected: 8/8/2011 8:30:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.478	JB	0.0663	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.131	JBQ	0.0247	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0495	JB	0.0352	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.109	JBQ	0.0541	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0856	JBQ	0.0370	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.226	JBQ	0.0528	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.129	J	0.0353	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0992	JQ	0.0389	MDL	5.65	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0332	JBQ	0.0296	MDL	5.65	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0772	JQ	0.0389	MDL	5.65	PQL	ng/Kg	J	Z
OCDD	1.09	JBQ	0.0381	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.228	JQ	0.0748	MDL	11.3	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/4/2012 7:10:52 AM

ADR version 1.4.0.111

Page 8 of 11

Data Qualifier Summary

Lab Reporting Batch ID: DX126

Laboratory: LL

EDD Filename: DX126_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Laboratory Triplicate Precision
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*#	Professional Judgment
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/4/2012 7:10:52 AM

ADR version 1.4.0.111

Page 9 of 11

Data Qualifier Summary

Lab Reporting Batch ID: DX126

Laboratory: LL

EDD Filename: DX126_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation
Q	Matrix Spike Upper Rejection

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/4/2012 7:10:52 AM

ADR version 1.4.0.111

Page 10 of 11

Data Qualifier Summary

Lab Reporting Batch ID: DX126

Laboratory: LL

EDD Filename: DX126_v1

eQAPP Name: CDM_SSFL_110509

R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/4/2012 7:10:52 AM

ADR version 1.4.0.111

Page 11 of 11

Enclosure I

Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX126

Method Blank Outlier Report

Lab Reporting Batch ID: DX126

Laboratory: LL

EDD Filename: DX126_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK2240B371404	8/16/2011 2:04:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD 2,3,7,8-TCDF OCDD OCDF	3.99 pg/L 0.817 pg/L 0.551 pg/L 0.200 pg/L 0.405 pg/L 0.373 pg/L 0.218 pg/L 0.458 pg/L 0.595 pg/L 0.437 pg/L 0.280 pg/L 0.268 pg/L 0.450 pg/L 0.457 pg/L 0.139 pg/L 8.97 pg/L 1.57 pg/L	EB-SA6-SB-080911

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
EB-SA6-SB-080911(RES)	1,2,3,4,6,7,8-HPCDD	4.38 pg/L	4.38U pg/L
EB-SA6-SB-080911(RES)	1,2,3,4,6,7,8-HPCDF	0.650 pg/L	0.650U pg/L
EB-SA6-SB-080911(RES)	1,2,3,4,7,8,9-HPCDF	0.550 pg/L	0.550U pg/L
EB-SA6-SB-080911(RES)	1,2,3,4,7,8-HxCDF	0.216 pg/L	0.216U pg/L
EB-SA6-SB-080911(RES)	1,2,3,6,7,8-HxCDD	0.366 pg/L	0.366U pg/L
EB-SA6-SB-080911(RES)	1,2,3,6,7,8-HxCDF	0.223 pg/L	0.223U pg/L
EB-SA6-SB-080911(RES)	1,2,3,7,8,9-HxCDD	0.452 pg/L	0.452U pg/L
EB-SA6-SB-080911(RES)	1,2,3,7,8-PECDD	0.238 pg/L	0.238U pg/L
EB-SA6-SB-080911(RES)	1,2,3,7,8-PECDF	0.163 pg/L	0.163U pg/L
EB-SA6-SB-080911(RES)	2,3,4,6,7,8-HxCDF	0.162 pg/L	0.162U pg/L
EB-SA6-SB-080911(RES)	2,3,4,7,8-PECDF	0.292 pg/L	0.292U pg/L
EB-SA6-SB-080911(RES)	2,3,7,8-TCDD	0.344 pg/L	0.344U pg/L
EB-SA6-SB-080911(RES)	OCDD	7.99 pg/L	7.99U pg/L
EB-SA6-SB-080911(RES)	OCDF	1.02 pg/L	1.02U pg/L

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK2310B371554	8/22/2011 3:54:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8-PECDD 2,3,4,6,7,8-HxCDF OCDD	0.206 ng/Kg 0.0461 ng/Kg 0.0425 ng/Kg 0.0624 ng/Kg 0.0497 ng/Kg 0.0816 ng/Kg 0.0511 ng/Kg 0.0911 ng/Kg 0.0440 ng/Kg 0.280 ng/Kg	DUP24-SA5DN-QC-080911 SL-009-SA5DN-SB-4.0-5.0 SL-009-SA5DN-SB-9.0-10.0 SL-011-SA5DN-SB-4.0-5.0 SL-012-SA5DN-SB-4.0-5.0 SL-012-SA5DN-SB-9.0-10.0 SL-031-SA6-SB-4.0-5.0 SL-031-SA6-SB-9.0-10.0 SL-042-SA6-SB-2.5-3.5 SL-044-SA6-SB-2.5-3.5 SL-049-SA6-SB-2.5-3.5 SL-153-SA5DN-SB-4.0-5.0 SL-153-SA5DN-SB-7.0-8.0 SL-273-SA6-SB-4.0-5.0 SL-273-SA6-SB-9.0-10.0

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/4/2012 7:10:07 AM

ADR version 1.4.0.111

Page 1 of 4

Method Blank Outlier Report

Lab Reporting Batch ID: DX126

Laboratory: LL

EDD Filename: DX126_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK2380B370305	8/30/2011 3:05:00 AM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8-HXCDF 1,2,3,6,7,8-HXCDD 1,2,3,6,7,8-HXCDF 1,2,3,7,8,9-HXCDD 1,2,3,7,8,9-HXCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HXCDF 2,3,4,7,8-PECDF OCDD	0.236 ng/Kg 0.0494 ng/Kg 0.0519 ng/Kg 0.0513 ng/Kg 0.0537 ng/Kg 0.0428 ng/Kg 0.0356 ng/Kg 0.0682 ng/Kg 0.0365 ng/Kg 0.0234 ng/Kg 0.0544 ng/Kg 0.426 ng/Kg	SL-083-SA5DN-SB-4.0-5.0

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP24-SA5DN-QC-080911(RES)	1,2,3,4,6,7,8-HPCDD	0.699 ng/Kg	0.699U ng/Kg
DUP24-SA5DN-QC-080911(RES)	1,2,3,4,6,7,8-HPCDF	0.122 ng/Kg	0.122U ng/Kg
DUP24-SA5DN-QC-080911(RES)	1,2,3,4,7,8,9-HPCDF	0.0441 ng/Kg	0.0441U ng/Kg
DUP24-SA5DN-QC-080911(RES)	1,2,3,4,7,8-HXCDF	0.0763 ng/Kg	0.0763U ng/Kg
DUP24-SA5DN-QC-080911(RES)	1,2,3,6,7,8-HXCDD	0.0589 ng/Kg	0.0589U ng/Kg
DUP24-SA5DN-QC-080911(RES)	1,2,3,6,7,8-HXCDF	0.0357 ng/Kg	0.0357U ng/Kg
DUP24-SA5DN-QC-080911(RES)	1,2,3,7,8,9-HXCDD	0.0440 ng/Kg	0.0440U ng/Kg
DUP24-SA5DN-QC-080911(RES)	1,2,3,7,8-PECDD	0.140 ng/Kg	0.140U ng/Kg
DUP24-SA5DN-QC-080911(RES)	2,3,4,6,7,8-HXCDF	0.0279 ng/Kg	0.0279U ng/Kg
SL-009-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.555 ng/Kg	0.555U ng/Kg
SL-009-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0752 ng/Kg	0.0752U ng/Kg
SL-009-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0715 ng/Kg	0.0715U ng/Kg
SL-009-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0813 ng/Kg	0.0813U ng/Kg
SL-009-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0278 ng/Kg	0.0278U ng/Kg
SL-009-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.187 ng/Kg	0.187U ng/Kg
SL-009-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.135 ng/Kg	0.135U ng/Kg
SL-009-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.194 ng/Kg	0.194U ng/Kg
SL-009-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.129 ng/Kg	0.129U ng/Kg
SL-009-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.277 ng/Kg	0.277U ng/Kg
SL-009-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.142 ng/Kg	0.142U ng/Kg
SL-011-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.429 ng/Kg	0.429U ng/Kg
SL-011-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0885 ng/Kg	0.0885U ng/Kg
SL-011-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0755 ng/Kg	0.0755U ng/Kg
SL-011-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0752 ng/Kg	0.0752U ng/Kg
SL-011-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0395 ng/Kg	0.0395U ng/Kg
SL-012-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.148 ng/Kg	0.148U ng/Kg
SL-012-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.102 ng/Kg	0.102U ng/Kg
SL-012-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.108 ng/Kg	0.108U ng/Kg
SL-012-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0749 ng/Kg	0.0749U ng/Kg
SL-012-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.913 ng/Kg	0.913U ng/Kg
SL-012-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.110 ng/Kg	0.110U ng/Kg
SL-012-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0600 ng/Kg	0.0600U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/4/2012 7:10:07 AM

ADR version 1.4.0.111

Page 2 of 4

Method Blank Outlier Report

Lab Reporting Batch ID: DX126

Laboratory: LL

EDD Filename: DX126_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-012-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0380 ng/Kg	0.0380U ng/Kg
SL-012-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0236 ng/Kg	0.0236U ng/Kg
SL-012-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0566 ng/Kg	0.0566U ng/Kg
SL-031-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.459 ng/Kg	0.459U ng/Kg
SL-031-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.209 ng/Kg	0.209U ng/Kg
SL-031-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0388 ng/Kg	0.0388U ng/Kg
SL-031-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.106 ng/Kg	0.106U ng/Kg
SL-031-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.197 ng/Kg	0.197U ng/Kg
SL-031-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.101 ng/Kg	0.101U ng/Kg
SL-031-SA6-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.155 ng/Kg	0.155U ng/Kg
SL-031-SA6-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0634 ng/Kg	0.0634U ng/Kg
SL-031-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.321 ng/Kg	0.321U ng/Kg
SL-031-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0700 ng/Kg	0.0700U ng/Kg
SL-031-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0586 ng/Kg	0.0586U ng/Kg
SL-031-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.189 ng/Kg	0.189U ng/Kg
SL-031-SA6-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.227 ng/Kg	0.227U ng/Kg
SL-031-SA6-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.190 ng/Kg	0.190U ng/Kg
SL-031-SA6-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.333 ng/Kg	0.333U ng/Kg
SL-031-SA6-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0811 ng/Kg	0.0811U ng/Kg
SL-042-SA6-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDD	0.451 ng/Kg	0.451U ng/Kg
SL-042-SA6-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0336 ng/Kg	0.0336U ng/Kg
SL-042-SA6-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDF	0.0525 ng/Kg	0.0525U ng/Kg
SL-042-SA6-SB-2.5-3.5(RES)	1,2,3,7,8-PECDD	0.134 ng/Kg	0.134U ng/Kg
SL-042-SA6-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.0338 ng/Kg	0.0338U ng/Kg
SL-044-SA6-SB-2.5-3.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0642 ng/Kg	0.0642U ng/Kg
SL-044-SA6-SB-2.5-3.5(RES)	1,2,3,4,7,8-HXCDF	0.221 ng/Kg	0.221U ng/Kg
SL-044-SA6-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDF	0.160 ng/Kg	0.160U ng/Kg
SL-044-SA6-SB-2.5-3.5(RES)	1,2,3,7,8-PECDD	0.122 ng/Kg	0.122U ng/Kg
SL-044-SA6-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.177 ng/Kg	0.177U ng/Kg
SL-049-SA6-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDD	0.596 ng/Kg	0.596U ng/Kg
SL-049-SA6-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0463 ng/Kg	0.0463U ng/Kg
SL-049-SA6-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDD	0.153 ng/Kg	0.153U ng/Kg
SL-049-SA6-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDF	0.0324 ng/Kg	0.0324U ng/Kg
SL-049-SA6-SB-2.5-3.5(RES)	1,2,3,7,8-PECDD	0.0684 ng/Kg	0.0684U ng/Kg
SL-083-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.190 ng/Kg	0.190U ng/Kg
SL-083-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0504 ng/Kg	0.0504U ng/Kg
SL-083-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.191 ng/Kg	0.191U ng/Kg
SL-083-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0701 ng/Kg	0.0701U ng/Kg
SL-083-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.111 ng/Kg	0.111U ng/Kg
SL-083-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0369 ng/Kg	0.0369U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/4/2012 7:10:07 AM

ADR version 1.4.0.111

Page 3 of 4

Method Blank Outlier Report

Lab Reporting Batch ID: DX126

Laboratory: LL

EDD Filename: DX126_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-083-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0869 ng/Kg	0.0869U ng/Kg
SL-153-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.195 ng/Kg	0.195U ng/Kg
SL-153-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0366 ng/Kg	0.0366U ng/Kg
SL-153-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0387 ng/Kg	0.0387U ng/Kg
SL-153-SA5DN-SB-4.0-5.0(RES)	OCDD	0.939 ng/Kg	0.939U ng/Kg
SL-153-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDD	0.344 ng/Kg	0.344U ng/Kg
SL-153-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0684 ng/Kg	0.0684U ng/Kg
SL-153-SA5DN-SB-7.0-8.0(RES)	1,2,3,4,7,8-HXCDF	0.0418 ng/Kg	0.0418U ng/Kg
SL-153-SA5DN-SB-7.0-8.0(RES)	1,2,3,6,7,8-HXCDD	0.0802 ng/Kg	0.0802U ng/Kg
SL-153-SA5DN-SB-7.0-8.0(RES)	OCDD	0.999 ng/Kg	0.999U ng/Kg
SL-273-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.402 ng/Kg	0.402U ng/Kg
SL-273-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0392 ng/Kg	0.0392U ng/Kg
SL-273-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0470 ng/Kg	0.0470U ng/Kg
SL-273-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0695 ng/Kg	0.0695U ng/Kg
SL-273-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0470 ng/Kg	0.0470U ng/Kg
SL-273-SA6-SB-4.0-5.0(RES)	OCDD	0.616 ng/Kg	0.616U ng/Kg
SL-273-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.478 ng/Kg	0.478U ng/Kg
SL-273-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.131 ng/Kg	0.131U ng/Kg
SL-273-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0495 ng/Kg	0.0495U ng/Kg
SL-273-SA6-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.109 ng/Kg	0.109U ng/Kg
SL-273-SA6-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0856 ng/Kg	0.0856U ng/Kg
SL-273-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.226 ng/Kg	0.226U ng/Kg
SL-273-SA6-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0332 ng/Kg	0.0332U ng/Kg
SL-273-SA6-SB-9.0-10.0(RES)	OCDD	1.09 ng/Kg	1.09U ng/Kg

Field Duplicate RPD Report

Lab Reporting Batch ID: DX126

Laboratory: LL

EDD Filename: DX126_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-009-SA5DN-SB-4.0-5.0	DUP24-SA5DN-QC-080911			
MOISTURE	9.8	10.9	11		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-009-SA5DN-SB-4.0-5.0	DUP24-SA5DN-QC-080911			
1,2,3,4,6,7,8-HPCDD	0.555	0.699	23	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	0.0752	0.122	47	50.00	
1,2,3,6,7,8-HXCDD	0.0715	0.0589	19	50.00	
1,2,3,7,8,9-HXCDF	0.0413	0.0396	4	50.00	
2,3,4,6,7,8-HXCDF	0.0278	0.0279	0	50.00	
2,3,4,7,8-PECDF	0.100	0.121	19	50.00	
OCDD	4.04	4.76	16	50.00	
1,2,3,4,7,8,9-HPCDF	5.51 U	0.0441	200	50.00	J(all detects) UJ(all non-detects)
1,2,3,4,7,8-HxCDD	5.51 U	0.0520	200	50.00	
1,2,3,4,7,8-HXCDF	5.51 U	0.0763	200	50.00	
1,2,3,6,7,8-HXCDF	5.51 U	0.0357	200	50.00	
1,2,3,7,8,9-HXCDD	0.0813	0.0440	60	50.00	
1,2,3,7,8-PECDD	5.51 U	0.140	200	50.00	
1,2,3,7,8-PECDF	0.125	0.0543	79	50.00	
OCDF	0.140	0.273	64	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX126

Laboratory: LL

EDD Filename: DX126_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB-SA6-SB-080911	1,2,3,4,6,7,8-HPCDD	JB	4.38	9.59	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.650	9.59	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.550	9.59	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.216	9.59	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JBQ	0.366	9.59	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.223	9.59	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JBQ	0.452	9.59	PQL	pg/L	
	1,2,3,7,8-PECDD	JBQ	0.238	9.59	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.163	9.59	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.162	9.59	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.292	9.59	PQL	pg/L	
	2,3,7,8-TCDD	JBQ	0.344	1.92	PQL	pg/L	
	OCDD	JBQ	7.99	19.2	PQL	pg/L	
	OCDF	JB	1.02	19.2	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP24-SA5DN-QC-080911	1,2,3,4,6,7,8-HPCDD	JB	0.699	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.122	5.51	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0441	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0520	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0763	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0589	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0357	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0440	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.0396	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.140	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0543	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0279	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.121	5.51	PQL	ng/Kg	
	OCDD	JB	4.76	11.0	PQL	ng/Kg	
	OCDF	JQ	0.273	11.0	PQL	ng/Kg	
SL-009-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.555	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0752	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0715	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0813	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.0413	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.125	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0278	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	J	0.100	5.51	PQL	ng/Kg	
	OCDD	JB	4.04	11.0	PQL	ng/Kg	
	OCDF	JQ	0.140	11.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX126

Laboratory: LL

EDD Filename: DX126_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-009-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	1.08	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.187	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.127	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.135	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.194	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.129	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.0954	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.277	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.221	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.142	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	J	0.186	5.56	PQL	ng/Kg	
	OCDD	JB	9.81	11.1	PQL	ng/Kg	
	OCDF	J	0.381	11.1	PQL	ng/Kg	
SL-011-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.429	5.60	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0885	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0521	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0755	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0752	5.60	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0395	5.60	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0642	5.60	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.105	1.12	PQL	ng/Kg	
	OCDD	JB	3.03	11.2	PQL	ng/Kg	
	OCDF	JQ	0.225	11.2	PQL	ng/Kg	
SL-012-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.13	5.04	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.148	5.04	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.102	5.04	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.108	5.04	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.104	5.04	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0749	5.04	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0624	5.04	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0374	5.04	PQL	ng/Kg	
	OCDD	JB	8.10	10.1	PQL	ng/Kg	
	OCDF	J	0.534	10.1	PQL	ng/Kg	
SL-012-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.913	5.80	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.110	5.80	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0600	5.80	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0380	5.80	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0236	5.80	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0566	5.80	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.0363	5.80	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0404	5.80	PQL	ng/Kg	
	OCDD	JB	6.21	11.6	PQL	ng/Kg	
	OCDF	JQ	0.182	11.6	PQL	ng/Kg	
SL-031-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.459	5.28	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.209	5.28	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0388	5.28	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0585	5.28	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.106	5.28	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.197	5.28	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.101	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.316	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.232	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.155	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.273	5.28	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0634	5.28	PQL	ng/Kg	
	2,3,4,7,8-PECDF	J	0.216	5.28	PQL	ng/Kg	
	OCDD	JB	2.31	10.6	PQL	ng/Kg	
	OCDF	JQ	0.448	10.6	PQL	ng/Kg	

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/4/2012 7:10:14 AM

ADR version 1.4.0.111

Page 2 of 4

Reporting Limit Outliers

Lab Reporting Batch ID: DX126

Laboratory: LL

EDD Filename: DX126_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-031-SA6-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.321	5.44	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0700	5.44	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0586	5.44	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.189	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.227	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.190	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.282	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.224	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.333	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.300	5.44	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0811	5.44	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.280	5.44	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0974	1.09	PQL	ng/Kg	
	OCDD	JB	1.45	10.9	PQL	ng/Kg	
	OCDF	J	0.145	10.9	PQL	ng/Kg	
SL-042-SA6-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JBQ	0.451	5.28	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0336	5.28	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.305	5.28	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0525	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.938	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.231	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.134	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.117	5.28	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0338	5.28	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0695	5.28	PQL	ng/Kg	
	OCDD	JBQ	1.71	10.6	PQL	ng/Kg	
	OCDF	J	0.152	10.6	PQL	ng/Kg	
SL-044-SA6-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDF	JB	1.73	5.93	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0642	5.93	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.221	5.93	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.626	5.93	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.160	5.93	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.420	5.93	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.122	5.93	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0862	5.93	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.177	5.93	PQL	ng/Kg	
	2,3,4,7,8-PECDF	J	0.0891	5.93	PQL	ng/Kg	
	OCDF	J	2.00	11.9	PQL	ng/Kg	
SL-049-SA6-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JBQ	0.596	5.34	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0463	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.153	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0324	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.318	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.0880	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0684	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.0455	5.34	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0657	5.34	PQL	ng/Kg	
	OCDD	JBQ	1.49	10.7	PQL	ng/Kg	
	OCDF	J	0.126	10.7	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX126

Laboratory: LL

EDD Filename: DX126_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-083-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.91	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.190	5.56	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JQ	0.0449	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0584	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0504	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.191	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.231	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0701	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.111	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0369	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0869	5.56	PQL	ng/Kg	
	OCDF	J	0.751	11.1	PQL	ng/Kg	
SL-153-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.195	5.67	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0366	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.271	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.383	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.849	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.109	5.67	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0387	5.67	PQL	ng/Kg	
	OCDD	JB	0.939	11.3	PQL	ng/Kg	
SL-153-SA5DN-SB-7.0-8.0	1,2,3,4,6,7,8-HPCDD	JB	0.344	5.55	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0684	5.55	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0970	5.55	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0418	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0802	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.149	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0512	5.55	PQL	ng/Kg	
	2,3,4,7,8-PECDF	J	0.0619	5.55	PQL	ng/Kg	
	OCDD	JB	0.999	11.1	PQL	ng/Kg	
	OCDF	JQ	0.141	11.1	PQL	ng/Kg	
SL-273-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.402	5.25	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0392	5.25	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0470	5.25	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0695	5.25	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0470	5.25	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.0550	5.25	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0845	5.25	PQL	ng/Kg	
	OCDD	JBQ	0.616	10.5	PQL	ng/Kg	
	OCDF	JQ	0.183	10.5	PQL	ng/Kg	
SL-273-SA6-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.478	5.65	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.131	5.65	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0495	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.109	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0856	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.226	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.129	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0992	5.65	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0332	5.65	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0772	5.65	PQL	ng/Kg	
	OCDD	JBQ	1.09	11.3	PQL	ng/Kg	
	OCDF	JQ	0.228	11.3	PQL	ng/Kg	

Enclosure II

Level IV Validation Reports

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Santa Susana Field Laboratory
Collection Date: August 8 through August 9, 2011
LDC Report Date: December 28, 2011
Matrix: Soil/Water
Parameters: Dioxins/Dibenzofurans
Validation Level: Level IV
Laboratory: Lancaster Laboratories
Sample Delivery Group (SDG): DX126

Sample Identification

SL-083-SA5DN-SB-4.0-5.0
SL-153-SA5DN-SB-4.0-5.0
SL-153-SA5DN-SB-7.0-8.0
SL-273-SA6-SB-4.0-5.0
SL-273-SA6-SB-9.0-10.0
SL-031-SA6-SB-4.0-5.0
SL-031-SA6-SB-9.0-10.0
SL-042-SA6-SB-2.5-3.5
SL-044-SA6-SB-2.5-3.5
SL-049-SA6-SB-2.5-3.5
EB-SA6-SB-080911
SL-011-SA5DN-SB-4.0-5.0
SL-012-SA5DN-SB-4.0-5.0
SL-012-SA5DN-SB-9.0-10.0
SL-009-SA5DN-SB-4.0-5.0
SL-009-SA5DN-SB-9.0-10.0
DUP24-SA5DN-QC-080911
SL-009-SA5DN-SB-4.0-5.0MS
SL-009-SA5DN-SB-4.0-5.0MSD

Introduction

This data review covers 18 soil samples and one water sample listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 1613B for Polychlorinated Dioxins/Dibenzofurans.

This review follows the Quality Assurance Project Plan for Santa Susana Field Laboratory (SSFL), RCRA Facility Investigation, Surficial Media Operable Unit (March 2009, Revision 4) and the USEPA Contract Laboratory Program National Functional Guidelines for Polychlorinated Dioxins/Dibenzofurans Data Review (September 2005).

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- NJ Presumptive evidence of presence of the compound at an estimated quantity.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. HRGC/HRMS Instrument Performance Check

Instrument performance was checked at the required daily frequency.

The chromatographic resolution between 2,3,7,8-TCDD and the peaks representing any other unlabeled TCDD isomers was resolved with a valley of less than or equal to 25%.

PFK and static resolving power were within validation criteria.

III. Initial Calibration

A five point initial calibration was performed as required by the method.

Percent relative standard deviations (%RSD) were less than or equal to 20.0% for unlabeled compounds and less than or equal to 35.0% for labeled compounds.

The ion abundance ratios for all PCDDs and PCDFs were within validation criteria.

The minimum S/N ratio was greater than or equal to 10 for each unlabeled compound and labeled compound.

IV. Routine Calibration (Continuing)

Routine calibration was performed at the required frequencies.

All of the routine calibration percent differences (%D) between the initial calibration RRF and the routine calibration RRF were within QC limits.

The ion abundance ratios for all PCDDs and PCDFs were within validation criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polychlorinated dioxin/dibenzofuran contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Extraction Date	Compound	Concentration	Associated Samples
BLK224001	8/12/11	2,3,7,8-TCDF 2,3,7,8-TCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.139 pg/L 0.457 pg/L 0.280 pg/L 0.450 pg/L 0.437 pg/L 0.405 pg/L 0.218 pg/L 0.268 pg/L 0.200 pg/L 0.373 pg/L 0.458 pg/L 0.595 pg/L 0.817 pg/L 3.99 pg/L 0.551 pg/L 8.97 pg/L 1.57 pg/L	All water samples in SDG DX126
BLK231004	8/19/11	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD	0.0911 ng/Kg 0.0624 ng/Kg 0.0816 ng/Kg 0.0440 ng/Kg 0.0497 ng/Kg 0.0511 ng/Kg 0.0461 ng/Kg 0.206 ng/Kg 0.0425 ng/Kg 0.280 ng/Kg	SL-153-SA5DN-SB-4.0-5.0 SL-153-SA5DN-SB-7.0-8.0 SL-273-SA6-SB-4.0-5.0 SL-273-SA6-SB-9.0-10.0 SL-031-SA6-SB-4.0-5.0 SL-031-SA6-SB-9.0-10.0 SL-042-SA6-SB-2.5-3.5 SL-044-SA6-SB-2.5-3.5 SL-049-SA6-SB-2.5-3.5 SL-011-SA5DN-SB-4.0-5.0 SL-012-SA5DN-SB-4.0-5.0 SL-012-SA5DN-SB-9.0-10.0 SL-009-SA5DN-SB-4.0-5.0 SL-009-SA5DN-SB-9.0-10.0 DUP24-SA5DN-QC-080911
BLK238001	8/19/11	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD OCDD	0.0365 ng/Kg 0.0544 ng/Kg 0.0682 ng/Kg 0.0519 ng/Kg 0.0537 ng/Kg 0.0234 ng/Kg 0.0513 ng/Kg 0.0428 ng/Kg 0.0356 ng/Kg 0.0494 ng/Kg 0.236 ng/Kg 0.426 ng/Kg	SL-083-SA5DN-SB-4.0-5.0

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Compound	Reported Concentration	Modified Final Concentration
EB-SA6-SB-080911	2,3,7,8-TCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.344 pg/L 0.163 pg/L 0.292 pg/L 0.238 pg/L 0.216 pg/L 0.223 pg/L 0.162 pg/L 0.366 pg/L 0.452 pg/L 0.650 pg/L 4.38 pg/L 0.550 pg/L 7.99 pg/L 1.02 pg/L	0.344U pg/L 0.163U pg/L 0.292U pg/L 0.238U pg/L 0.216U pg/L 0.223U pg/L 0.162U pg/L 0.366U pg/L 0.452U pg/L 0.650U pg/L 4.38U pg/L 0.550U pg/L 7.99U pg/L 1.02U pg/L
SL-153-SA5DN-SB-4.0-5.0	2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD OCDD	0.0387 ng/Kg 0.0366 ng/Kg 0.195 ng/Kg 0.939 ng/Kg	0.0387U ng/Kg 0.0366U ng/Kg 0.195U ng/Kg 0.939U ng/Kg
SL-153-SA5DN-SB-7.0-8.0	1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD OCDD	0.0418 ng/Kg 0.0802 ng/Kg 0.0684 ng/Kg 0.344 ng/Kg 0.999 ng/Kg	0.0418U ng/Kg 0.0802U ng/Kg 0.0684U ng/Kg 0.344U ng/Kg 0.999U ng/Kg
SL-273-SA6-SB-4.0-5.0	1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD OCDD	0.0470 ng/Kg 0.0470 ng/Kg 0.0695 ng/Kg 0.0392 ng/Kg 0.402 ng/Kg 0.616 ng/Kg	0.0470U ng/Kg 0.0470U ng/Kg 0.0695U ng/Kg 0.0392U ng/Kg 0.402U ng/Kg 0.616U ng/Kg
SL-273-SA6-SB-9.0-10.0	1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD	0.0856 ng/Kg 0.0332 ng/Kg 0.109 ng/Kg 0.226 ng/Kg 0.131 ng/Kg 0.478 ng/Kg 0.0495 ng/Kg 1.09 ng/Kg	0.0856U ng/Kg 0.0332U ng/Kg 0.109U ng/Kg 0.226U ng/Kg 0.131U ng/Kg 0.478U ng/Kg 0.0495U ng/Kg 1.09U ng/Kg
SL-031-SA6-SB-4.0-5.0	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF	0.155 ng/Kg 0.106 ng/Kg 0.101 ng/Kg 0.0634 ng/Kg 0.197 ng/Kg 0.209 ng/Kg 0.459 ng/Kg 0.0388 ng/Kg	0.155U ng/Kg 0.106U ng/Kg 0.101U ng/Kg 0.0634U ng/Kg 0.197U ng/Kg 0.209U ng/Kg 0.459U ng/Kg 0.0388U ng/Kg
SL-031-SA6-SB-9.0-10.0	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF	0.333 ng/Kg 0.189 ng/Kg 0.190 ng/Kg 0.0811 ng/Kg 0.227 ng/Kg 0.0700 ng/Kg 0.321 ng/Kg 0.0586 ng/Kg	0.333U ng/Kg 0.189U ng/Kg 0.190U ng/Kg 0.0811U ng/Kg 0.227U ng/Kg 0.0700U ng/Kg 0.321U ng/Kg 0.0586U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-042-SA6-SB-2.5-3.5	1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD	0.134 ng/Kg 0.0525 ng/Kg 0.0338 ng/Kg 0.0336 ng/Kg 0.451 ng/Kg	0.134U ng/Kg 0.0525U ng/Kg 0.0338U ng/Kg 0.0336U ng/Kg 0.451U ng/Kg
SL-044-SA6-SB-2.5-3.5	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8,9-HpCDF	0.122 ng/Kg 0.221 ng/Kg 0.160 ng/Kg 0.177 ng/Kg 0.0642 ng/Kg	0.122U ng/Kg 0.221U ng/Kg 0.160U ng/Kg 0.177U ng/Kg 0.0642U ng/Kg
SL-049-SA6-SB-2.5-3.5	1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD	0.0684 ng/Kg 0.0324 ng/Kg 0.153 ng/Kg 0.0463 ng/Kg 0.596 ng/Kg	0.0684U ng/Kg 0.0324U ng/Kg 0.153U ng/Kg 0.0463U ng/Kg 0.596U ng/Kg
SL-011-SA5DN-SB-4.0-5.0	2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF	0.0395 ng/Kg 0.0755 ng/Kg 0.0752 ng/Kg 0.429 ng/Kg 0.0885 ng/Kg	0.0395U ng/Kg 0.0755U ng/Kg 0.0752U ng/Kg 0.429U ng/Kg 0.0885U ng/Kg
SL-012-SA5DN-SB-4.0-5.0	1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF	0.0749 ng/Kg 0.102 ng/Kg 0.108 ng/Kg 0.148 ng/Kg	0.0749U ng/Kg 0.102U ng/Kg 0.108U ng/Kg 0.148U ng/Kg
SL-012-SA5DN-SB-9.0-10.0	1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF	0.0380 ng/Kg 0.0236 ng/Kg 0.0566 ng/Kg 0.110 ng/Kg 0.913 ng/Kg 0.0600 ng/Kg	0.0380U ng/Kg 0.0236U ng/Kg 0.0566U ng/Kg 0.110U ng/Kg 0.913U ng/Kg 0.0600U ng/Kg
SL-009-SA5DN-SB-4.0-5.0	2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD	0.0278 ng/Kg 0.0715 ng/Kg 0.0813 ng/Kg 0.0752 ng/Kg 0.555 ng/Kg	0.0278U ng/Kg 0.0715U ng/Kg 0.0813U ng/Kg 0.0752U ng/Kg 0.555U ng/Kg
SL-009-SA5DN-SB-9.0-10.0	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF	0.277 ng/Kg 0.135 ng/Kg 0.142 ng/Kg 0.194 ng/Kg 0.129 ng/Kg 0.187 ng/Kg	0.277U ng/Kg 0.135U ng/Kg 0.142U ng/Kg 0.194U ng/Kg 0.129U ng/Kg 0.187U ng/Kg
DUP24-SA5DN-QC-080911	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF	0.140 ng/Kg 0.0763 ng/Kg 0.0357 ng/Kg 0.0279 ng/Kg 0.0589 ng/Kg 0.0440 ng/Kg 0.122 ng/Kg 0.699 ng/Kg 0.0441 ng/Kg	0.140U ng/Kg 0.0763U ng/Kg 0.0357U ng/Kg 0.0279U ng/Kg 0.0589U ng/Kg 0.0440U ng/Kg 0.122U ng/Kg 0.699U ng/Kg 0.0441U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-083-SA5DN-SB-4.0-5.0	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF	0.111 ng/Kg 0.0869 ng/Kg 0.0504 ng/Kg 0.0369 ng/Kg 0.191 ng/Kg 0.0701 ng/Kg 0.190 ng/Kg	0.111U ng/Kg 0.0869U ng/Kg 0.0504U ng/Kg 0.0369U ng/Kg 0.191U ng/Kg 0.0701U ng/Kg 0.190U ng/Kg

Sample EB-SA6-SB-080911 was identified as an equipment blank. No polychlorinated dioxin/dibenzofuran contaminants were found with the following exceptions:

Equipment Blank ID	Sampling Date	Compound	Concentration	Associated Samples
EB-SA6-SB-080911	8/9/11	2,3,7,8-TCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.344 pg/L 0.163 pg/L 0.292 pg/L 0.238 pg/L 0.216 pg/L 0.223 pg/L 0.162 pg/L 0.366 pg/L 0.452 pg/L 0.650 pg/L 4.38 pg/L 0.550 pg/L 7.99 pg/L 1.02 pg/L	SL-042-SA6-SB-2.5-3.5 SL-044-SA6-SB-2.5-3.5 SL-049-SA6-SB-2.5-3.5

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>5X for other contaminants) than the concentrations found in the associated field blanks.

VI. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within the QC limits.

VII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. The percent recoveries (%R) were within the QC limits.

VIII. Regional Quality Assurance and Quality Control

Not applicable.

IX. Internal Standards

All internal standard recoveries were within QC limits.

X. Target Compound Identifications

All target compound identifications were within validation criteria.

XI. Compound Quantitation and RLs

All compound quantitation and RLs were within validation criteria.

All compounds reported below the RL were qualified as follows:

Sample	Finding	Flag	A or P
All samples in SDG DX126	All compounds reported below the RL.	J (all detects)	A

XII. System Performance

The system performance was acceptable.

XIII. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

XIV. Field Duplicates

Samples SL-009-SA5DN-SB-4.0-5.0 and DUP24-SA5DN-QC-080911 were identified as field duplicates. No polychlorinated dioxins/dibenzofurans were detected in any of the samples with the following exceptions:

Compound	Concentration (ng/Kg)		RPD (Limits)	Flags	A or P
	SL-009-SA5DN-SB-4.0-5.0	DUP24-SA5DN-QC-080911			
1,2,3,7,8-PeCDF	0.125	0.0543	79 (≤50)	J (all detects)	A
2,3,4,7,8-PeCDF	0.100	0.121	19 (≤50)	-	-
1,2,3,7,8-PeCDD	5.51U	0.140	200 (≤50)	J (all detects) UJ (all non-detects)	A
1,2,3,4,7,8-HxCDF	5.51U	0.0763	200 (≤50)	J (all detects) UJ (all non-detects)	A

Compound	Concentration (ng/Kg)		RPD (Limits)	Flags	A or P
	SL-009-SA5DN-SB-4.0-5.0	DUP24-SA5DN-QC-080911			
1,2,3,6,7,8-HxCDF	5.51U	0.0357	200 (≤50)	J (all detects) UJ (all non-detects)	A
2,3,4,6,7,8-HxCDF	0.0278	0.0279	0 (≤50)	-	-
1,2,3,4,7,8-HxCDD	5.51U	0.0520	200 (≤50)	J (all detects) UJ (all non-detects)	A
1,2,3,6,7,8-HxCDD	0.0715	0.0589	19 (≤50)	-	-
1,2,3,7,8,9-HxCDD	0.0813	0.0440	60 (≤50)	J (all detects)	A
1,2,3,7,8,9-HxCDF	0.0413	0.0396	4 (≤50)	-	-
1,2,3,4,6,7,8-HpCDF	0.0752	0.122	47 (≤50)	-	-
1,2,3,4,6,7,8-HpCDD	0.555	0.699	23 (≤50)	-	-
1,2,3,4,7,8,9-HpCDF	5.51U	0.0441	200 (≤50)	J (all detects) UJ (all non-detects)	A
OCDD	4.04	4.76	16 (≤50)	-	-
OCDF	0.140	0.273	64 (≤50)	J (all detects)	A

Santa Susana Field Laboratory
Dioxins/Dibenzofurans - Data Qualification Summary - SDG DX126

SDG	Sample	Compound	Flag	A or P	Reason (Code)
DX126	SL-083-SA5DN-SB-4.0-5.0 SL-153-SA5DN-SB-4.0-5.0 SL-153-SA5DN-SB-7.0-8.0 SL-273-SA6-SB-4.0-5.0 SL-273-SA6-SB-9.0-10.0 SL-031-SA6-SB-4.0-5.0 SL-031-SA6-SB-9.0-10.0 SL-042-SA6-SB-2.5-3.5 SL-044-SA6-SB-2.5-3.5 SL-049-SA6-SB-2.5-3.5 EB-SA6-SB-080911 SL-011-SA5DN-SB-4.0-5.0 SL-012-SA5DN-SB-4.0-5.0 SL-012-SA5DN-SB-9.0-10.0 SL-009-SA5DN-SB-4.0-5.0 SL-009-SA5DN-SB-9.0-10.0 DUP24-SA5DN-QC-080911	All compounds reported below the RL.	J (all detects)	A	Compound quantitation and RLs (Z)
DX126	SL-009-SA5DN-SB-4.0-5.0 DUP24-SA5DN-QC-080911	1,2,3,7,8-PeCDF 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF	J (all detects) J (all detects) J (all detects)	A	Field duplicates (RPD) (FD)
DX126	SL-009-SA5DN-SB-4.0-5.0 DUP24-SA5DN-QC-080911	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8,9-HpCDF	J (all detects) UJ (all non-detects)	A	Field duplicates (RPD) (FD)

Santa Susana Field Laboratory
Dioxins/Dibenzofurans - Laboratory Blank Data Qualification Summary - SDG DX126

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX126	EB-SA6-SB-080911	2,3,7,8-TCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.344U pg/L 0.163U pg/L 0.292U pg/L 0.238U pg/L 0.216U pg/L 0.223U pg/L 0.162U pg/L 0.366U pg/L 0.452U pg/L 0.650U pg/L 4.38U pg/L 0.550U pg/L 7.99U pg/L 1.02U pg/L	A	B
DX126	SL-153-SA5DN-SB-4.0-5.0	2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD OCDD	0.0387U ng/Kg 0.0366U ng/Kg 0.195U ng/Kg 0.939U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX126	SL-153-SA5DN-SB-7.0-8.0	1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD OCDD	0.0418U ng/Kg 0.0802U ng/Kg 0.0684U ng/Kg 0.344U ng/Kg 0.999U ng/Kg	A	B
DX126	SL-273-SA6-SB-4.0-5.0	1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD OCDD	0.0470U ng/Kg 0.0470U ng/Kg 0.0695U ng/Kg 0.0392U ng/Kg 0.402U ng/Kg 0.616U ng/Kg	A	B
DX126	SL-273-SA6-SB-9.0-10.0	1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD	0.0856U ng/Kg 0.0332U ng/Kg 0.109U ng/Kg 0.226U ng/Kg 0.131U ng/Kg 0.478U ng/Kg 0.0495U ng/Kg 1.09U ng/Kg	A	B
DX126	SL-031-SA6-SB-4.0-5.0	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF	0.155U ng/Kg 0.106U ng/Kg 0.101U ng/Kg 0.0634U ng/Kg 0.197U ng/Kg 0.209U ng/Kg 0.459U ng/Kg 0.0388U ng/Kg	A	B
DX126	SL-031-SA6-SB-9.0-10.0	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF	0.333U ng/Kg 0.189U ng/Kg 0.190U ng/Kg 0.0811U ng/Kg 0.227U ng/Kg 0.0700U ng/Kg 0.321U ng/Kg 0.0586U ng/Kg	A	B
DX126	SL-042-SA6-SB-2.5-3.5	1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD	0.134U ng/Kg 0.0525U ng/Kg 0.0338U ng/Kg 0.0336U ng/Kg 0.451U ng/Kg	A	B
DX126	SL-044-SA6-SB-2.5-3.5	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8,9-HpCDF	0.122U ng/Kg 0.221U ng/Kg 0.160U ng/Kg 0.177U ng/Kg 0.0642U ng/Kg	A	B
DX126	SL-049-SA6-SB-2.5-3.5	1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD	0.0684U ng/Kg 0.0324U ng/Kg 0.153U ng/Kg 0.0463U ng/Kg 0.596U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX126	SL-011-SA5DN-SB-4.0-5.0	2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF	0.0395U ng/Kg 0.0755U ng/Kg 0.0752U ng/Kg 0.429U ng/Kg 0.0885U ng/Kg	A	B
DX126	SL-012-SA5DN-SB-4.0-5.0	1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF	0.0749U ng/Kg 0.102U ng/Kg 0.108U ng/Kg 0.148U ng/Kg	A	B
DX126	SL-012-SA5DN-SB-9.0-10.0	1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF	0.0380U ng/Kg 0.0236U ng/Kg 0.0566U ng/Kg 0.110U ng/Kg 0.913U ng/Kg 0.0600U ng/Kg	A	B
DX126	SL-009-SA5DN-SB-4.0-5.0	2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD	0.0278U ng/Kg 0.0715U ng/Kg 0.0813U ng/Kg 0.0752U ng/Kg 0.555U ng/Kg	A	B
DX126	SL-009-SA5DN-SB-9.0-10.0	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF	0.277U ng/Kg 0.135U ng/Kg 0.142U ng/Kg 0.194U ng/Kg 0.129U ng/Kg 0.187U ng/Kg	A	B
DX126	DUP24-SA5DN-QC-080911	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF	0.140U ng/Kg 0.0763U ng/Kg 0.0357U ng/Kg 0.0279U ng/Kg 0.0589U ng/Kg 0.0440U ng/Kg 0.122U ng/Kg 0.699U ng/Kg 0.0441U ng/Kg	A	B
DX126	SL-083-SA5DN-SB-4.0-5.0	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF	0.111U ng/Kg 0.0869U ng/Kg 0.0504U ng/Kg 0.0369U ng/Kg 0.191U ng/Kg 0.0701U ng/Kg 0.190U ng/Kg	A	B

Santa Susana Field Laboratory
Dioxins/Dibenzofurans - Field Blank Data Qualification Summary - SDG DX126

No Sample Data Qualified in this SDG

LDC #: 26850C21

VALIDATION COMPLETENESS WORKSHEET

SDG #: DX126

Level IV

Laboratory: Lancaster Laboratories

Date: 12/27/11

Page: 1 of 1

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	Δ	Sampling dates: 8/8 → 8/9/11
II.	HRGC/HRMS Instrument performance check	A	
III.	Initial calibration	Δ	% PSD = 20/35
IV.	Routine calibration/ICV	A	CV = AC limit
V.	Blanks	SW	
VI.	Matrix spike/Matrix spike duplicates	Δ	
VII.	Laboratory control samples	A	OPR
VIII.	Regional quality assurance and quality control	N	
IX.	Internal standards	Δ	AC limit
X.	Target compound identifications	Δ	
XI.	Compound quantitation and CRQLs	Δ	
XII.	System performance	A	
XIII.	Overall assessment of data	A	
XIV.	Field duplicates	SW	D = 15, 17
XV.	Field blanks	SW	EB = 11

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples:

soil + water

1	3	SL-083-SA5DN-SB-4.0-5.0	11	1	EB-SA6-SB-080911	W	21	Blank 224001	31	
2	2	SL-153-SA5DN-SB-4.0-5.0	12	2	SL-011-SA5DN-SB-4.0-5.0		22	Blank 231004	32	
3	2	SL-153-SA5DN-SB-7.0-8.0	13	2	SL-012-SA5DN-SB-4.0-5.0		23	Blank 238001	33	
4	2	SL-273-SA6-SB-4.0-5.0	14	2	SL-012-SA5DN-SB-9.0-10.0		24		34	
5	2	SL-273-SA6-SB-9.0-10.0	15	2	SL-009-SA5DN-SB-4.0-5.0	Q	25		35	
6	2	SL-031-SA6-SB-4.0-5.0	16	2	SL-009-SA5DN-SB-9.0-10.0		26		36	
7	2	SL-031-SA6-SB-9.0-10.0	17	2	DUP24-SA5DN-QC-080911	D	27		37	
8	2	SL-042-SA6-SB-2.5-3.5	18	2	SL-009-SA5DN-SB-4.0-5.0MS		28		38	
9	2	SL-044-SA6-SB-2.5-3.5	19	2	SL-009-SA5DN-SB-4.0-5.0MSD		29		39	
10	2	SL-049-SA6-SB-2.5-3.5	20				30		40	

Notes: _____

Method: Dioxins/Dibenzofurans (EPA SW 846 Method 1613B)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. GC/MS Instrument performance check				
Was PFK exact mass 380.9760 verified?	✓			
Were the retention time windows established for all homologues?	✓			
Was the chromatographic resolution between 2,3,7,8-TCDD and peaks representing any other unlabeled TCDD isomers $\leq 25\%$?	✓			
Is the static resolving power at least 10,000 (10% valley definition)?	✓			
Was the mass resolution adequately check with PFK?	✓			
Was the presence of 1,2,8,9-TCDD and 1,3,4,6,8-PeCDF verified?	✓			
III. Initial calibration				
Was the initial calibration performed at 5 concentration levels?	✓			
Were all percent relative standard deviations (%RSD) $\leq 20\%$ for unlabeled compounds and $\leq 35\%$ for labeled compounds?	✓			
Did all calibration standards meet the Ion Abundance Ratio criteria?	✓			
Was the signal to noise ratio for each target compound ≥ 2.5 and for each recovery and internal standard ≥ 10 ?	✓			
IV. Continuing calibration				
Was a routine calibration performed at the beginning and end of each 12 hour period?	✓			
Were all the concentrations for the unlabeled compounds and labeled compounds within the QC limits (Method 1613B, Table 6)?	✓			
Did all routine calibration standards meet the Ion Abundance Ratio criteria?	✓			
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank performed for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet?	✓			
VI. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	✓			
VII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
VIII. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were the performance evaluation (PE) samples within the acceptance limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IX. Internal standards				
Were internal standard recoveries within the 25-150% criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was the minimum S/N ratio of all internal standard peaks > 10?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
X. Target compound identification				
For 2,3,7,8 substituted congeners with associated labeled standards, were the retention times of the two quantitation peaks within -1 to 3 sec. of the RT of the labeled standard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For 2,3,7,8 substituted congeners without associated labeled standards, were the relative retention times of the two quantitation peaks within 0.005 time units of the RRT measured in the routine calibration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For non-2,3,7,8 substituted congeners, were the retention times of the two quantitation peaks within RT established in the performance check solution?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did compound spectra contain all characteristic ions listed in the table attached?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was the Ion Abundance Ratio for the two quantitation ions within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was the signal to noise ratio for each target compound and labeled standard ≥ 2.5 ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the maximum intensity of each specified characteristic ion coincide within ± 2 seconds (includes labeled standards)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For PCDF identification, was any signal ($S/N \geq 2.5$, at \pm seconds RT) detected in the corresponding PCDF channel?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Was an acceptable lock mass recorded and monitored?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
XI. Compound quantitation/CRQLs				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
XII. System performance				
System performance was found to be acceptable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
XIV. Field duplicates				
Field duplicate pairs were identified in this SDG.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Target compounds were detected in the field duplicates.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
XV. Field blanks				
Field blanks were identified in this SDG.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Target compounds were detected in the field blanks.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

VALIDATION FINDINGS WORKSHEET

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

A. 2,3,7,8-TCDD	F. 1,2,3,4,6,7,8-HpCDD	K. 1,2,3,4,7,8-HxCDF	P. 1,2,3,4,7,8,9-HpCDF	U. Total HpCDD
B. 1,2,3,7,8-PeCDD	G. OCDD	L. 1,2,3,6,7,8-HxCDF	Q. OCDF	V. Total TCDF
C. 1,2,3,4,7,8-HxCDD	H. 2,3,7,8-TCDF	M. 2,3,4,6,7,8-HxCDF	R. Total TCDD	W. Total PeCDF
D. 1,2,3,6,7,8-HxCDD	I. 1,2,3,7,8-PeCDF	N. 1,2,3,7,8,9-HxCDF	S. Total PeCDD	X. Total HxCDF
E. 1,2,3,7,8,9-HxCDD	J. 2,3,4,7,8-PeCDF	O. 1,2,3,4,6,7,8-HpCDF	T. Total HxCDD	Y. Total HpCDF

Notes:

Blanks

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were all samples associated with a method blank?Y N N/A Was a method blank performed for each matrix and whenever a sample extraction was performed? *EMPCY N N/A Was the method blank contaminated?

Blank extraction date: 8/12/11 Blank analysis date: 8/16/11

Associated samples: ALL WATER

Conc. units: pg/L

Compound		Blank ID	Sample Identification				
		BLK224001	5X	11			
H		0.139	0.695				
A		0.457*	2.285	0.344*U			
I		0.280*	1.4	0.163*U			
J		0.450*	2.25	0.292*U			
B		0.437*	2.185	0.238*U			
K		0.405	2.025	0.216*U			
L		0.218*	1.09	0.223*U			
M		0.268	1.34	0.162*U			
C		0.200*	1				
D		0.373*	1.865	0.366*U			
E		0.458	2.29	0.452*U			
N		0.595*	2.975				
O		0.817*	4.085	0.650U			
F		3.99	19.95	4.38U			
P		0.551*	2.755	0.550*U			
G		8.97	44.85	7.99*U			
Q		1.57*	7.85	1.02U			

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

All contaminants within five times the method blank concentration were qualified as not detected, "U".

VALIDATION FINDINGS WORKSHEET

Blanks

Page: 1 of 1

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were all samples associated with a method blank?

Y N N/A Was a method blank performed for each matrix and whenever a sample extraction was performed? *EMPC

Y N N/A Was the method blank contaminated?

Blank extraction date: 8/19/11 Blank analysis date: 8/22/11

Associated samples: 2-10, 12-17

Conc. units: ng/kg

Compound	Blank ID	Sample Identification								
		5X	2	3	4	5	6	7	8	9
B	BLK231004	0.4555					0.155*U	0.333U	0.134U	0.122*U
K	0.0911*	0.312		0.0418*U	0.0470*U		0.106*U	0.189*U		0.221*U
L	0.0624*	0.408			0.0470*U	0.0856*U	0.101*U	0.190*U	0.0525*U	0.160*U
M	0.0816*	0.22	0.0387*U			0.0332*U	0.0634U	0.0811*U	0.0338*U	0.177*U
D	0.0440*	0.2485		0.0802*U	0.0695*U	0.109*U	0.197*U	0.227U		
E	0.0497*	0.2555				0.226*U				
O	0.0511*	0.2305	0.0366*U	0.0684*U	0.0392U	0.131*U	0.209*U	0.0700*U	0.0336*U	
F	0.0461*	1.03	0.195U	0.344U	0.402U	0.478U	0.459*U	0.321*U	0.451*U	
P	0.206	0.2125				0.0495U	0.0388U	0.0586U		0.0642*U
G	0.0425*	1.4	0.939U	0.999U	0.616*U	1.09*U				
	0.280									

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

All contaminants within five times the method blank concentration were qualified as not detected, "U".

Blanks**METHOD:** HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were all samples associated with a method blank?

Y N N/A Was a method blank performed for each matrix and whenever a sample extraction was performed? *EMPC

Y N N/A Was the method blank contaminated?

Blank extraction date: 8/19/11 Blank analysis date: 8/22/11

Associated samples: 2-10, 12-17

Conc. units: ng/kg

Compound	Blank ID	Sample Identification										
		5X	10	12	13	14	15	16	17			
	BLK231004											
B	0.0911*	0.4555	0.0684*U		0.0749*U			0.277U	0.140*U			
K	0.0624*	0.312				0.0380*U		0.135U	0.0763*U			
L	0.0816*	0.408	0.0324*U			0.0236*U			0.0357*U			
M	0.0440*	0.22		0.0395*U			0.0278*U	0.142*U	0.0279*U			
D	0.0497*	0.2485	0.153*U	0.0755*U	0.102U		0.0715*U	0.194*U	0.0589*U			
E	0.0511*	0.2555		0.0752*U	0.108*U	0.0566*U	0.0813U	0.129U	0.0440U			
O	0.0461*	0.2305	0.0463U	0.0755*U	0.148U	0.110U	0.0752U	0.187*U	0.122U			
F	0.206	1.03	0.596*U	0.429U 0.0885*U		0.913U	0.555*U		0.699U			
P	0.0425*	0.2125				0.0600*U			0.0441*U			
G	0.280	1.4										

0.225*

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
All contaminants within five times the method blank concentration were qualified as not detected, "U".

VALIDATION FINDINGS WORKSHEET

Blanks

Page: 1 of 1

Reviewer: AD2nd Reviewer: AE**METHOD:** HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A

Were all samples associated with a method blank?

Y N N/A

Was a method blank performed for each matrix and whenever a sample extraction was performed? *EMPC

Y N N/A

Was the method blank contaminated?

Blank extraction date: 8/19/11 Blank analysis date: 8/22/11 Associated samples: 1

Conc. units: ng/kg

Compound		Blank ID	Sample Identification				
		BLK238001	5X	1			
I		0.0365*	0.1825	0.111*U			
J		0.0544*	0.272	0.0869*U			
B		0.0682*	0.341				
K		0.0519*	0.2595	0.0504*U			
L		0.0537*	0.2685				
M		0.0234*	0.117	0.0369*U			
D		0.0513*	0.2565	0.191*U			
E		0.0428*	0.214				
N		0.0356*	0.178	0.0701*U			
O		0.0494*	0.247	0.190U			
F		0.236*	1.18				
G		0.426*	2.13				

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

All contaminants within five times the method blank concentration were qualified as not detected, "U".

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were field blank identified in this SDG? (F)

Y N N/A Were target compounds detected in the field blank?

Blank unit: pg/L Associated sample unit: ng/Kg

Sampling date: 8/9/11

Associated samples: 8-10, 12-17 >5x

Compound	Blank ID	Sample Identification									
		11	5X								
H			0								
A	0.344*		1.72								
I	0.163*		0.815								
J	0.292*		1.46								
B	0.238*		1.19								
K	0.216*		1.08								
L	0.223*		1.115								
M	0.162*		0.81								
C			0								
D	0.366*		1.83								
E	0.452*		2.26								
N			0								
O	0.650		3.25								
F	4.38		21.9								
P	0.550*		2.75								
G	7.99*		39.95								
Q	1.02		5.1								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

All contaminants within five times the method blank concentration were qualified as not detected, "U".

LDC#: 26850C21

VALIDATION FINDINGS WORKSHEET **Field Duplicates**

Page: 1 of 1
Reviewer: FN
2nd Reviewer: E

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B) 1613BY N NA

Were field duplicate pairs identified in this SDG?

Y N NA

Were target analytes detected in the field duplicate pairs?

* enpc

(fd)

Compound	Concentration (ng/kg)		RPD	
	15	17		
I	0.125*	0.0543*	79	J/A dit
J	0.100	0.121*	19	
B	0.0699U 5.51U	0.140*	200	J/W/A
K	0.0264U 5.51U	0.0763*	200	↓
L	0.0234U 5.51U	0.0357*	200	
M	0.0278*	0.0279*	0	
C	0.0410U 5.51U	0.0520*	200	J/W/A
D	0.0715*	0.0589*	19	
E	0.0813	0.0440	60	J/A dit
N	0.0413	0.0396*	4	
O	0.0752	0.122	47	
F	0.555*	0.699	23	
P	0.0374U 5.51U	0.0441*	200	J/W/A
G	4.04	4.76	16	
Q	0.140*	0.273*	64	J/A dit

V:\FIELD DUPLICATES\templates\26850C21.wpd

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$$RRF = (A_s)(C_s)/(A_u)(C_u)$$

average RRF = sum of the RRFs/number of standards

$$\%RSD = 100 * (S/X)$$

A_s = Area of compound,

C_s = Concentration of compound,

S = Standard deviation of the RRFs, X = Mean of the RRFs

A_u = Area of associated internal standard

C_u = Concentration of internal standard

S = Standard deviation of the RRFs, X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported		Recalculated		Reported		Recalculated	
				Average RRF (initial)	Average RRF (initial)	Average RRF (initial)	Average RRF (initial)	RRF (std)	RRF (std)	RRF (std)	%RSD
1	CAL	6/3/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	1.017	1.017	1.017	1.033	1.033	1.033	1.033	4.59
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.186	1.186	1.186	1.186	1.186	1.186	1.186	5.56
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	0.995	0.995	0.995	1.001	1.001	1.001	1.001	3.43
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.017	1.017	1.017	1.101	1.101	1.101	1.101	4.02
			OCDF (¹³ C-OCDF)	0.945	0.945	0.945	0.974	0.974	0.974	0.974	3.54
2	CAL	6/24/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	1.022	1.022	1.022	1.028	1.028	1.028	1.028	7.77
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.133	1.133	1.133	1.142	1.142	1.142	1.142	3.52
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	0.971	0.971	0.971	1.018	1.018	1.018	1.018	4.32
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.053	1.053	1.053	1.087	1.087	1.087	1.087	4.49
			OCDF (¹³ C-OCDF)	0.950	0.950	0.950	1.001	1.001	1.001	1.001	5.01
3			2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)								
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)								
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)								
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)								
			OCDF (¹³ C-OCDF)								

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET Routine Calibration Results Verification

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

$$\% \text{ Difference} = 100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$$

$$\text{RRF} = (A_x)(C_s) / (A_s)(C_x)$$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF

A_x = Area of compound,
C_x = Concentration of compound,
A_s = Area of associated internal standard
C_s = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Conc. Average RRF (initial)	Reported		Recalculated		Reported	Recalculated
					Conc. -RRF (CC)	Conc. -RRF (CC)	Conc. -RRF (CC)	%D		
1	cen 10:16	8/16/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	10.0	9.740	9.740	9.740	97	97	97
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	10.0	9.180	9.180	9.180	92	92	92
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	50.0	50.360	50.360	50.360	101	101	101
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	50.0	50.180	50.180	50.180	100	100	100
			OCDF (¹³ C-OCDF)	100.00	107.420	107.420	107.420	107	107	107
2	cen 13:04	8/22/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)		9.970	9.970	9.970	100	100	100
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)		10.640	10.640	10.640	106	106	106
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)		52.00	52.00	52.00	104	104	104
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)		52.430	52.430	52.430	105	105	105
			OCDF (¹³ C-OCDF)		104.880	104.880	104.880	105	105	105
3	cen 01:33	8/23/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)		10.330	10.330	10.330	103	103	103
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)		10.720	10.720	10.720	107	107	107
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)		51.920	51.920	51.920	104	104	104
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)		51.370	51.370	51.370	103	103	103
			OCDF (¹³ C-OCDF)		106.120	106.120	106.120	106	106	106

Comments: Refer to Routine Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET Routine Calibration Results Verification

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA SW 846 Method 8290) 161313

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

$$\% \text{ Difference} = 100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$$

$$\text{RRF} = (A_x)(C_{is}) / (A_{is})(C_x)$$

Where: ave. RRF = initial calibration average RRF
 RRF = continuing calibration RRF
 A_x = Area of compound,
 C_x = Concentration of compound,
 A_{is} = Area of associated internal standard
 C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Conc. Average RRF (Initial)	Reported		Recalculated		Reported		Recalculated	
					Conc -RRF (CC)		Conc -RRF (CC)		%D		%D	
1	CCU 0016	8/30/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	10.0	10.3		10.3		10.3		10.3	
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	10.0	10.44		10.44		10.4		10.4	
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	50.0	51.120		51.120		10.2		10.2	
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	50.0	50.940		50.940		10.2		10.2	
			OCDF (¹³ C-OCDD)	100.00	100.00		100.00		10.0		10.0	
2			2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)									
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)									
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)									
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)									
			OCDF (¹³ C-OCDD)									
3			2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)									
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)									
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)									
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)									
			OCDF (¹³ C-OCDD)									

Comments: Refer to Routine Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

METHOD: GC/MS Dioxins/Dibenzofurans (EPA SW 846 Method 1613B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

$$\% \text{ Recovery} = 100 * \text{SSC/SA}$$

Where: SSC = Spiked sample concentration
SA = Spike added

$$RPD = |LCS - LCSD| * 2 / (LCS + LCSD)$$

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCSID: 0PR 231004

[illegible]

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

SAMPLE DELIVERY GROUP

DX127

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
10-Aug-2011	SL-185-SA6-SB-4.0-5.0	6372859	N	METHOD	1613B	III
10-Aug-2011	SL-185-SA6-SB-9.0-10.0	6372860	N	METHOD	1613B	III
10-Aug-2011	SL-151-SA6-SB-4.0-5.0	6372853	N	METHOD	1613B	III
10-Aug-2011	SL-151-SA6-SB-9.0-10.0	6372854	N	METHOD	1613B	III
10-Aug-2011	SL-007-SA5DN-SB-4.0-5.0	6372849	N	METHOD	1613B	III
10-Aug-2011	SL-183-SA6-SB-4.0-5.0	6372857	N	METHOD	1613B	III
10-Aug-2011	SL-183-SA6-SB-9.0-10.0	6372858	N	METHOD	1613B	III
10-Aug-2011	SL-071-SA5DN-SB-4.0-5.0	6372850	N	METHOD	1613B	III
10-Aug-2011	SL-071-SA5DN-SB-9.0-10.0	6372851	N	METHOD	1613B	III
10-Aug-2011	SL-182-SA6-SB-4.0-5.0	6372855	N	METHOD	1613B	III
10-Aug-2011	SL-182-SA6-SB-9.0-10.0	6372856	N	METHOD	1613B	III
10-Aug-2011	SL-072-SA5DN-SB-4.0-5.0	6372852	N	METHOD	1613B	III
11-Aug-2011	SL-006-SA5DN-SB-4.0-5.0	6374029	N	METHOD	1613B	III
11-Aug-2011	SL-006-SA5DN-SB-9.0-10.0	6374030	N	METHOD	1613B	III
11-Aug-2011	SL-155-SA6-SB-4.0-5.0	6374032	N	METHOD	1613B	III
11-Aug-2011	SL-155-SA6-SB-4.0-5.0MS	6374033	MS	METHOD	1613B	III
11-Aug-2011	SL-155-SA6-SB-4.0-5.0MSD	6374034	MSD	METHOD	1613B	III
11-Aug-2011	DUP24-SA6-QC-081111	6374037	FD	METHOD	1613B	III
11-Aug-2011	SL-207-SA5DN-SB-4.0-5.0	6374031	N	METHOD	1613B	III
11-Aug-2011	EB-SA5DN-SB-081111	6374038	EB	METHOD	1613B	III
11-Aug-2011	SL-033-SA6-SB-2.5-3.5	6374036	N	METHOD	1613B	III
11-Aug-2011	SL-174-SA6-SB-2.0-3.0	6374035	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	GENCHEM
Method:	1613B
Matrix:	AQ

Sample ID: EB-SA5DN-SB-081111

Collected: 8/11/2011 12:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.76	JB	0.144	MDL	10.6	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	0.446	JBQ	0.0483	MDL	10.6	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.161	JB	0.0600	MDL	10.6	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.217	JBQ	0.0554	MDL	10.6	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	0.274	JBQ	0.0995	MDL	10.6	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.164	JB	0.0551	MDL	10.6	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.193	JBQ	0.0992	MDL	10.6	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.200	JBQ	0.0589	MDL	10.6	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.136	JB	0.110	MDL	10.6	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.0761	JBQ	0.0581	MDL	10.6	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.126	JBQ	0.0538	MDL	10.6	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.273	JB	0.0507	MDL	10.6	PQL	pg/L	U	B
2,3,7,8-TCDD	0.152	JBQ	0.118	MDL	2.11	PQL	pg/L	U	B
OCDD	4.40	JB	0.106	MDL	21.1	PQL	pg/L	U	B
OCDF	0.433	JB	0.143	MDL	21.1	PQL	pg/L	U	B

Method Category:	GENCHEM
Method:	1613B
Matrix:	SO

Sample ID: DUP24-SA6-QC-081111

Collected: 8/11/2011 10:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.232	JB	0.0769	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0533	JBQ	0.0281	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0533	U	0.0533	MDL	5.18	PQL	ng/Kg	UJ	FD
1,2,3,4,7,8-HXCDF	0.0326	U	0.0326	MDL	5.18	PQL	ng/Kg	UJ	FD
1,2,3,6,7,8-HXCDD	0.0529	U	0.0529	MDL	5.18	PQL	ng/Kg	UJ	FD
1,2,3,6,7,8-HXCDF	0.0558	JB	0.0288	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0534	JBQ	0.0513	MDL	5.18	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDF	0.0562	JBQ	0.0296	MDL	5.18	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.0893	JQ	0.0781	MDL	5.18	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDF	0.0374	U	0.0374	MDL	5.18	PQL	ng/Kg	UJ	FD
2,3,4,6,7,8-HXCDF	0.0298	U	0.0298	MDL	5.18	PQL	ng/Kg	UJ	FD
2,3,4,7,8-PECDF	0.0707	JBQ	0.0386	MDL	5.18	PQL	ng/Kg	UJ	B, FD

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:07:06 AM

ADR version 1.4.0.111

Page 1 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: DUP24-SA6-QC-081111

Collected: 8/11/2011 10:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDD	0.660	JB	0.0502	MDL	10.4	PQL	ng/Kg	U	B
OCDF	0.226	JBQ	0.0869	MDL	10.4	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-006-SA5DN-SB-4.0-5.0

Collected: 8/11/2011 8:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.55	JB	0.0904	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.319	JB	0.0264	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.0768	JBQ	0.0486	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0663	JB	0.0400	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.105	J	0.0477	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0327	JBQ	0.0326	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.135	JB	0.0499	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0986	JBQ	0.0453	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0828	JQ	0.0740	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0468	JQ	0.0374	MDL	5.66	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0584	JQ	0.0364	MDL	5.66	PQL	ng/Kg	J	Z
OCDF	0.827	JBQ	0.112	MDL	11.3	PQL	ng/Kg	J	Z

Sample ID: SL-006-SA5DN-SB-9.0-10.0

Collected: 8/11/2011 9:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.361	JB	0.0641	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0869	JBQ	0.0273	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0536	JB	0.0442	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0477	JB	0.0449	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.106	JB	0.0332	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0590	JQ	0.0452	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0769	JB	0.0296	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0945	JBQ	0.0454	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0605	JBQ	0.0370	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.116	JQ	0.0753	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0939	JQ	0.0329	MDL	5.57	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0503	J	0.0314	MDL	5.57	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.112	JBQ	0.0317	MDL	5.57	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:07:06 AM

ADR version 1.4.0.111

Page 2 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-006-SA5DN-SB-9.0-10.0

Collected: 8/11/2011 9:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDD	2.44	JB	0.0552	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.263	JB	0.0831	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-007-SA5DN-SB-4.0-5.0

Collected: 8/10/2011 9:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.367	JB	0.0950	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0691	JB	0.0298	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0606	JBQ	0.0557	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0813	JBQ	0.0449	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.219	JQ	0.0641	MDL	5.82	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0976	JBQ	0.0398	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.375	JBQ	0.0591	MDL	5.82	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0843	JQ	0.0497	MDL	5.82	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0768	JQ	0.0411	MDL	5.82	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.0923	JBQ	0.0501	MDL	5.82	PQL	ng/Kg	U	B
OCDD	1.40	JBQ	0.0568	MDL	11.6	PQL	ng/Kg	U	B
OCDF	0.210	JBQ	0.112	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-033-SA6-SB-2.5-3.5

Collected: 8/11/2011 2:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	4.60	JB	0.107	MDL	5.18	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.947	JB	0.0318	MDL	5.18	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0637	JB	0.0589	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0799	JB	0.0480	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.196	JQ	0.0750	MDL	5.18	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.114	JB	0.0418	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.237	JBQ	0.0731	MDL	5.18	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.135	JBQ	0.0474	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0952	J	0.0833	MDL	5.18	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.134	JQ	0.0451	MDL	5.18	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.248	JBQ	0.0470	MDL	5.18	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.112	JQ	0.102	MDL	1.04	PQL	ng/Kg	J	Z
OCDF	2.48	JB	0.0999	MDL	10.4	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:07:06 AM

ADR version 1.4.0.111

Page 3 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-071-SA5DN-SB-4.0-5.0

Collected: 8/10/2011 11:19:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.32	JBQ	0.121	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0633	JBQ	0.0627	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0419	JB	0.0410	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0705	J	0.0656	MDL	5.71	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.0720	JBQ	0.0479	MDL	5.71	PQL	ng/Kg	U	B
OCDF	0.189	JB	0.143	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-071-SA5DN-SB-9.0-10.0

Collected: 8/10/2011 11:57:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.729	JB	0.0812	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0563	JBQ	0.0527	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0310	JB	0.0308	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0528	JQ	0.0399	MDL	5.53	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0557	JQ	0.0327	MDL	5.53	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.0430	JB	0.0395	MDL	5.53	PQL	ng/Kg	U	B
OCDD	2.98	JB	0.0491	MDL	11.1	PQL	ng/Kg	J	Z
OCDF	0.163	JB	0.104	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-072-SA5DN-SB-4.0-5.0

Collected: 8/10/2011 2:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.30	JB	0.0612	MDL	5.93	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.287	JBQ	0.128	MDL	5.93	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.950	J	0.120	MDL	5.93	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0878	JBQ	0.0577	MDL	5.93	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.477	JBQ	0.110	MDL	5.93	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.120	JB	0.0794	MDL	5.93	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0947	JQ	0.0571	MDL	5.93	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.220	JQ	0.0628	MDL	5.93	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.0802	JBQ	0.0589	MDL	5.93	PQL	ng/Kg	U	B
OCDF	5.56	JB	0.153	MDL	11.9	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:07:06 AM

ADR version 1.4.0.111

Page 4 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-151-SA6-SB-4.0-5.0

Collected: 8/10/2011 8:59:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.281	JB	0.0739	MDL	5.20	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0582	JBQ	0.0186	MDL	5.20	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0441	JBQ	0.0351	MDL	5.20	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0504	JQ	0.0477	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0497	JBQ	0.0303	MDL	5.20	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.126	JBQ	0.0479	MDL	5.20	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0458	JQ	0.0357	MDL	5.20	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0398	J	0.0320	MDL	5.20	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.0481	JBQ	0.0345	MDL	5.20	PQL	ng/Kg	U	B
OCDD	1.13	JB	0.0440	MDL	10.4	PQL	ng/Kg	U	B
OCDF	0.181	JB	0.103	MDL	10.4	PQL	ng/Kg	U	B

Sample ID: SL-151-SA6-SB-9.0-10.0

Collected: 8/10/2011 9:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.313	JBQ	0.0778	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0921	JB	0.0232	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0649	JB	0.0509	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0891	JBQ	0.0517	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.114	JBQ	0.0336	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0887	JQ	0.0513	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0958	JB	0.0287	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.102	JB	0.0517	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.127	JBQ	0.0413	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.274	JQ	0.0780	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.213	JQ	0.0371	MDL	5.59	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0772	JQ	0.0317	MDL	5.59	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.218	JB	0.0390	MDL	5.59	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.128	J	0.0854	MDL	1.12	PQL	ng/Kg	J	Z
OCDD	0.891	JBQ	0.0406	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.181	JB	0.104	MDL	11.2	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:07:06 AM

ADR version 1.4.0.111

Page 5 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-155-SA6-SB-4.0-5.0

Collected: 8/11/2011 10:09:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.232	JB	0.0702	MDL	5.28	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0664	JBQ	0.0227	MDL	5.28	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0694	JB	0.0469	MDL	5.28	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDF	0.0905	JBQ	0.0324	MDL	5.28	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HxCDD	0.0909	J	0.0480	MDL	5.28	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HxCDF	0.0916	JB	0.0302	MDL	5.28	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.150	JB	0.0485	MDL	5.28	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDF	0.110	JBQ	0.0367	MDL	5.28	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.185	JQ	0.0706	MDL	5.28	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDF	0.164	JQ	0.0357	MDL	5.28	PQL	ng/Kg	J	Z, FD
2,3,4,6,7,8-HxCDF	0.0675	J	0.0319	MDL	5.28	PQL	ng/Kg	J	Z, FD
2,3,4,7,8-PECDF	0.139	JBQ	0.0352	MDL	5.28	PQL	ng/Kg	UJ	B, FD
OCDD	0.725	JB	0.0449	MDL	10.6	PQL	ng/Kg	U	B
OCDF	0.112	JBQ	0.0857	MDL	10.6	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-174-SA6-SB-2.0-3.0

Collected: 8/11/2011 2:46:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.395	JB	0.0706	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.102	JBQ	0.0260	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0881	JBQ	0.0409	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.128	JBQ	0.0373	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.154	JQ	0.0547	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.117	JBQ	0.0329	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.144	JB	0.0520	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.119	J	0.0846	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.103	J	0.0463	MDL	5.21	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.113	J	0.0332	MDL	5.21	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.163	JB	0.0447	MDL	5.21	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.101	JQ	0.0967	MDL	1.04	PQL	ng/Kg	J	Z
OCDD	1.06	JB	0.0507	MDL	10.4	PQL	ng/Kg	U	B
OCDF	0.147	JBQ	0.0860	MDL	10.4	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:07:06 AM

ADR version 1.4.0.111

Page 6 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-182-SA6-SB-4.0-5.0

Collected: 8/10/2011 12:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.362	JB	0.0707	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0898	JBQ	0.0202	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0699	JBQ	0.0481	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.201	JBQ	0.0549	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.202	JBQ	0.0350	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.131	J	0.0527	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.151	JB	0.0278	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.170	JBQ	0.0508	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.163	JB	0.0398	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.146	J	0.0746	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.325	JQ	0.0355	MDL	5.25	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.126	JQ	0.0314	MDL	5.25	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.244	JBQ	0.0382	MDL	5.25	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.128	JQ	0.0834	MDL	1.05	PQL	ng/Kg	J	Z
OCDD	3.62	JB	0.0402	MDL	10.5	PQL	ng/Kg	J	Z
OCDF	0.232	JB	0.104	MDL	10.5	PQL	ng/Kg	U	B

Sample ID: SL-182-SA6-SB-9.0-10.0

Collected: 8/10/2011 12:49:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.205	JB	0.0814	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0749	JB	0.0446	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.108	JBQ	0.0606	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.154	JB	0.111	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0984	JQ	0.0737	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.197	JB	0.0914	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.121	JB	0.0661	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.183	JBQ	0.0595	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.287	JQ	0.0894	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.159	JQ	0.0490	MDL	5.60	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0407	J	0.0401	MDL	5.60	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.242	JBQ	0.0506	MDL	5.60	PQL	ng/Kg	U	B
OCDD	0.713	JBQ	0.0653	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.214	JBQ	0.163	MDL	11.2	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:07:06 AM

ADR version 1.4.0.111

Page 7 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	GENCHEM
Method:	1613B
Matrix:	SO

Sample ID: SL-183-SA6-SB-4.0-5.0

Collected: 8/10/2011 10:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.505	JB	0.0667	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.143	JB	0.0254	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0969	JBQ	0.0487	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.131	JB	0.0295	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.136	JQ	0.0497	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0731	JBQ	0.0268	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.123	JB	0.0504	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0788	JBQ	0.0334	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.203	JQ	0.0744	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.233	JQ	0.0382	MDL	5.48	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0800	JQ	0.0285	MDL	5.48	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.142	JB	0.0375	MDL	5.48	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.136	J	0.0861	MDL	1.10	PQL	ng/Kg	J	Z
OCDD	3.53	JB	0.0552	MDL	11.0	PQL	ng/Kg	J	Z
OCDF	0.172	JB	0.0978	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-183-SA6-SB-9.0-10.0

Collected: 8/10/2011 10:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.319	JBQ	0.0646	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0403	JBQ	0.0185	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0560	JBQ	0.0466	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0561	JBQ	0.0447	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0576	JBQ	0.0396	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0399	J	0.0309	MDL	5.53	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.0471	JBQ	0.0391	MDL	5.53	PQL	ng/Kg	U	B
OCDD	0.572	JB	0.0390	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.307	JB	0.119	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-185-SA6-SB-4.0-5.0

Collected: 8/10/2011 7:49:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.512	JBQ	0.0700	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0569	JBQ	0.0200	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0581	JBQ	0.0374	MDL	5.52	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:07:06 AM

ADR version 1.4.0.111

Page 8 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-185-SA6-SB-4.0-5.0

Collected: 8/10/2011 7:49:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HxCDD	0.475	JB	0.0468	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0631	JQ	0.0604	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0752	JQ	0.0292	MDL	5.52	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.0495	JBQ	0.0307	MDL	5.52	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0786	J	0.0646	MDL	1.10	PQL	ng/Kg	J	Z
OCDD	3.90	JB	0.0459	MDL	11.0	PQL	ng/Kg	J	Z
OCDF	0.133	JBQ	0.0849	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-185-SA6-SB-9.0-10.0

Collected: 8/10/2011 7:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.159	JB	0.0658	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0381	JBQ	0.0193	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0597	JB	0.0437	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0760	JQ	0.0503	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.0768	JBQ	0.0491	MDL	5.57	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.120	JBQ	0.0338	MDL	5.57	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0961	J	0.0935	MDL	1.11	PQL	ng/Kg	J	Z
OCDD	1.04	JB	0.0438	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.214	JBQ	0.109	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-207-SA5DN-SB-4.0-5.0

Collected: 8/11/2011 10:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.287	JB	0.0704	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0816	JB	0.0224	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0557	JB	0.0392	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0579	JB	0.0518	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0791	JB	0.0324	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.106	J	0.0531	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0982	JBQ	0.0290	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0769	JB	0.0555	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0923	JBQ	0.0372	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.180	J	0.0676	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.218	JQ	0.0426	MDL	5.66	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:07:06 AM

ADR version 1.4.0.111

Page 9 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-207-SA5DN-SB-4.0-5.0

Collected: 8/11/2011 10:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,6,7,8-HXCDF	0.0740	JQ	0.0317	MDL	5.66	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.163	JB	0.0405	MDL	5.66	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.105	J	0.0756	MDL	1.13	PQL	ng/Kg	J	Z
OCDD	1.21	JB	0.0434	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.162	JB	0.0808	MDL	11.3	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:07:06 AM

ADR version 1.4.0.111

Page 10 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Laboratory Triplicate Precision
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*#	Professional Judgment
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:07:06 AM

ADR version 1.4.0.111

Page 11 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation
Q	Matrix Spike Upper Rejection

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:07:06 AM

ADR version 1.4.0.111

Page 12 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:07:06 AM

ADR version 1.4.0.111

Page 13 of 13

Enclosure I

Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX127

Method Blank Outlier Report

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK2290B371851	8/18/2011 6:51:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD OCDD OCDF	3.13 pg/L 1.11 pg/L 0.553 pg/L 0.326 pg/L 0.414 pg/L 0.546 pg/L 0.547 pg/L 0.754 pg/L 0.516 pg/L 0.400 pg/L 0.348 pg/L 0.411 pg/L 0.680 pg/L 0.247 pg/L 5.33 pg/L 0.962 pg/L	EB-SA5DN-SB-081111

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
EB-SA5DN-SB-081111(RES)	1,2,3,4,6,7,8-HPCDD	2.76 pg/L	2.76U pg/L
EB-SA5DN-SB-081111(RES)	1,2,3,4,6,7,8-HPCDF	0.446 pg/L	0.446U pg/L
EB-SA5DN-SB-081111(RES)	1,2,3,4,7,8,9-HPCDF	0.161 pg/L	0.161U pg/L
EB-SA5DN-SB-081111(RES)	1,2,3,4,7,8-HxCDF	0.217 pg/L	0.217U pg/L
EB-SA5DN-SB-081111(RES)	1,2,3,6,7,8-HxCDD	0.274 pg/L	0.274U pg/L
EB-SA5DN-SB-081111(RES)	1,2,3,6,7,8-HxCDF	0.164 pg/L	0.164U pg/L
EB-SA5DN-SB-081111(RES)	1,2,3,7,8,9-HxCDD	0.193 pg/L	0.193U pg/L
EB-SA5DN-SB-081111(RES)	1,2,3,7,8,9-HxCDF	0.200 pg/L	0.200U pg/L
EB-SA5DN-SB-081111(RES)	1,2,3,7,8-PECDD	0.136 pg/L	0.136U pg/L
EB-SA5DN-SB-081111(RES)	1,2,3,7,8-PECDF	0.0761 pg/L	0.0761U pg/L
EB-SA5DN-SB-081111(RES)	2,3,4,6,7,8-HxCDF	0.126 pg/L	0.126U pg/L
EB-SA5DN-SB-081111(RES)	2,3,4,7,8-PECDF	0.273 pg/L	0.273U pg/L
EB-SA5DN-SB-081111(RES)	2,3,7,8-TCDD	0.152 pg/L	0.152U pg/L
EB-SA5DN-SB-081111(RES)	OCDD	4.40 pg/L	4.40U pg/L
EB-SA5DN-SB-081111(RES)	OCDF	0.433 pg/L	0.433U pg/L

Method Blank Outlier Report

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK2340B371616	8/24/2011 4:16:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 2,3,4,7,8-PECDF OCDD OCDF	0.259 ng/Kg 0.0585 ng/Kg 0.0765 ng/Kg 0.0560 ng/Kg 0.0487 ng/Kg 0.0380 ng/Kg 0.0465 ng/Kg 0.0390 ng/Kg 0.0865 ng/Kg 0.515 ng/Kg 0.109 ng/Kg	DUP24-SA6-QC-081111 SL-006-SA5DN-SB-4.0-5.0 SL-006-SA5DN-SB-9.0-10.0 SL-007-SA5DN-SB-4.0-5.0 SL-033-SA6-SB-2.5-3.5 SL-071-SA5DN-SB-4.0-5.0 SL-071-SA5DN-SB-9.0-10.0 SL-072-SA5DN-SB-4.0-5.0 SL-151-SA6-SB-4.0-5.0 SL-151-SA6-SB-9.0-10.0 SL-155-SA6-SB-4.0-5.0 SL-174-SA6-SB-2.0-3.0 SL-182-SA6-SB-4.0-5.0 SL-182-SA6-SB-9.0-10.0 SL-183-SA6-SB-4.0-5.0 SL-183-SA6-SB-9.0-10.0 SL-185-SA6-SB-4.0-5.0 SL-185-SA6-SB-9.0-10.0 SL-207-SA5DN-SB-4.0-5.0

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP24-SA6-QC-081111(RES)	1,2,3,4,6,7,8-HPCDD	0.232 ng/Kg	0.232U ng/Kg
DUP24-SA6-QC-081111(RES)	1,2,3,4,6,7,8-HPCDF	0.0533 ng/Kg	0.0533U ng/Kg
DUP24-SA6-QC-081111(RES)	1,2,3,6,7,8-HxCDF	0.0558 ng/Kg	0.0558U ng/Kg
DUP24-SA6-QC-081111(RES)	1,2,3,7,8,9-HxCDD	0.0534 ng/Kg	0.0534U ng/Kg
DUP24-SA6-QC-081111(RES)	1,2,3,7,8,9-HxCDF	0.0562 ng/Kg	0.0562U ng/Kg
DUP24-SA6-QC-081111(RES)	2,3,4,7,8-PECDF	0.0707 ng/Kg	0.0707U ng/Kg
DUP24-SA6-QC-081111(RES)	OCDD	0.660 ng/Kg	0.660U ng/Kg
DUP24-SA6-QC-081111(RES)	OCDF	0.226 ng/Kg	0.226U ng/Kg
SL-006-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0768 ng/Kg	0.0768U ng/Kg
SL-006-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0663 ng/Kg	0.0663U ng/Kg
SL-006-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0327 ng/Kg	0.0327U ng/Kg
SL-006-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.135 ng/Kg	0.135U ng/Kg
SL-006-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0986 ng/Kg	0.0986U ng/Kg
SL-006-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.361 ng/Kg	0.361U ng/Kg
SL-006-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0869 ng/Kg	0.0869U ng/Kg
SL-006-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0536 ng/Kg	0.0536U ng/Kg
SL-006-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0477 ng/Kg	0.0477U ng/Kg
SL-006-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.106 ng/Kg	0.106U ng/Kg
SL-006-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0769 ng/Kg	0.0769U ng/Kg
SL-006-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.0945 ng/Kg	0.0945U ng/Kg
SL-006-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.0605 ng/Kg	0.0605U ng/Kg
SL-006-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.112 ng/Kg	0.112U ng/Kg
SL-006-SA5DN-SB-9.0-10.0(RES)	OCDD	2.44 ng/Kg	2.44U ng/Kg
SL-006-SA5DN-SB-9.0-10.0(RES)	OCDF	0.263 ng/Kg	0.263U ng/Kg
SL-007-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.367 ng/Kg	0.367U ng/Kg
SL-007-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0691 ng/Kg	0.0691U ng/Kg
SL-007-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0606 ng/Kg	0.0606U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 9:47:42 AM

ADR version 1.4.0.111

Page 2 of 5

Method Blank Outlier Report

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-007-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0813 ng/Kg	0.0813U ng/Kg
SL-007-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0976 ng/Kg	0.0976U ng/Kg
SL-007-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0923 ng/Kg	0.0923U ng/Kg
SL-007-SA5DN-SB-4.0-5.0(RES)	OCDD	1.40 ng/Kg	1.40U ng/Kg
SL-007-SA5DN-SB-4.0-5.0(RES)	OCDF	0.210 ng/Kg	0.210U ng/Kg
SL-033-SA6-SB-2.5-3.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0637 ng/Kg	0.0637U ng/Kg
SL-033-SA6-SB-2.5-3.5(RES)	1,2,3,4,7,8-HXCDF	0.0799 ng/Kg	0.0799U ng/Kg
SL-033-SA6-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDF	0.114 ng/Kg	0.114U ng/Kg
SL-033-SA6-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDF	0.135 ng/Kg	0.135U ng/Kg
SL-033-SA6-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.248 ng/Kg	0.248U ng/Kg
SL-071-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0633 ng/Kg	0.0633U ng/Kg
SL-071-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0419 ng/Kg	0.0419U ng/Kg
SL-071-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0720 ng/Kg	0.0720U ng/Kg
SL-071-SA5DN-SB-4.0-5.0(RES)	OCDF	0.189 ng/Kg	0.189U ng/Kg
SL-071-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.729 ng/Kg	0.729U ng/Kg
SL-071-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0563 ng/Kg	0.0563U ng/Kg
SL-071-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0310 ng/Kg	0.0310U ng/Kg
SL-071-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0430 ng/Kg	0.0430U ng/Kg
SL-071-SA5DN-SB-9.0-10.0(RES)	OCDF	0.163 ng/Kg	0.163U ng/Kg
SL-072-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.287 ng/Kg	0.287U ng/Kg
SL-072-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0878 ng/Kg	0.0878U ng/Kg
SL-072-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.120 ng/Kg	0.120U ng/Kg
SL-072-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0802 ng/Kg	0.0802U ng/Kg
SL-151-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.281 ng/Kg	0.281U ng/Kg
SL-151-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0582 ng/Kg	0.0582U ng/Kg
SL-151-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0441 ng/Kg	0.0441U ng/Kg
SL-151-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0497 ng/Kg	0.0497U ng/Kg
SL-151-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.126 ng/Kg	0.126U ng/Kg
SL-151-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0481 ng/Kg	0.0481U ng/Kg
SL-151-SA6-SB-4.0-5.0(RES)	OCDD	1.13 ng/Kg	1.13U ng/Kg
SL-151-SA6-SB-4.0-5.0(RES)	OCDF	0.181 ng/Kg	0.181U ng/Kg
SL-151-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.313 ng/Kg	0.313U ng/Kg
SL-151-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0921 ng/Kg	0.0921U ng/Kg
SL-151-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0649 ng/Kg	0.0649U ng/Kg
SL-151-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0891 ng/Kg	0.0891U ng/Kg
SL-151-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.114 ng/Kg	0.114U ng/Kg
SL-151-SA6-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0958 ng/Kg	0.0958U ng/Kg
SL-151-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.102 ng/Kg	0.102U ng/Kg
SL-151-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.127 ng/Kg	0.127U ng/Kg
SL-151-SA6-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.218 ng/Kg	0.218U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 9:47:42 AM

ADR version 1.4.0.111

Page 3 of 5

Method Blank Outlier Report

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-151-SA6-SB-9.0-10.0(RES)	OCDD	0.891 ng/Kg	0.891U ng/Kg
SL-151-SA6-SB-9.0-10.0(RES)	OCDF	0.181 ng/Kg	0.181U ng/Kg
SL-155-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.232 ng/Kg	0.232U ng/Kg
SL-155-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0664 ng/Kg	0.0664U ng/Kg
SL-155-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0694 ng/Kg	0.0694U ng/Kg
SL-155-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0905 ng/Kg	0.0905U ng/Kg
SL-155-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0916 ng/Kg	0.0916U ng/Kg
SL-155-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.150 ng/Kg	0.150U ng/Kg
SL-155-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.110 ng/Kg	0.110U ng/Kg
SL-155-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.139 ng/Kg	0.139U ng/Kg
SL-155-SA6-SB-4.0-5.0(RES)	OCDD	0.725 ng/Kg	0.725U ng/Kg
SL-155-SA6-SB-4.0-5.0(RES)	OCDF	0.112 ng/Kg	0.112U ng/Kg
SL-174-SA6-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDD	0.395 ng/Kg	0.395U ng/Kg
SL-174-SA6-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.102 ng/Kg	0.102U ng/Kg
SL-174-SA6-SB-2.0-3.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0881 ng/Kg	0.0881U ng/Kg
SL-174-SA6-SB-2.0-3.0(RES)	1,2,3,4,7,8-HxCDF	0.128 ng/Kg	0.128U ng/Kg
SL-174-SA6-SB-2.0-3.0(RES)	1,2,3,6,7,8-HxCDF	0.117 ng/Kg	0.117U ng/Kg
SL-174-SA6-SB-2.0-3.0(RES)	1,2,3,7,8,9-HxCDD	0.144 ng/Kg	0.144U ng/Kg
SL-174-SA6-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.163 ng/Kg	0.163U ng/Kg
SL-174-SA6-SB-2.0-3.0(RES)	OCDD	1.06 ng/Kg	1.06U ng/Kg
SL-174-SA6-SB-2.0-3.0(RES)	OCDF	0.147 ng/Kg	0.147U ng/Kg
SL-182-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.362 ng/Kg	0.362U ng/Kg
SL-182-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0898 ng/Kg	0.0898U ng/Kg
SL-182-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0699 ng/Kg	0.0699U ng/Kg
SL-182-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.201 ng/Kg	0.201U ng/Kg
SL-182-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.202 ng/Kg	0.202U ng/Kg
SL-182-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.151 ng/Kg	0.151U ng/Kg
SL-182-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.170 ng/Kg	0.170U ng/Kg
SL-182-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.163 ng/Kg	0.163U ng/Kg
SL-182-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.244 ng/Kg	0.244U ng/Kg
SL-182-SA6-SB-4.0-5.0(RES)	OCDF	0.232 ng/Kg	0.232U ng/Kg
SL-182-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.205 ng/Kg	0.205U ng/Kg
SL-182-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0749 ng/Kg	0.0749U ng/Kg
SL-182-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.108 ng/Kg	0.108U ng/Kg
SL-182-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.154 ng/Kg	0.154U ng/Kg
SL-182-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.121 ng/Kg	0.121U ng/Kg
SL-182-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.183 ng/Kg	0.183U ng/Kg
SL-182-SA6-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.242 ng/Kg	0.242U ng/Kg
SL-182-SA6-SB-9.0-10.0(RES)	OCDD	0.713 ng/Kg	0.713U ng/Kg
SL-182-SA6-SB-9.0-10.0(RES)	OCDF	0.214 ng/Kg	0.214U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 9:47:42 AM

ADR version 1.4.0.111

Page 4 of 5

Method Blank Outlier Report

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-183-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.505 ng/Kg	0.505U ng/Kg
SL-183-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.143 ng/Kg	0.143U ng/Kg
SL-183-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0969 ng/Kg	0.0969U ng/Kg
SL-183-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.131 ng/Kg	0.131U ng/Kg
SL-183-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0731 ng/Kg	0.0731U ng/Kg
SL-183-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.123 ng/Kg	0.123U ng/Kg
SL-183-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0788 ng/Kg	0.0788U ng/Kg
SL-183-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.142 ng/Kg	0.142U ng/Kg
SL-183-SA6-SB-4.0-5.0(RES)	OCDF	0.172 ng/Kg	0.172U ng/Kg
SL-183-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.319 ng/Kg	0.319U ng/Kg
SL-183-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0403 ng/Kg	0.0403U ng/Kg
SL-183-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0560 ng/Kg	0.0560U ng/Kg
SL-183-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.0561 ng/Kg	0.0561U ng/Kg
SL-183-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.0576 ng/Kg	0.0576U ng/Kg
SL-183-SA6-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0471 ng/Kg	0.0471U ng/Kg
SL-183-SA6-SB-9.0-10.0(RES)	OCDD	0.572 ng/Kg	0.572U ng/Kg
SL-183-SA6-SB-9.0-10.0(RES)	OCDF	0.307 ng/Kg	0.307U ng/Kg
SL-185-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.512 ng/Kg	0.512U ng/Kg
SL-185-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0569 ng/Kg	0.0569U ng/Kg
SL-185-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0581 ng/Kg	0.0581U ng/Kg
SL-185-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0495 ng/Kg	0.0495U ng/Kg
SL-185-SA6-SB-4.0-5.0(RES)	OCDF	0.133 ng/Kg	0.133U ng/Kg
SL-185-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.159 ng/Kg	0.159U ng/Kg
SL-185-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0381 ng/Kg	0.0381U ng/Kg
SL-185-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0597 ng/Kg	0.0597U ng/Kg
SL-185-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.0768 ng/Kg	0.0768U ng/Kg
SL-185-SA6-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.120 ng/Kg	0.120U ng/Kg
SL-185-SA6-SB-9.0-10.0(RES)	OCDD	1.04 ng/Kg	1.04U ng/Kg
SL-185-SA6-SB-9.0-10.0(RES)	OCDF	0.214 ng/Kg	0.214U ng/Kg
SL-207-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.287 ng/Kg	0.287U ng/Kg
SL-207-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0816 ng/Kg	0.0816U ng/Kg
SL-207-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0557 ng/Kg	0.0557U ng/Kg
SL-207-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0579 ng/Kg	0.0579U ng/Kg
SL-207-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0791 ng/Kg	0.0791U ng/Kg
SL-207-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0982 ng/Kg	0.0982U ng/Kg
SL-207-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0769 ng/Kg	0.0769U ng/Kg
SL-207-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0923 ng/Kg	0.0923U ng/Kg
SL-207-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.163 ng/Kg	0.163U ng/Kg
SL-207-SA5DN-SB-4.0-5.0(RES)	OCDD	1.21 ng/Kg	1.21U ng/Kg
SL-207-SA5DN-SB-4.0-5.0(RES)	OCDF	0.162 ng/Kg	0.162U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 9:47:42 AM

ADR version 1.4.0.111

Page 5 of 5

Field Duplicate RPD Report

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-155-SA6-SB-4.0-5.0	DUP24-SA6-QC-081111			
MOISTURE	5.6	5.0	11		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-155-SA6-SB-4.0-5.0	DUP24-SA6-QC-081111			
1,2,3,4,6,7,8-HPCDD	0.232	0.232	0	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	0.0664	0.0533	22	50.00	
1,2,3,6,7,8-HXCDF	0.0916	0.0558	49	50.00	
OCDD	0.725	0.660	9	50.00	
1,2,3,4,7,8-HxCDD	0.0694	5.18 U	200	50.00	J(all detects) UJ(all non-detects)
1,2,3,4,7,8-HXCDF	0.0905	5.18 U	200	50.00	
1,2,3,6,7,8-HxCDD	0.0909	5.18 U	200	50.00	
1,2,3,7,8,9-HxCDD	0.150	0.0534	95	50.00	
1,2,3,7,8,9-HXCDF	0.110	0.0562	65	50.00	
1,2,3,7,8-PECDD	0.185	0.0893	70	50.00	
1,2,3,7,8-PECDF	0.164	5.18 U	200	50.00	
2,3,4,6,7,8-HXCDF	0.0675	5.18 U	200	50.00	
2,3,4,7,8-PECDF	0.139	0.0707	65	50.00	
OCDF	0.112	0.226	67	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB-SA5DN-SB-081111	1,2,3,4,6,7,8-HPCDD	JB	2.76	10.6	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.446	10.6	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	0.161	10.6	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.217	10.6	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JBQ	0.274	10.6	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JB	0.164	10.6	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JBQ	0.193	10.6	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JBQ	0.200	10.6	PQL	pg/L	
	1,2,3,7,8-PECDD	JB	0.136	10.6	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.0761	10.6	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.126	10.6	PQL	pg/L	
	2,3,4,7,8-PECDF	JB	0.273	10.6	PQL	pg/L	
	2,3,7,8-TCDD	JBQ	0.152	2.11	PQL	pg/L	
	OCDD	JB	4.40	21.1	PQL	pg/L	
	OCDF	JB	0.433	21.1	PQL	pg/L	

Method: 1613B
Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP24-SA6-QC-081111	1,2,3,4,6,7,8-HPCDD	JB	0.232	5.18	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0533	5.18	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0558	5.18	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0534	5.18	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0562	5.18	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0893	5.18	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0707	5.18	PQL	ng/Kg	
	OCDD	JB	0.660	10.4	PQL	ng/Kg	
SL-006-SA5DN-SB-4.0-5.0	OCDF	JBQ	0.226	10.4	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDD	JB	1.55	5.66	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.319	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0768	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0663	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.105	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0327	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.135	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0986	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0828	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0468	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JQ	0.0584	5.66	PQL	ng/Kg	
	OCDF	JBQ	0.827	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-006-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.361	5.57	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0869	5.57	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0536	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0477	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.106	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.0590	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0769	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0945	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0605	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.116	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0939	5.57	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	J	0.0503	5.57	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.112	5.57	PQL	ng/Kg	
	OCDD	JB	2.44	11.1	PQL	ng/Kg	
	OCDF	JB	0.263	11.1	PQL	ng/Kg	
SL-007-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.367	5.82	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0691	5.82	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0606	5.82	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0813	5.82	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.219	5.82	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0976	5.82	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.375	5.82	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0843	5.82	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JQ	0.0768	5.82	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0923	5.82	PQL	ng/Kg	
	OCDD	JBQ	1.40	11.6	PQL	ng/Kg	
	OCDF	JBQ	0.210	11.6	PQL	ng/Kg	
SL-033-SA6-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JB	4.60	5.18	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.947	5.18	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0637	5.18	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0799	5.18	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.196	5.18	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.114	5.18	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.237	5.18	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.135	5.18	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0952	5.18	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JQ	0.134	5.18	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.248	5.18	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.112	1.04	PQL	ng/Kg	
	OCDF	JB	2.48	10.4	PQL	ng/Kg	
SL-071-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	1.32	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0633	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0419	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	0.0705	5.71	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0720	5.71	PQL	ng/Kg	
	OCDF	JB	0.189	11.4	PQL	ng/Kg	
SL-071-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.729	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	0.0563	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0310	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0528	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JQ	0.0557	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0430	5.53	PQL	ng/Kg	
	OCDD	JB	2.98	11.1	PQL	ng/Kg	
	OCDF	JB	0.163	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-072-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	2.30	5.93	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.287	5.93	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.950	5.93	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0878	5.93	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.477	5.93	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.120	5.93	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0947	5.93	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JQ	0.220	5.93	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0802	5.93	PQL	ng/Kg	
	OCDF	JB	5.56	11.9	PQL	ng/Kg	
SL-151-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.281	5.20	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0582	5.20	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0441	5.20	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0504	5.20	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0497	5.20	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.126	5.20	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0458	5.20	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	J	0.0398	5.20	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0481	5.20	PQL	ng/Kg	
	OCDD	JB	1.13	10.4	PQL	ng/Kg	
	OCDF	JB	0.181	10.4	PQL	ng/Kg	
SL-151-SA6-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.313	5.59	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0921	5.59	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0649	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0891	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.114	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0887	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0958	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.102	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.127	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.274	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.213	5.59	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JQ	0.0772	5.59	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.218	5.59	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.128	1.12	PQL	ng/Kg	
	OCDD	JBQ	0.891	11.2	PQL	ng/Kg	
	OCDF	JB	0.181	11.2	PQL	ng/Kg	
SL-155-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.232	5.28	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0664	5.28	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0694	5.28	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0905	5.28	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.0909	5.28	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0916	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.150	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.110	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.185	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.164	5.28	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	J	0.0675	5.28	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.139	5.28	PQL	ng/Kg	
	OCDD	JB	0.725	10.6	PQL	ng/Kg	
	OCDF	JBQ	0.112	10.6	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-174-SA6-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JB	0.395	5.21	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.102	5.21	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0881	5.21	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.128	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.154	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.117	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.144	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.119	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.103	5.21	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	J	0.113	5.21	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.163	5.21	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.101	1.04	PQL	ng/Kg	
	OCDD	JB	1.06	10.4	PQL	ng/Kg	
	OCDF	JBQ	0.147	10.4	PQL	ng/Kg	
SL-182-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.362	5.25	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0898	5.25	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0699	5.25	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.201	5.25	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.202	5.25	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.131	5.25	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.151	5.25	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.170	5.25	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.163	5.25	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.146	5.25	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.325	5.25	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JQ	0.126	5.25	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.244	5.25	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.128	1.05	PQL	ng/Kg	
SL-182-SA6-SB-9.0-10.0	OCDD	JB	3.62	10.5	PQL	ng/Kg	J (all detects)
	OCDF	JB	0.232	10.5	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDD	JB	0.205	5.60	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.0749	5.60	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.108	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.154	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0984	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.197	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.121	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.183	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.287	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.159	5.60	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	J	0.0407	5.60	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.242	5.60	PQL	ng/Kg	
	OCDD	JBQ	0.713	11.2	PQL	ng/Kg	
	OCDF	JBQ	0.214	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-183-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.505	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.143	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0969	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.131	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.136	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0731	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.123	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0788	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.203	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.233	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JQ	0.0800	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.142	5.48	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.136	1.10	PQL	ng/Kg	
	OCDD	JB	3.53	11.0	PQL	ng/Kg	
	OCDF	JB	0.172	11.0	PQL	ng/Kg	
SL-183-SA6-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.319	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0403	5.53	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0560	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0561	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0576	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	J	0.0399	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0471	5.53	PQL	ng/Kg	
	OCDD	JB	0.572	11.1	PQL	ng/Kg	
SL-185-SA6-SB-4.0-5.0	OCDF	JB	0.307	11.1	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDD	JBQ	0.512	5.52	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0569	5.52	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0581	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.475	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0631	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0752	5.52	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0495	5.52	PQL	ng/Kg	
SL-185-SA6-SB-9.0-10.0	2,3,7,8-TCDF	J	0.0786	1.10	PQL	ng/Kg	J (all detects)
	OCDD	JB	3.90	11.0	PQL	ng/Kg	
	OCDF	JBQ	0.133	11.0	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDD	JB	0.159	5.57	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0381	5.57	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0597	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.0760	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0768	5.57	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.120	5.57	PQL	ng/Kg	J (all detects)
	2,3,7,8-TCDD	J	0.0961	1.11	PQL	ng/Kg	
	OCDD	JB	1.04	11.1	PQL	ng/Kg	
	OCDF	JBQ	0.214	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX127

Laboratory: LL

EDD Filename: DX127_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-207-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.287	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0816	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0557	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0579	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0791	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.106	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0982	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0769	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0923	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.180	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.218	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JQ	0.0740	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.163	5.66	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.105	1.13	PQL	ng/Kg	
	OCDD	JB	1.21	11.3	PQL	ng/Kg	
	OCDF	JB	0.162	11.3	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX129

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
17-Aug-2011	SL-154-SA6-SB-3.0-4.0	6380503	N	METHOD	1613B	III
17-Aug-2011	SL-224-SA6-SB-3.0-4.0	6380506	N	METHOD	1613B	III
17-Aug-2011	SL-224-SA6-SB-3.0-4.0MS	6380507	MS	METHOD	1613B	III
17-Aug-2011	SL-224-SA6-SB-3.0-4.0MSD	6380508	MSD	METHOD	1613B	III
17-Aug-2011	DUP12-SA6-QC-081711	6380510	FD	METHOD	1613B	III
17-Aug-2011	SL-221-SA6-SB-1.0-2.0	6380504	N	METHOD	1613B	III
17-Aug-2011	SL-223-SA6-SB-2.5-3.5	6380505	N	METHOD	1613B	III
17-Aug-2011	EB-SA6-SB-081711	6380511	EB	METHOD	1613B	III
17-Aug-2011	SL-226-SA6-SB-3.5-4.5	6380509	N	METHOD	1613B	III
19-Aug-2011	SL-315-SA6-SB-3.0-4.0	6382932	N	METHOD	1613B	III
19-Aug-2011	SL-214-SA6-SB-1.0-2.0	6382933	N	METHOD	1613B	III
22-Aug-2011	SL-007-SA5DN-SS-0.0-0.5	6384486	N	METHOD	1613B	III
22-Aug-2011	SL-215-SA6-SB-4.0-5.0	6384477	N	METHOD	1613B	III
22-Aug-2011	SL-310-SA6-SB-4.0-5.0	6384485	N	METHOD	1613B	III
22-Aug-2011	SL-279-SA6-SB-1.0-2.0	6384482	N	METHOD	1613B	III
22-Aug-2011	SL-279-SA6-SB-4.0-5.0	6384483	N	METHOD	1613B	III
22-Aug-2011	SL-242-SA6-SB-9.0-10.0	6384481	N	METHOD	1613B	III
22-Aug-2011	SL-242-SA6-SB-4.0-5.0	6384480	N	METHOD	1613B	III
22-Aug-2011	SL-279-SA6-SB-9.0-10.0	6384484	N	METHOD	1613B	III
22-Aug-2011	SL-241-SA6-SB-4.0-5.0	6384478	N	METHOD	1613B	III
22-Aug-2011	SL-241-SA6-SB-9.0-10.0	6384479	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	GENCHEM
Method:	1613B
Matrix:	AQ

Sample ID: EB-SA6-SB-081711

Collected: 8/17/2011 1:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.81	JBQ	0.554	MDL	9.56	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	0.562	JBQ	0.236	MDL	9.56	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.367	JBQ	0.274	MDL	9.56	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.405	JBQ	0.372	MDL	9.56	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDF	0.277	JBQ	0.185	MDL	9.56	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDD	0.522	JBQ	0.373	MDL	9.56	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDF	0.316	JBQ	0.186	MDL	9.56	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.710	JBQ	0.490	MDL	9.56	PQL	pg/L	U	B
2,3,4,6,7,8-HxCDF	0.303	JBQ	0.172	MDL	9.56	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.740	JB	0.233	MDL	9.56	PQL	pg/L	U	B
OCDD	4.18	JBQ	0.374	MDL	19.1	PQL	pg/L	U	B
OCDF	0.569	JBQ	0.553	MDL	19.1	PQL	pg/L	U	B

Method Category:	GENCHEM
Method:	1613B
Matrix:	SO

Sample ID: DUP12-SA6-QC-081711

Collected: 8/17/2011 10:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.310	JBQ	0.0390	MDL	5.30	PQL	ng/Kg	UJ	B, FD
1,2,3,4,6,7,8-HPCDF	0.156	JB	0.0139	MDL	5.30	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.230	J	0.0482	MDL	5.30	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HxCDF	0.339	JB	0.0299	MDL	5.30	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HxCDD	0.244	JBQ	0.0475	MDL	5.30	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HxCDF	0.344	JB	0.0276	MDL	5.30	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HxCDD	0.230	JB	0.0452	MDL	5.30	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HxCDF	0.229	JB	0.0307	MDL	5.30	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDD	0.483	JBQ	0.0624	MDL	5.30	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDF	0.585	JB	0.0344	MDL	5.30	PQL	ng/Kg	J	Z, FD
2,3,4,6,7,8-HxCDF	0.190	JBQ	0.0277	MDL	5.30	PQL	ng/Kg	J	Z, FD
2,3,4,7,8-PECDF	0.442	JB	0.0332	MDL	5.30	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDD	0.0807	JQ	0.0802	MDL	1.06	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDF	0.110	JQ	0.0573	MDL	1.06	PQL	ng/Kg	J	Z, FD
OCDD	0.299	JBQ	0.0365	MDL	10.6	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:32:56 AM

ADR version 1.4.0.111

Page 1 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: DUP12-SA6-QC-081711

Collected: 8/17/2011 10:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	0.208	J	0.0569	MDL	10.6	PQL	ng/Kg	J	Z

Sample ID: SL-007-SA5DN-SS-0.0-0.5

Collected: 8/22/2011 8:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	3.19	JB	0.0378	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	1.57	J	0.0433	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.304	JQ	0.0642	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.739	JB	0.0634	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	3.15	JB	0.0751	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.621	JB	0.0629	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	2.04	JB	0.0807	MDL	5.55	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.94	JB	0.0746	MDL	5.55	PQL	ng/Kg	J	Z
OCDF	4.88	J	0.0558	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-154-SA6-SB-3.0-4.0

Collected: 8/17/2011 7:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.382	JB	0.0461	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0307	JBQ	0.0121	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0300	JQ	0.0263	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0301	JB	0.0197	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0292	JBQ	0.0169	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0723	JBQ	0.0342	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0295	JBQ	0.0233	MDL	5.24	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0293	JBQ	0.0186	MDL	5.24	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0537	JBQ	0.0241	MDL	5.24	PQL	ng/Kg	U	B
OCDD	4.14	JB	0.0432	MDL	10.5	PQL	ng/Kg	J	Z
OCDF	0.0760	JQ	0.0708	MDL	10.5	PQL	ng/Kg	J	Z

Sample ID: SL-214-SA6-SB-1.0-2.0

Collected: 8/19/2011 11:32:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.443	JB	0.0448	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.133	JBQ	0.0139	MDL	5.34	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:32:56 AM

ADR version 1.4.0.111

Page 2 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-214-SA6-SB-1.0-2.0

Collected: 8/19/2011 11:32:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.0450	JQ	0.0232	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.159	JQ	0.0446	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.210	JB	0.0271	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.142	JBQ	0.0432	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.186	JB	0.0248	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.229	JB	0.0432	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.137	JB	0.0278	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.212	JB	0.0727	MDL	5.34	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0933	JBQ	0.0248	MDL	5.34	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.313	JBQ	0.0288	MDL	5.34	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0910	JQ	0.0841	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0765	JQ	0.0530	MDL	1.07	PQL	ng/Kg	J	Z
OCDD	1.07	JB	0.0335	MDL	10.7	PQL	ng/Kg	U	B

Sample ID: SL-215-SA6-SB-4.0-5.0

Collected: 8/22/2011 8:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.27	JB	0.0609	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.539	JB	0.0189	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0675	JQ	0.0287	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.119	J	0.0444	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0803	JBQ	0.0287	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.193	JB	0.0450	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0649	JBQ	0.0257	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.212	JB	0.0434	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0339	JBQ	0.0322	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0891	JB	0.0608	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0542	JB	0.0263	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0727	JBQ	0.0292	MDL	5.53	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0689	JQ	0.0617	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	1.81	JQ	0.0649	MDL	11.1	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:32:56 AM

ADR version 1.4.0.111

Page 3 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-221-SA6-SB-1.0-2.0

Collected: 8/17/2011 10:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.06	JBQ	0.0597	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.170	JB	0.0163	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0420	JBQ	0.0230	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.102	JBQ	0.0381	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0361	JBQ	0.0209	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0801	JBQ	0.0409	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0409	JBQ	0.0278	MDL	5.29	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0302	JBQ	0.0221	MDL	5.29	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0437	JBQ	0.0256	MDL	5.29	PQL	ng/Kg	U	B
OCDF	0.512	JQ	0.0683	MDL	10.6	PQL	ng/Kg	J	Z

Sample ID: SL-223-SA6-SB-2.5-3.5

Collected: 8/17/2011 11:56:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.358	JB	0.0611	MDL	5.00	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0574	JBQ	0.0180	MDL	5.00	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0303	JB	0.0270	MDL	5.00	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0970	JBQ	0.0389	MDL	5.00	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0868	JBQ	0.0279	MDL	5.00	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0875	JBQ	0.0742	MDL	5.00	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0888	JB	0.0347	MDL	5.00	PQL	ng/Kg	U	B
OCDD	2.16	JB	0.0413	MDL	10.0	PQL	ng/Kg	J	Z
OCDF	0.367	JQ	0.0953	MDL	10.0	PQL	ng/Kg	J	Z

Sample ID: SL-224-SA6-SB-3.0-4.0

Collected: 8/17/2011 10:06:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.131	JBQ	0.0533	MDL	5.26	PQL	ng/Kg	UJ	B, FD
1,2,3,4,6,7,8-HPCDF	0.0332	JB	0.0182	MDL	5.26	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.0433	U	0.0433	MDL	5.26	PQL	ng/Kg	UJ	FD
1,2,3,4,7,8-HXCDF	0.0268	U	0.0268	MDL	5.26	PQL	ng/Kg	UJ	FD
1,2,3,6,7,8-HXCDD	0.0414	U	0.0414	MDL	5.26	PQL	ng/Kg	UJ	FD
1,2,3,6,7,8-HXCDF	0.0232	U	0.0232	MDL	5.26	PQL	ng/Kg	UJ	FD
1,2,3,7,8,9-HXCDD	0.0949	JBQ	0.0389	MDL	5.26	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDF	0.0239	U	0.0239	MDL	5.26	PQL	ng/Kg	UJ	FD

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:32:56 AM

ADR version 1.4.0.111

Page 4 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-224-SA6-SB-3.0-4.0

Collected: 8/17/2011 10:06:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDD	0.0659	U	0.0659	MDL	5.26	PQL	ng/Kg	UJ	FD
1,2,3,7,8-PECDF	0.0312	JB	0.0292	MDL	5.26	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HXCDF	0.0209	U	0.0209	MDL	5.26	PQL	ng/Kg	UJ	FD
2,3,4,7,8-PECDF	0.0298	JBQ	0.0287	MDL	5.26	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0769	U	0.0769	MDL	1.05	PQL	ng/Kg	UJ	FD
2,3,7,8-TCDF	0.0635	U	0.0635	MDL	1.05	PQL	ng/Kg	UJ	FD
OCDD	0.263	JBQ	0.0435	MDL	10.5	PQL	ng/Kg	U	B
OCDF	0.133	JQ	0.0823	MDL	10.5	PQL	ng/Kg	J	Z

Sample ID: SL-226-SA6-SB-3.5-4.5

Collected: 8/17/2011 2:53:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.946	JB	0.0518	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.219	JB	0.0157	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0948	J	0.0255	MDL	5.18	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.165	J	0.0376	MDL	5.18	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.196	JB	0.0298	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.230	JB	0.0376	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.189	JBQ	0.0272	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.233	JBQ	0.0357	MDL	5.18	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.225	JB	0.0307	MDL	5.18	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.229	JB	0.0620	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.344	JB	0.0310	MDL	5.18	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.128	JBQ	0.0275	MDL	5.18	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.314	JB	0.0289	MDL	5.18	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.170	JQ	0.0763	MDL	1.04	PQL	ng/Kg	J	Z
OCDF	0.539	J	0.0608	MDL	10.4	PQL	ng/Kg	J	Z

Sample ID: SL-241-SA6-SB-4.0-5.0

Collected: 8/22/2011 12:12:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.282	JBQ	0.0363	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0463	JBQ	0.0109	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0399	J	0.0165	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0506	JB	0.0187	MDL	5.21	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:32:56 AM

ADR version 1.4.0.111

Page 5 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-241-SA6-SB-4.0-5.0

Collected: 8/22/2011 12:12:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDD	0.0570	JB	0.0255	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0240	JB	0.0168	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0388	JBQ	0.0248	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0320	JBQ	0.0194	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0225	JBQ	0.0218	MDL	5.21	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0267	JBQ	0.0162	MDL	5.21	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0522	JB	0.0206	MDL	5.21	PQL	ng/Kg	U	B
OCDD	1.56	JB	0.0329	MDL	10.4	PQL	ng/Kg	U	B
OCDF	0.107	J	0.0465	MDL	10.4	PQL	ng/Kg	J	Z

Sample ID: SL-241-SA6-SB-9.0-10.0

Collected: 8/22/2011 12:13:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.283	JB	0.0420	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0462	JB	0.0103	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0313	JQ	0.0155	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0239	JBQ	0.0190	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0483	JB	0.0293	MDL	5.37	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0221	JBQ	0.0172	MDL	5.37	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0861	JBQ	0.0221	MDL	5.37	PQL	ng/Kg	U	B
OCDD	0.480	JB	0.0321	MDL	10.7	PQL	ng/Kg	U	B
OCDF	0.147	JQ	0.0565	MDL	10.7	PQL	ng/Kg	J	Z

Sample ID: SL-242-SA6-SB-4.0-5.0

Collected: 8/22/2011 11:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.315	JB	0.0422	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0498	JB	0.0109	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0427	JQ	0.0183	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0257	JB	0.0196	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.114	JBQ	0.0288	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0239	JBQ	0.0175	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.218	JB	0.0276	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.216	JB	0.0206	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0640	JBQ	0.0218	MDL	5.29	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:32:56 AM

ADR version 1.4.0.111

Page 6 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-242-SA6-SB-4.0-5.0

Collected: 8/22/2011 11:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,6,7,8-HXCDF	0.0301	JBQ	0.0179	MDL	5.29	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0342	JB	0.0213	MDL	5.29	PQL	ng/Kg	U	B
OCDD	2.25	JB	0.0320	MDL	10.6	PQL	ng/Kg	J	Z
OCDF	0.100	JQ	0.0536	MDL	10.6	PQL	ng/Kg	J	Z

Sample ID: SL-242-SA6-SB-9.0-10.0

Collected: 8/22/2011 11:04:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.365	JB	0.0421	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.122	JBQ	0.0137	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0507	JQ	0.0223	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.0342	JQ	0.0341	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0763	JBQ	0.0253	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0837	JBQ	0.0348	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0473	JBQ	0.0232	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0946	JBQ	0.0344	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0529	JBQ	0.0264	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0885	JBQ	0.0537	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.195	JBQ	0.0292	MDL	5.25	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0765	JBQ	0.0232	MDL	5.25	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.170	JB	0.0264	MDL	5.25	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0834	J	0.0686	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0563	JQ	0.0512	MDL	1.05	PQL	ng/Kg	J	Z
OCDD	1.41	JB	0.0368	MDL	10.5	PQL	ng/Kg	U	B
OCDF	0.166	JQ	0.0489	MDL	10.5	PQL	ng/Kg	J	Z

Sample ID: SL-279-SA6-SB-1.0-2.0

Collected: 8/22/2011 10:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.969	JB	0.0452	MDL	5.08	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.166	JB	0.0120	MDL	5.08	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0667	J	0.0254	MDL	5.08	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.0900	J	0.0345	MDL	5.08	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.196	JB	0.0269	MDL	5.08	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.156	JB	0.0362	MDL	5.08	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:32:56 AM

ADR version 1.4.0.111

Page 7 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-279-SA6-SB-1.0-2.0

Collected: 8/22/2011 10:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDF	0.169	JBQ	0.0233	MDL	5.08	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.151	JB	0.0351	MDL	5.08	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.162	JB	0.0289	MDL	5.08	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.222	JB	0.0450	MDL	5.08	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.324	JB	0.0250	MDL	5.08	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.111	JBQ	0.0240	MDL	5.08	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.301	JB	0.0249	MDL	5.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0657	J	0.0533	MDL	1.02	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0889	J	0.0408	MDL	1.02	PQL	ng/Kg	J	Z
OCDD	9.19	JB	0.0400	MDL	10.2	PQL	ng/Kg	J	Z
OCDF	0.372	JQ	0.0524	MDL	10.2	PQL	ng/Kg	J	Z

Sample ID: SL-279-SA6-SB-4.0-5.0

Collected: 8/22/2011 11:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.389	JBQ	0.0458	MDL	5.13	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.157	JB	0.0144	MDL	5.13	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0531	JQ	0.0258	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.138	JQ	0.0376	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.178	JB	0.0270	MDL	5.13	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.150	JBQ	0.0383	MDL	5.13	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.142	JBQ	0.0234	MDL	5.13	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.131	JBQ	0.0382	MDL	5.13	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.153	JBQ	0.0259	MDL	5.13	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.315	JBQ	0.0619	MDL	5.13	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.334	JB	0.0293	MDL	5.13	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.119	JBQ	0.0243	MDL	5.13	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.320	JB	0.0278	MDL	5.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.121	J	0.0741	MDL	1.03	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0977	JQ	0.0489	MDL	1.03	PQL	ng/Kg	J	Z
OCDD	1.95	JB	0.0362	MDL	10.3	PQL	ng/Kg	U	B
OCDF	0.161	JQ	0.0628	MDL	10.3	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:32:56 AM

ADR version 1.4.0.111

Page 8 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-279-SA6-SB-9.0-10.0

Collected: 8/22/2011 11:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.57	JB	0.0484	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.271	JBQ	0.0158	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0889	J	0.0316	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.116	JQ	0.0368	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.211	JB	0.0243	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.146	JB	0.0368	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.145	JBQ	0.0213	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.125	JBQ	0.0370	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.124	JB	0.0274	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.126	JBQ	0.0511	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.230	JB	0.0270	MDL	5.39	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0814	JB	0.0232	MDL	5.39	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.224	JBQ	0.0258	MDL	5.39	PQL	ng/Kg	U	B
OCDF	0.654	JQ	0.0621	MDL	10.8	PQL	ng/Kg	J	Z

Sample ID: SL-310-SA6-SB-4.0-5.0

Collected: 8/22/2011 9:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.28	JB	0.0348	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.301	JB	0.0139	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0415	JB	0.0205	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0491	JB	0.0154	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.170	JBQ	0.0246	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0273	JB	0.0135	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.210	JBQ	0.0230	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.113	JBQ	0.0163	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0304	JBQ	0.0181	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0750	JBQ	0.0135	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0322	JBQ	0.0138	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0637	JBQ	0.0138	MDL	5.48	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0246	J	0.0218	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	0.781	JB	0.0285	MDL	11.0	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:32:56 AM

ADR version 1.4.0.111

Page 9 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 1613B

Matrix: SO

Sample ID: SL-315-SA6-SB-3.0-4.0

Collected: 8/19/2011 8:14:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.46	JB	0.0315	MDL	5.18	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.491	J	0.0494	MDL	5.18	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.458	JQ	0.0561	MDL	5.18	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.353	JB	0.0351	MDL	5.18	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.537	JBQ	0.0545	MDL	5.18	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.280	JB	0.0316	MDL	5.18	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.370	JB	0.0523	MDL	5.18	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.226	JBQ	0.0343	MDL	5.18	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.615	JB	0.0524	MDL	5.18	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.516	JBQ	0.0277	MDL	5.18	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.264	JB	0.0306	MDL	5.18	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.464	JB	0.0256	MDL	5.18	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.163	JQ	0.0548	MDL	1.04	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0808	J	0.0416	MDL	1.04	PQL	ng/Kg	J	Z
OCDF	4.83	J	0.0503	MDL	10.4	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:32:56 AM

ADR version 1.4.0.111

Page 10 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Laboratory Triplicate Precision
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*#	Professional Judgment
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:32:56 AM

ADR version 1.4.0.111

Page 11 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation
Q	Matrix Spike Upper Rejection

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:32:56 AM

ADR version 1.4.0.111

Page 12 of 13

Data Qualifier Summary

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:32:56 AM

ADR version 1.4.0.111

Page 13 of 13

Enclosure I

Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX129

Method Blank Outlier Report

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK2340B371734	8/23/2011 5:34:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF OCDD OCDF	2.80 pg/L 0.632 pg/L 0.512 pg/L 0.765 pg/L 0.547 pg/L 0.856 pg/L 0.489 pg/L 0.876 pg/L 0.588 pg/L 0.858 pg/L 0.562 pg/L 1.02 pg/L 6.56 pg/L 2.84 pg/L	EB-SA6-SB-081711

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
EB-SA6-SB-081711(RES)	1,2,3,4,6,7,8-HPCDD	2.81 pg/L	2.81U pg/L
EB-SA6-SB-081711(RES)	1,2,3,4,6,7,8-HPCDF	0.562 pg/L	0.562U pg/L
EB-SA6-SB-081711(RES)	1,2,3,4,7,8,9-HPCDF	0.367 pg/L	0.367U pg/L
EB-SA6-SB-081711(RES)	1,2,3,4,7,8-HxCDD	0.405 pg/L	0.405U pg/L
EB-SA6-SB-081711(RES)	1,2,3,6,7,8-HxCDF	0.277 pg/L	0.277U pg/L
EB-SA6-SB-081711(RES)	1,2,3,7,8,9-HxCDD	0.522 pg/L	0.522U pg/L
EB-SA6-SB-081711(RES)	1,2,3,7,8,9-HxCDF	0.316 pg/L	0.316U pg/L
EB-SA6-SB-081711(RES)	1,2,3,7,8-PECDD	0.710 pg/L	0.710U pg/L
EB-SA6-SB-081711(RES)	2,3,4,6,7,8-HxCDF	0.303 pg/L	0.303U pg/L
EB-SA6-SB-081711(RES)	2,3,4,7,8-PECDF	0.740 pg/L	0.740U pg/L
EB-SA6-SB-081711(RES)	OCDD	4.18 pg/L	4.18U pg/L
EB-SA6-SB-081711(RES)	OCDF	0.569 pg/L	0.569U pg/L

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK2380B370305	8/30/2011 3:05:00 AM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF OCDD	0.236 ng/Kg 0.0494 ng/Kg 0.0519 ng/Kg 0.0513 ng/Kg 0.0537 ng/Kg 0.0428 ng/Kg 0.0356 ng/Kg 0.0682 ng/Kg 0.0365 ng/Kg 0.0234 ng/Kg 0.0544 ng/Kg 0.426 ng/Kg	DUP12-SA6-QC-081711 SL-007-SA5DN-SS-0.0-0.5 SL-154-SA6-SB-3.0-4.0 SL-214-SA6-SB-1.0-2.0 SL-215-SA6-SB-4.0-5.0 SL-221-SA6-SB-1.0-2.0 SL-223-SA6-SB-2.5-3.5 SL-224-SA6-SB-3.0-4.0 SL-226-SA6-SB-3.5-4.5 SL-241-SA6-SB-4.0-5.0 SL-241-SA6-SB-9.0-10.0 SL-242-SA6-SB-4.0-5.0 SL-242-SA6-SB-9.0-10.0 SL-279-SA6-SB-1.0-2.0 SL-279-SA6-SB-4.0-5.0 SL-279-SA6-SB-9.0-10.0 SL-315-SA6-SB-3.0-4.0

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:32:01 AM

ADR version 1.4.0.111

Page 1 of 5

Method Blank Outlier Report

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK2410B372134	8/30/2011 9:34:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8,9-HPCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF OCDD OCDF	0.173 ng/Kg 0.0734 ng/Kg 0.0294 ng/Kg 0.0282 ng/Kg 0.0284 ng/Kg 0.0221 ng/Kg 0.0303 ng/Kg 0.0198 ng/Kg 0.0230 ng/Kg 0.0366 ng/Kg 0.0276 ng/Kg 0.0245 ng/Kg 0.0636 ng/Kg 0.349 ng/Kg 0.0879 ng/Kg	SL-310-SA6-SB-4.0-5.0

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP12-SA6-QC-081711(RES)	1,2,3,4,6,7,8-HPCDD	0.310 ng/Kg	0.310U ng/Kg
DUP12-SA6-QC-081711(RES)	1,2,3,4,6,7,8-HPCDF	0.156 ng/Kg	0.156U ng/Kg
DUP12-SA6-QC-081711(RES)	1,2,3,6,7,8-HxCDD	0.244 ng/Kg	0.244U ng/Kg
DUP12-SA6-QC-081711(RES)	OCDD	0.299 ng/Kg	0.299U ng/Kg
SL-154-SA6-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.382 ng/Kg	0.382U ng/Kg
SL-154-SA6-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0307 ng/Kg	0.0307U ng/Kg
SL-154-SA6-SB-3.0-4.0(RES)	1,2,3,4,7,8-HxCDF	0.0301 ng/Kg	0.0301U ng/Kg
SL-154-SA6-SB-3.0-4.0(RES)	1,2,3,6,7,8-HxCDF	0.0292 ng/Kg	0.0292U ng/Kg
SL-154-SA6-SB-3.0-4.0(RES)	1,2,3,7,8,9-HxCDD	0.0723 ng/Kg	0.0723U ng/Kg
SL-154-SA6-SB-3.0-4.0(RES)	1,2,3,7,8,9-HxCDF	0.0295 ng/Kg	0.0295U ng/Kg
SL-154-SA6-SB-3.0-4.0(RES)	2,3,4,6,7,8-HxCDF	0.0293 ng/Kg	0.0293U ng/Kg
SL-154-SA6-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.0537 ng/Kg	0.0537U ng/Kg
SL-214-SA6-SB-1.0-2.0(RES)	1,2,3,4,6,7,8-HPCDD	0.443 ng/Kg	0.443U ng/Kg
SL-214-SA6-SB-1.0-2.0(RES)	1,2,3,4,6,7,8-HPCDF	0.133 ng/Kg	0.133U ng/Kg
SL-214-SA6-SB-1.0-2.0(RES)	1,2,3,4,7,8-HxCDF	0.210 ng/Kg	0.210U ng/Kg
SL-214-SA6-SB-1.0-2.0(RES)	1,2,3,6,7,8-HxCDD	0.142 ng/Kg	0.142U ng/Kg
SL-214-SA6-SB-1.0-2.0(RES)	1,2,3,6,7,8-HxCDF	0.186 ng/Kg	0.186U ng/Kg
SL-214-SA6-SB-1.0-2.0(RES)	1,2,3,7,8,9-HxCDF	0.137 ng/Kg	0.137U ng/Kg
SL-214-SA6-SB-1.0-2.0(RES)	1,2,3,7,8-PECDD	0.212 ng/Kg	0.212U ng/Kg
SL-214-SA6-SB-1.0-2.0(RES)	2,3,4,6,7,8-HxCDF	0.0933 ng/Kg	0.0933U ng/Kg
SL-214-SA6-SB-1.0-2.0(RES)	OCDD	1.07 ng/Kg	1.07U ng/Kg
SL-215-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0803 ng/Kg	0.0803U ng/Kg
SL-215-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.193 ng/Kg	0.193U ng/Kg
SL-215-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0649 ng/Kg	0.0649U ng/Kg
SL-215-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.212 ng/Kg	0.212U ng/Kg
SL-215-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0339 ng/Kg	0.0339U ng/Kg
SL-215-SA6-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0891 ng/Kg	0.0891U ng/Kg
SL-215-SA6-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0542 ng/Kg	0.0542U ng/Kg
SL-215-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0727 ng/Kg	0.0727U ng/Kg
SL-221-SA6-SB-1.0-2.0(RES)	1,2,3,4,6,7,8-HPCDF	0.170 ng/Kg	0.170U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:32:01 AM

ADR version 1.4.0.111

Page 2 of 5

Method Blank Outlier Report

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-221-SA6-SB-1.0-2.0(RES)	1,2,3,4,7,8-HXCDF	0.0420 ng/Kg	0.0420U ng/Kg
SL-221-SA6-SB-1.0-2.0(RES)	1,2,3,6,7,8-HXCDD	0.102 ng/Kg	0.102U ng/Kg
SL-221-SA6-SB-1.0-2.0(RES)	1,2,3,6,7,8-HXCDF	0.0361 ng/Kg	0.0361U ng/Kg
SL-221-SA6-SB-1.0-2.0(RES)	1,2,3,7,8,9-HXCDD	0.0801 ng/Kg	0.0801U ng/Kg
SL-221-SA6-SB-1.0-2.0(RES)	1,2,3,7,8,9-HXCDF	0.0409 ng/Kg	0.0409U ng/Kg
SL-221-SA6-SB-1.0-2.0(RES)	2,3,4,6,7,8-HXCDF	0.0302 ng/Kg	0.0302U ng/Kg
SL-221-SA6-SB-1.0-2.0(RES)	2,3,4,7,8-PECDF	0.0437 ng/Kg	0.0437U ng/Kg
SL-223-SA6-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDD	0.358 ng/Kg	0.358U ng/Kg
SL-223-SA6-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0574 ng/Kg	0.0574U ng/Kg
SL-223-SA6-SB-2.5-3.5(RES)	1,2,3,4,7,8-HXCDF	0.0303 ng/Kg	0.0303U ng/Kg
SL-223-SA6-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDD	0.0970 ng/Kg	0.0970U ng/Kg
SL-223-SA6-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDF	0.0868 ng/Kg	0.0868U ng/Kg
SL-223-SA6-SB-2.5-3.5(RES)	1,2,3,7,8-PECDD	0.0875 ng/Kg	0.0875U ng/Kg
SL-223-SA6-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.0888 ng/Kg	0.0888U ng/Kg
SL-224-SA6-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.131 ng/Kg	0.131U ng/Kg
SL-224-SA6-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0332 ng/Kg	0.0332U ng/Kg
SL-224-SA6-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDD	0.0949 ng/Kg	0.0949U ng/Kg
SL-224-SA6-SB-3.0-4.0(RES)	1,2,3,7,8-PECDF	0.0312 ng/Kg	0.0312U ng/Kg
SL-224-SA6-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.0298 ng/Kg	0.0298U ng/Kg
SL-224-SA6-SB-3.0-4.0(RES)	OCDD	0.263 ng/Kg	0.263U ng/Kg
SL-226-SA6-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDD	0.946 ng/Kg	0.946U ng/Kg
SL-226-SA6-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDF	0.219 ng/Kg	0.219U ng/Kg
SL-226-SA6-SB-3.5-4.5(RES)	1,2,3,4,7,8-HXCDF	0.196 ng/Kg	0.196U ng/Kg
SL-226-SA6-SB-3.5-4.5(RES)	1,2,3,6,7,8-HXCDD	0.230 ng/Kg	0.230U ng/Kg
SL-226-SA6-SB-3.5-4.5(RES)	1,2,3,6,7,8-HXCDF	0.189 ng/Kg	0.189U ng/Kg
SL-226-SA6-SB-3.5-4.5(RES)	1,2,3,7,8-PECDD	0.229 ng/Kg	0.229U ng/Kg
SL-241-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.282 ng/Kg	0.282U ng/Kg
SL-241-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0463 ng/Kg	0.0463U ng/Kg
SL-241-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0506 ng/Kg	0.0506U ng/Kg
SL-241-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0570 ng/Kg	0.0570U ng/Kg
SL-241-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0240 ng/Kg	0.0240U ng/Kg
SL-241-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0388 ng/Kg	0.0388U ng/Kg
SL-241-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0320 ng/Kg	0.0320U ng/Kg
SL-241-SA6-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0225 ng/Kg	0.0225U ng/Kg
SL-241-SA6-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0267 ng/Kg	0.0267U ng/Kg
SL-241-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0522 ng/Kg	0.0522U ng/Kg
SL-241-SA6-SB-4.0-5.0(RES)	OCDD	1.56 ng/Kg	1.56U ng/Kg
SL-241-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.283 ng/Kg	0.283U ng/Kg
SL-241-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0462 ng/Kg	0.0462U ng/Kg
SL-241-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0239 ng/Kg	0.0239U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:32:01 AM

ADR version 1.4.0.111

Page 3 of 5

Method Blank Outlier Report

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-241-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0483 ng/Kg	0.0483U ng/Kg
SL-241-SA6-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0221 ng/Kg	0.0221U ng/Kg
SL-241-SA6-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0861 ng/Kg	0.0861U ng/Kg
SL-241-SA6-SB-9.0-10.0(RES)	OCDD	0.480 ng/Kg	0.480U ng/Kg
SL-242-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.315 ng/Kg	0.315U ng/Kg
SL-242-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0498 ng/Kg	0.0498U ng/Kg
SL-242-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0257 ng/Kg	0.0257U ng/Kg
SL-242-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.114 ng/Kg	0.114U ng/Kg
SL-242-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0239 ng/Kg	0.0239U ng/Kg
SL-242-SA6-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0640 ng/Kg	0.0640U ng/Kg
SL-242-SA6-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0301 ng/Kg	0.0301U ng/Kg
SL-242-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0342 ng/Kg	0.0342U ng/Kg
SL-242-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.365 ng/Kg	0.365U ng/Kg
SL-242-SA6-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.122 ng/Kg	0.122U ng/Kg
SL-242-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0763 ng/Kg	0.0763U ng/Kg
SL-242-SA6-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0837 ng/Kg	0.0837U ng/Kg
SL-242-SA6-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0473 ng/Kg	0.0473U ng/Kg
SL-242-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0946 ng/Kg	0.0946U ng/Kg
SL-242-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0529 ng/Kg	0.0529U ng/Kg
SL-242-SA6-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0885 ng/Kg	0.0885U ng/Kg
SL-242-SA6-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0765 ng/Kg	0.0765U ng/Kg
SL-242-SA6-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.170 ng/Kg	0.170U ng/Kg
SL-242-SA6-SB-9.0-10.0(RES)	OCDD	1.41 ng/Kg	1.41U ng/Kg
SL-279-SA6-SB-1.0-2.0(RES)	1,2,3,4,6,7,8-HPCDD	0.969 ng/Kg	0.969U ng/Kg
SL-279-SA6-SB-1.0-2.0(RES)	1,2,3,4,6,7,8-HPCDF	0.166 ng/Kg	0.166U ng/Kg
SL-279-SA6-SB-1.0-2.0(RES)	1,2,3,4,7,8-HXCDF	0.196 ng/Kg	0.196U ng/Kg
SL-279-SA6-SB-1.0-2.0(RES)	1,2,3,6,7,8-HXCDD	0.156 ng/Kg	0.156U ng/Kg
SL-279-SA6-SB-1.0-2.0(RES)	1,2,3,6,7,8-HXCDF	0.169 ng/Kg	0.169U ng/Kg
SL-279-SA6-SB-1.0-2.0(RES)	1,2,3,7,8,9-HXCDD	0.151 ng/Kg	0.151U ng/Kg
SL-279-SA6-SB-1.0-2.0(RES)	1,2,3,7,8,9-HXCDF	0.162 ng/Kg	0.162U ng/Kg
SL-279-SA6-SB-1.0-2.0(RES)	1,2,3,7,8-PECDD	0.222 ng/Kg	0.222U ng/Kg
SL-279-SA6-SB-1.0-2.0(RES)	2,3,4,6,7,8-HXCDF	0.111 ng/Kg	0.111U ng/Kg
SL-279-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.389 ng/Kg	0.389U ng/Kg
SL-279-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.157 ng/Kg	0.157U ng/Kg
SL-279-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.178 ng/Kg	0.178U ng/Kg
SL-279-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.150 ng/Kg	0.150U ng/Kg
SL-279-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.142 ng/Kg	0.142U ng/Kg
SL-279-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.131 ng/Kg	0.131U ng/Kg
SL-279-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.153 ng/Kg	0.153U ng/Kg
SL-279-SA6-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.315 ng/Kg	0.315U ng/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/3/2012 10:32:01 AM

ADR version 1.4.0.111

Page 4 of 5

Method Blank Outlier Report

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-279-SA6-SB-4.0-5.0(RES)	OCDD	1.95 ng/Kg	1.95U ng/Kg
SL-279-SA6-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.211 ng/Kg	0.211U ng/Kg
SL-279-SA6-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.146 ng/Kg	0.146U ng/Kg
SL-279-SA6-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.145 ng/Kg	0.145U ng/Kg
SL-279-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.125 ng/Kg	0.125U ng/Kg
SL-279-SA6-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.124 ng/Kg	0.124U ng/Kg
SL-279-SA6-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.126 ng/Kg	0.126U ng/Kg
SL-279-SA6-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0814 ng/Kg	0.0814U ng/Kg
SL-279-SA6-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.224 ng/Kg	0.224U ng/Kg
SL-310-SA6-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.301 ng/Kg	0.301U ng/Kg
SL-310-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0415 ng/Kg	0.0415U ng/Kg
SL-310-SA6-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0491 ng/Kg	0.0491U ng/Kg
SL-310-SA6-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0273 ng/Kg	0.0273U ng/Kg
SL-310-SA6-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.113 ng/Kg	0.113U ng/Kg
SL-310-SA6-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0304 ng/Kg	0.0304U ng/Kg
SL-310-SA6-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0750 ng/Kg	0.0750U ng/Kg
SL-310-SA6-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0322 ng/Kg	0.0322U ng/Kg
SL-310-SA6-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0637 ng/Kg	0.0637U ng/Kg

Field Duplicate RPD Report

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-224-SA6-SB-3.0-4.0	DUP12-SA6-QC-081711			
MOISTURE	9.2	6.4	36		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-224-SA6-SB-3.0-4.0	DUP12-SA6-QC-081711			
OCDD	0.263	0.299	13	50.00	No Qualifiers Applied
OCDF	0.133	0.208	44	50.00	
1,2,3,4,6,7,8-HPCDD	0.131	0.310	81	50.00	J(all detects) UJ(all non-detects)
1,2,3,4,6,7,8-HPCDF	0.0332	0.156	130	50.00	
1,2,3,4,7,8-HxCDD	5.26 U	0.230	200	50.00	
1,2,3,4,7,8-HxCDF	5.26 U	0.339	200	50.00	
1,2,3,6,7,8-HxCDD	5.26 U	0.244	200	50.00	
1,2,3,6,7,8-HxCDF	5.26 U	0.344	200	50.00	
1,2,3,7,8,9-HxCDD	0.0949	0.230	83	50.00	
1,2,3,7,8,9-HxCDF	5.26 U	0.229	200	50.00	
1,2,3,7,8-PECDD	5.26 U	0.483	200	50.00	
1,2,3,7,8-PECDF	0.0312	0.585	180	50.00	
2,3,4,6,7,8-HxCDF	5.26 U	0.190	200	50.00	
2,3,4,7,8-PECDF	0.0298	0.442	175	50.00	
2,3,7,8-TCDD	1.05 U	0.0807	200	50.00	
2,3,7,8-TCDF	1.05 U	0.110	200	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB-SA6-SB-081711	1,2,3,4,6,7,8-HPCDD	JBQ	2.81	9.56	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.562	9.56	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.367	9.56	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JBQ	0.405	9.56	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.277	9.56	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JBQ	0.522	9.56	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JBQ	0.316	9.56	PQL	pg/L	
	1,2,3,7,8-PECDD	JBQ	0.710	9.56	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.303	9.56	PQL	pg/L	
	2,3,4,7,8-PECDF	JB	0.740	9.56	PQL	pg/L	
	OCDD	JBQ	4.18	19.1	PQL	pg/L	
	OCDF	JBQ	0.569	19.1	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP12-SA6-QC-081711	1,2,3,4,6,7,8-HPCDD	JBQ	0.310	5.30	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.156	5.30	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.230	5.30	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.339	5.30	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.244	5.30	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.344	5.30	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.230	5.30	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.229	5.30	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.483	5.30	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.585	5.30	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.190	5.30	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.442	5.30	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0807	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.110	1.06	PQL	ng/Kg	
	OCDD	JBQ	0.299	10.6	PQL	ng/Kg	
	OCDF	J	0.208	10.6	PQL	ng/Kg	
SL-007-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.19	5.55	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	J	1.57	5.55	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.304	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.739	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	3.15	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.621	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	2.04	5.55	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.94	5.55	PQL	ng/Kg	
	OCDF	J	4.88	11.1	PQL	ng/Kg	
SL-154-SA6-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JB	0.382	5.24	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0307	5.24	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JQ	0.0300	5.24	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0301	5.24	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0292	5.24	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0723	5.24	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0295	5.24	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0293	5.24	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0537	5.24	PQL	ng/Kg	
	OCDD	JB	4.14	10.5	PQL	ng/Kg	
	OCDF	JQ	0.0760	10.5	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-214-SA6-SB-1.0-2.0	1,2,3,4,6,7,8-HPCDD	JB	0.443	5.34	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.133	5.34	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JQ	0.0450	5.34	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.159	5.34	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.210	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.142	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.186	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.229	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.137	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.212	5.34	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0933	5.34	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.313	5.34	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0910	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0765	1.07	PQL	ng/Kg	
	OCDD	JB	1.07	10.7	PQL	ng/Kg	
SL-215-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	3.27	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.539	5.53	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JQ	0.0675	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.119	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0803	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.193	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0649	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.212	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0339	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0891	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0542	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0727	5.53	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0689	1.11	PQL	ng/Kg	
	OCDF	JQ	1.81	11.1	PQL	ng/Kg	
SL-221-SA6-SB-1.0-2.0	1,2,3,4,6,7,8-HPCDD	JBQ	2.06	5.29	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.170	5.29	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0420	5.29	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.102	5.29	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0361	5.29	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0801	5.29	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0409	5.29	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0302	5.29	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0437	5.29	PQL	ng/Kg	
	OCDF	JQ	0.512	10.6	PQL	ng/Kg	
SL-223-SA6-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JB	0.358	5.00	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0574	5.00	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0303	5.00	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0970	5.00	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0868	5.00	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0875	5.00	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0888	5.00	PQL	ng/Kg	
	OCDD	JB	2.16	10.0	PQL	ng/Kg	
SL-224-SA6-SB-3.0-4.0	OCDF	JQ	0.367	10.0	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDD	JBQ	0.131	5.26	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.0332	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0949	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0312	5.26	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0298	5.26	PQL	ng/Kg	
	OCDD	JBQ	0.263	10.5	PQL	ng/Kg	
SL-224-SA6-SB-3.0-4.0	OCDF	JQ	0.133	10.5	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-226-SA6-SB-3.5-4.5	1,2,3,4,6,7,8-HPCDD	JB	0.946	5.18	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.219	5.18	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	J	0.0948	5.18	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.165	5.18	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.196	5.18	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.230	5.18	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.189	5.18	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.233	5.18	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.225	5.18	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.229	5.18	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.344	5.18	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.128	5.18	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.314	5.18	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.170	1.04	PQL	ng/Kg	
	OCDF	J	0.539	10.4	PQL	ng/Kg	
SL-241-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.282	5.21	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0463	5.21	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	J	0.0399	5.21	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0506	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0570	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0240	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0388	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0320	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0225	5.21	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0267	5.21	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0522	5.21	PQL	ng/Kg	
	OCDD	JB	1.56	10.4	PQL	ng/Kg	
	OCDF	J	0.107	10.4	PQL	ng/Kg	
SL-241-SA6-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.283	5.37	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0462	5.37	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JQ	0.0313	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0239	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0483	5.37	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0221	5.37	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0861	5.37	PQL	ng/Kg	
	OCDD	JB	0.480	10.7	PQL	ng/Kg	
	OCDF	JQ	0.147	10.7	PQL	ng/Kg	
SL-242-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.315	5.29	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0498	5.29	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JQ	0.0427	5.29	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0257	5.29	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.114	5.29	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0239	5.29	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.218	5.29	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.216	5.29	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0640	5.29	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0301	5.29	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0342	5.29	PQL	ng/Kg	
	OCDD	JB	2.25	10.6	PQL	ng/Kg	
	OCDF	JQ	0.100	10.6	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-242-SA6-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.365	5.25	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.122	5.25	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JQ	0.0507	5.25	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0342	5.25	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0763	5.25	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0837	5.25	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0473	5.25	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0946	5.25	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0529	5.25	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0885	5.25	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.195	5.25	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0765	5.25	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.170	5.25	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0834	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0563	1.05	PQL	ng/Kg	
	OCDD	JB	1.41	10.5	PQL	ng/Kg	
	OCDF	JQ	0.166	10.5	PQL	ng/Kg	
SL-279-SA6-SB-1.0-2.0	1,2,3,4,6,7,8-HPCDD	JB	0.969	5.08	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.166	5.08	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	J	0.0667	5.08	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0900	5.08	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.196	5.08	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.156	5.08	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.169	5.08	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.151	5.08	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.162	5.08	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.222	5.08	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.324	5.08	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.111	5.08	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.301	5.08	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0657	1.02	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0889	1.02	PQL	ng/Kg	
	OCDD	JB	9.19	10.2	PQL	ng/Kg	
	OCDF	JQ	0.372	10.2	PQL	ng/Kg	
SL-279-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.389	5.13	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.157	5.13	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JQ	0.0531	5.13	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.138	5.13	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.178	5.13	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.150	5.13	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.142	5.13	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.131	5.13	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.153	5.13	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.315	5.13	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.334	5.13	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.119	5.13	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.320	5.13	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.121	1.03	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0977	1.03	PQL	ng/Kg	
	OCDD	JB	1.95	10.3	PQL	ng/Kg	
	OCDF	JQ	0.161	10.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX129

Laboratory: LL

EDD Filename: DX129_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-279-SA6-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	1.57	5.39	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.271	5.39	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	J	0.0889	5.39	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.116	5.39	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.211	5.39	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.146	5.39	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.145	5.39	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.125	5.39	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.124	5.39	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.126	5.39	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.230	5.39	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0814	5.39	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.224	5.39	PQL	ng/Kg	
	OCDF	JQ	0.654	10.8	PQL	ng/Kg	
SL-310-SA6-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.28	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.301	5.48	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0415	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0491	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.170	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0273	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.210	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.113	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0304	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0750	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0322	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0637	5.48	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0246	1.10	PQL	ng/Kg	
	OCDF	JB	0.781	11.0	PQL	ng/Kg	
SL-315-SA6-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDF	JB	2.46	5.18	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	J	0.491	5.18	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.458	5.18	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.353	5.18	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.537	5.18	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.280	5.18	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.370	5.18	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.226	5.18	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.615	5.18	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.516	5.18	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.264	5.18	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.464	5.18	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.163	1.04	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0808	1.04	PQL	ng/Kg	
	OCDF	J	4.83	10.4	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DE253

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
23-Sep-2011	SL-028-SA7-SB-8.0-9.0	6418471	N	3050B	6010B	III
23-Sep-2011	SL-028-SA7-SB-8.0-9.0	6418471	N	3050B	6020	III
23-Sep-2011	SL-028-SA7-SB-8.0-9.0	6418471	N	3060A	7199	III
23-Sep-2011	SL-028-SA7-SB-8.0-9.0	6418471	N	3550B	8082	III
23-Sep-2011	SL-028-SA7-SB-8.0-9.0	6418471	N	3550B	8270C	III
23-Sep-2011	SL-028-SA7-SB-8.0-9.0	6418471	N	3550B	8270C SIM	III
23-Sep-2011	SL-028-SA7-SB-8.0-9.0	6418471	N	METHOD	300.0	III
23-Sep-2011	SL-028-SA7-SB-8.0-9.0	6418471	N	METHOD	314.0	III
23-Sep-2011	SL-028-SA7-SB-8.0-9.0	6418471	N	METHOD	7471A	III
26-Sep-2011	SL-001-SA3-SS-0.0-0.5	6419488	N	3050B	6010B	III
26-Sep-2011	SL-001-SA3-SS-0.0-0.5	6419488	N	3050B	6020	III
26-Sep-2011	SL-001-SA3-SS-0.0-0.5	6419488	N	3060A	7199	III
26-Sep-2011	SL-001-SA3-SS-0.0-0.5	6419488	N	3550B	8081A	III
26-Sep-2011	SL-001-SA3-SS-0.0-0.5	6419488	N	3550B	8082	III
26-Sep-2011	SL-001-SA3-SS-0.0-0.5	6419488	N	3550B	8151A	III
26-Sep-2011	SL-001-SA3-SS-0.0-0.5	6419488	N	3550B	8270C	III
26-Sep-2011	SL-001-SA3-SS-0.0-0.5	6419488	N	3550B	8270C SIM	III
26-Sep-2011	SL-001-SA3-SS-0.0-0.5	6419488	N	METHOD	300.0	III
26-Sep-2011	SL-001-SA3-SS-0.0-0.5	6419488	N	METHOD	314.0	III
26-Sep-2011	SL-001-SA3-SS-0.0-0.5	6419488	N	METHOD	7471A	III
26-Sep-2011	SL-002-SA3-SS-0.0-0.5	6419489	N	3050B	6010B	III
26-Sep-2011	SL-002-SA3-SS-0.0-0.5	6419489	N	3050B	6020	III
26-Sep-2011	SL-002-SA3-SS-0.0-0.5	6419489	N	3060A	7199	III
26-Sep-2011	SL-002-SA3-SS-0.0-0.5	6419489	N	3550B	8081A	III
26-Sep-2011	SL-002-SA3-SS-0.0-0.5	6419489	N	3550B	8082	III
26-Sep-2011	SL-002-SA3-SS-0.0-0.5	6419489	N	3550B	8151A	III

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
26-Sep-2011	SL-002-SA3-SS-0.0-0.5	6419489	N	3550B	8270C	III
26-Sep-2011	SL-002-SA3-SS-0.0-0.5	6419489	N	3550B	8270C SIM	III
26-Sep-2011	SL-002-SA3-SS-0.0-0.5	6419489	N	METHOD	300.0	III
26-Sep-2011	SL-002-SA3-SS-0.0-0.5	6419489	N	METHOD	314.0	III
26-Sep-2011	SL-002-SA3-SS-0.0-0.5	6419489	N	METHOD	7471A	III
26-Sep-2011	SL-027-SA5DS-SS-0.0-0.5	6419498	N	3050B	6010B	III
26-Sep-2011	SL-027-SA5DS-SS-0.0-0.5	6419498	N	3050B	6020	III
26-Sep-2011	SL-027-SA5DS-SS-0.0-0.5	6419498	N	3060A	7199	III
26-Sep-2011	SL-027-SA5DS-SS-0.0-0.5	6419498	N	3550B	8081A	III
26-Sep-2011	SL-027-SA5DS-SS-0.0-0.5	6419498	N	3550B	8082	III
26-Sep-2011	SL-027-SA5DS-SS-0.0-0.5	6419498	N	3550B	8151A	III
26-Sep-2011	SL-027-SA5DS-SS-0.0-0.5	6419498	N	3550B	8270C	III
26-Sep-2011	SL-027-SA5DS-SS-0.0-0.5	6419498	N	3550B	8270C SIM	III
26-Sep-2011	SL-027-SA5DS-SS-0.0-0.5	6419498	N	METHOD	300.0	III
26-Sep-2011	SL-027-SA5DS-SS-0.0-0.5	6419498	N	METHOD	314.0	III
26-Sep-2011	SL-027-SA5DS-SS-0.0-0.5	6419498	N	METHOD	7471A	III
26-Sep-2011	SL-026-SA5DS-SS-0.0-0.5	6419497	N	3050B	6010B	III
26-Sep-2011	SL-026-SA5DS-SS-0.0-0.5	6419497	N	3050B	6020	III
26-Sep-2011	SL-026-SA5DS-SS-0.0-0.5	6419497	N	3060A	7199	III
26-Sep-2011	SL-026-SA5DS-SS-0.0-0.5	6419497	N	3550B	8081A	III
26-Sep-2011	SL-026-SA5DS-SS-0.0-0.5	6419497	N	3550B	8082	III
26-Sep-2011	SL-026-SA5DS-SS-0.0-0.5	6419497	N	3550B	8151A	III
26-Sep-2011	SL-026-SA5DS-SS-0.0-0.5	6419497	N	3550B	8270C	III
26-Sep-2011	SL-026-SA5DS-SS-0.0-0.5	6419497	N	3550B	8270C SIM	III
26-Sep-2011	SL-026-SA5DS-SS-0.0-0.5	6419497	N	METHOD	300.0	III
26-Sep-2011	SL-026-SA5DS-SS-0.0-0.5	6419497	N	METHOD	314.0	III

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
26-Sep-2011	SL-026-SA5DS-SS-0.0-0.5	6419497	N	METHOD	7471A	III
26-Sep-2011	SL-028-SA5DS-SS-0.0-0.5	6419499	N	3050B	6010B	III
26-Sep-2011	SL-028-SA5DS-SS-0.0-0.5	6419499	N	3050B	6020	III
26-Sep-2011	SL-028-SA5DS-SS-0.0-0.5	6419499	N	3060A	7199	III
26-Sep-2011	SL-028-SA5DS-SS-0.0-0.5	6419499	N	3550B	8081A	III
26-Sep-2011	SL-028-SA5DS-SS-0.0-0.5	6419499	N	3550B	8082	III
26-Sep-2011	SL-028-SA5DS-SS-0.0-0.5	6419499	N	3550B	8151A	III
26-Sep-2011	SL-028-SA5DS-SS-0.0-0.5	6419499	N	3550B	8270C	III
26-Sep-2011	SL-028-SA5DS-SS-0.0-0.5	6419499	N	3550B	8270C SIM	III
26-Sep-2011	SL-028-SA5DS-SS-0.0-0.5	6419499	N	METHOD	300.0	III
26-Sep-2011	SL-028-SA5DS-SS-0.0-0.5	6419499	N	METHOD	314.0	III
26-Sep-2011	SL-028-SA5DS-SS-0.0-0.5	6419499	N	METHOD	7471A	III
26-Sep-2011	SL-029-SA5DS-SS-0.0-0.5	6419500	N	3050B	6010B	III
26-Sep-2011	SL-029-SA5DS-SS-0.0-0.5	6419500	N	3050B	6020	III
26-Sep-2011	SL-029-SA5DS-SS-0.0-0.5	6419500	N	3060A	7199	III
26-Sep-2011	SL-029-SA5DS-SS-0.0-0.5	6419500	N	3550B	8081A	III
26-Sep-2011	SL-029-SA5DS-SS-0.0-0.5	6419500	N	3550B	8082	III
26-Sep-2011	SL-029-SA5DS-SS-0.0-0.5	6419500	N	3550B	8151A	III
26-Sep-2011	SL-029-SA5DS-SS-0.0-0.5	6419500	N	3550B	8270C	III
26-Sep-2011	SL-029-SA5DS-SS-0.0-0.5	6419500	N	3550B	8270C SIM	III
26-Sep-2011	SL-029-SA5DS-SS-0.0-0.5	6419500	N	METHOD	300.0	III
26-Sep-2011	SL-029-SA5DS-SS-0.0-0.5	6419500	N	METHOD	314.0	III
26-Sep-2011	SL-029-SA5DS-SS-0.0-0.5	6419500	N	METHOD	7471A	III
26-Sep-2011	SL-030-SA5DS-SS-0.0-0.5	6419501	N	3050B	6010B	III
26-Sep-2011	SL-030-SA5DS-SS-0.0-0.5	6419501	N	3050B	6020	III
26-Sep-2011	SL-030-SA5DS-SS-0.0-0.5	6419501	N	3060A	7199	III

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
26-Sep-2011	SL-030-SA5DS-SS-0.0-0.5	6419501	N	3550B	8081A	III
26-Sep-2011	SL-030-SA5DS-SS-0.0-0.5	6419501	N	3550B	8082	III
26-Sep-2011	SL-030-SA5DS-SS-0.0-0.5	6419501	N	3550B	8151A	III
26-Sep-2011	SL-030-SA5DS-SS-0.0-0.5	6419501	N	3550B	8270C	III
26-Sep-2011	SL-030-SA5DS-SS-0.0-0.5	6419501	N	3550B	8270C SIM	III
26-Sep-2011	SL-030-SA5DS-SS-0.0-0.5	6419501	N	METHOD	300.0	III
26-Sep-2011	SL-030-SA5DS-SS-0.0-0.5	6419501	N	METHOD	314.0	III
26-Sep-2011	SL-030-SA5DS-SS-0.0-0.5	6419501	N	METHOD	7471A	III
26-Sep-2011	SL-031-SA5DS-SS-0.0-0.5	6419502	N	3050B	6010B	III
26-Sep-2011	SL-031-SA5DS-SS-0.0-0.5	6419502	N	3050B	6020	III
26-Sep-2011	SL-031-SA5DS-SS-0.0-0.5	6419502	N	3060A	7199	III
26-Sep-2011	SL-031-SA5DS-SS-0.0-0.5	6419502	N	3550B	8081A	III
26-Sep-2011	SL-031-SA5DS-SS-0.0-0.5	6419502	N	3550B	8082	III
26-Sep-2011	SL-031-SA5DS-SS-0.0-0.5	6419502	N	3550B	8151A	III
26-Sep-2011	SL-031-SA5DS-SS-0.0-0.5	6419502	N	3550B	8270C	III
26-Sep-2011	SL-031-SA5DS-SS-0.0-0.5	6419502	N	3550B	8270C SIM	III
26-Sep-2011	SL-031-SA5DS-SS-0.0-0.5	6419502	N	METHOD	300.0	III
26-Sep-2011	SL-031-SA5DS-SS-0.0-0.5	6419502	N	METHOD	314.0	III
26-Sep-2011	SL-031-SA5DS-SS-0.0-0.5	6419502	N	METHOD	7471A	III
26-Sep-2011	SL-032-SA5DS-SS-0.0-0.5	6419503	N	3050B	6010B	III
26-Sep-2011	SL-032-SA5DS-SS-0.0-0.5	6419503	N	3050B	6020	III
26-Sep-2011	SL-032-SA5DS-SS-0.0-0.5	6419503	N	3060A	7199	III
26-Sep-2011	SL-032-SA5DS-SS-0.0-0.5	6419503	N	3550B	8081A	III
26-Sep-2011	SL-032-SA5DS-SS-0.0-0.5	6419503	N	3550B	8082	III
26-Sep-2011	SL-032-SA5DS-SS-0.0-0.5	6419503	N	3550B	8151A	III
26-Sep-2011	SL-032-SA5DS-SS-0.0-0.5	6419503	N	3550B	8270C	III

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
26-Sep-2011	SL-032-SA5DS-SS-0.0-0.5	6419503	N	3550B	8270C SIM	III
26-Sep-2011	SL-032-SA5DS-SS-0.0-0.5	6419503	N	METHOD	300.0	III
26-Sep-2011	SL-032-SA5DS-SS-0.0-0.5	6419503	N	METHOD	314.0	III
26-Sep-2011	SL-032-SA5DS-SS-0.0-0.5	6419503	N	METHOD	7471A	III
26-Sep-2011	SL-032-SA5DS-SS-0.0-0.5DU	P419503D271501B	DUP	METHOD	300.0	III
26-Sep-2011	SL-032-SA5DS-SS-0.0-0.5MS	P419503R271514B	MS	METHOD	300.0	III
26-Sep-2011	SL-002-SA5DS-SS-0.0-0.5	6419490	N	3050B	6010B	III
26-Sep-2011	SL-002-SA5DS-SS-0.0-0.5	6419490	N	3050B	6020	III
26-Sep-2011	SL-002-SA5DS-SS-0.0-0.5	6419490	N	3060A	7199	III
26-Sep-2011	SL-002-SA5DS-SS-0.0-0.5	6419490	N	3550B	8081A	III
26-Sep-2011	SL-002-SA5DS-SS-0.0-0.5	6419490	N	3550B	8082	III
26-Sep-2011	SL-002-SA5DS-SS-0.0-0.5	6419490	N	3550B	8151A	III
26-Sep-2011	SL-002-SA5DS-SS-0.0-0.5	6419490	N	3550B	8270C	III
26-Sep-2011	SL-002-SA5DS-SS-0.0-0.5	6419490	N	3550B	8270C SIM	III
26-Sep-2011	SL-002-SA5DS-SS-0.0-0.5	6419490	N	METHOD	300.0	III
26-Sep-2011	SL-002-SA5DS-SS-0.0-0.5	6419490	N	METHOD	314.0	III
26-Sep-2011	SL-002-SA5DS-SS-0.0-0.5	6419490	N	METHOD	7471A	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5	6419491	N	3050B	6010B	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5	6419491	N	3050B	6020	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5	6419491	N	3060A	7199	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5	6419491	N	3550B	8081A	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5	6419491	N	3550B	8082	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5	6419491	N	3550B	8151A	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5	6419491	N	3550B	8270C	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5	6419491	N	3550B	8270C SIM	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5	6419491	N	METHOD	300.0	III

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5	6419491	N	METHOD	314.0	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5	6419491	N	METHOD	7471A	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5 M	6419492	MS	3050B	6010B	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5 M	6419492	MS	3050B	6020	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5 M	6419492	MS	3060A	7199	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5 M	6419492	MS	3550B	8081A	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5 M	6419492	MS	3550B	8082	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5 M	6419492	MS	3550B	8151A	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5 M	6419492	MS	3550B	8270C	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5 M	6419492	MS	3550B	8270C SIM	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5 M	6419492	MS	METHOD	300.0	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5 M	6419492	MS	METHOD	314.0	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5 M	6419492	MS	METHOD	7471A	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5 D	6419494	DUP	3050B	6010B	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5 D	6419494	DUP	3050B	6020	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5 D	6419494	DUP	3060A	7199	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5 D	6419494	DUP	METHOD	300.0	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5 D	6419494	DUP	METHOD	314.0	III
26-Sep-2011	SL-001-SA5DS-SS-0.0-0.5 D	6419494	DUP	METHOD	7471A	III
26-Sep-2011	DUP01-SA5DS-QC-092611	6419504	FD	3050B	6010B	III
26-Sep-2011	DUP01-SA5DS-QC-092611	6419504	FD	3050B	6020	III
26-Sep-2011	DUP01-SA5DS-QC-092611	6419504	FD	3060A	7199	III
26-Sep-2011	DUP01-SA5DS-QC-092611	6419504	FD	3550B	8081A	III
26-Sep-2011	DUP01-SA5DS-QC-092611	6419504	FD	3550B	8082	III
26-Sep-2011	DUP01-SA5DS-QC-092611	6419504	FD	3550B	8151A	III
26-Sep-2011	DUP01-SA5DS-QC-092611	6419504	FD	3550B	8270C	III

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
26-Sep-2011	DUP01-SA5DS-QC-092611	6419504	FD	3550B	8270C SIM	III
26-Sep-2011	DUP01-SA5DS-QC-092611	6419504	FD	METHOD	300.0	III
26-Sep-2011	DUP01-SA5DS-QC-092611	6419504	FD	METHOD	314.0	III
26-Sep-2011	DUP01-SA5DS-QC-092611	6419504	FD	METHOD	7471A	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 300.0

Matrix: SO

Sample ID: DUP01-SA5DS-QC-092611

Collected: 9/26/2011 3:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	2.9		0.82	MDL	1.0	PQL	mg/Kg	J	Q

Sample ID: SL-001-SA3-SS-0.0-0.5

Collected: 9/26/2011 7:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	0.80	U	0.80	MDL	1.0	PQL	mg/Kg	UJ	Q

Sample ID: SL-001-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 3:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	4.6		0.82	MDL	1.0	PQL	mg/Kg	J	Q

Sample ID: SL-002-SA3-SS-0.0-0.5

Collected: 9/26/2011 8:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	1.4		0.79	MDL	0.99	PQL	mg/Kg	J	Q

Sample ID: SL-002-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 2:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	1.4		0.83	MDL	1.0	PQL	mg/Kg	J	Q

Sample ID: SL-026-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 10:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	0.83	U	0.83	MDL	1.0	PQL	mg/Kg	UJ	Q

Sample ID: SL-027-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 9:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	2.5		0.80	MDL	1.0	PQL	mg/Kg	J	Q

Sample ID: SL-028-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 10:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	0.79	U	0.79	MDL	0.99	PQL	mg/Kg	UJ	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:38 AM

ADR version 1.4.0.111

Page 1 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 300.0

Matrix: SO

Sample ID: SL-029-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 11:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	2.6		0.81	MDL	1.0	PQL	mg/Kg	J	Q

Sample ID: SL-030-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 11:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	1.2		0.83	MDL	1.0	PQL	mg/Kg	J	Q

Sample ID: SL-031-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 11:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	1.6		0.82	MDL	1.0	PQL	mg/Kg	J	Q

Sample ID: SL-032-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 12:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	1.2		0.83	MDL	1.0	PQL	mg/Kg	J	Q

Method Category: METALS

Method: 6010B

Matrix: SO

Sample ID: DUP01-SA5DS-QC-092611

Collected: 9/26/2011 3:10:00

Analysis Type: REA

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	2.90	J	0.316	MDL	9.88	PQL	mg/Kg	U	B

Sample ID: SL-001-SA3-SS-0.0-0.5

Collected: 9/26/2011 7:50:00

Analysis Type: REA

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	87.8	J	5.83	MDL	98.0	PQL	mg/Kg	J	Z
TIN	3.17	J	0.314	MDL	9.80	PQL	mg/Kg	U	B
Zirconium	2.95	J	0.451	MDL	4.90	PQL	mg/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:38 AM

ADR version 1.4.0.111

Page 2 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: PrepDE253_v2

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6010B

Matrix: SO

Sample ID: SL-001-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 3:05:00

Analysis Type: REA

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	3.00	J	0.322	MDL	10.1	PQL	mg/Kg	U	B

Sample ID: SL-002-SA3-SS-0.0-0.5

Collected: 9/26/2011 8:15:00

Analysis Type: REA

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	74.5	J	5.78	MDL	97.1	PQL	mg/Kg	J	Z
TIN	2.78	J	0.311	MDL	9.71	PQL	mg/Kg	U	B
Zirconium	2.40	J	0.447	MDL	4.85	PQL	mg/Kg	U	B

Sample ID: SL-002-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 2:35:00

Analysis Type: REA

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	3.06	J	0.320	MDL	10.0	PQL	mg/Kg	U	B

Sample ID: SL-026-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 10:35:00

Analysis Type: REA

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	2.20	J	0.315	MDL	9.85	PQL	mg/Kg	U	B
Zirconium	2.89	J	0.453	MDL	4.92	PQL	mg/Kg	U	B

Sample ID: SL-027-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 9:25:00

Analysis Type: REA

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	2.63	J	0.314	MDL	9.83	PQL	mg/Kg	U	B

Sample ID: SL-028-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 10:50:00

Analysis Type: REA

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	3.05	J	0.312	MDL	9.76	PQL	mg/Kg	U	B

Sample ID: SL-028-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 10:50:00

Analysis Type: REA3

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Zirconium	2.42	J	0.449	MDL	4.88	PQL	mg/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 12:54:59 PM

ADR version 1.4.0.111

Page 3 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category:	METALS
Method:	6010B
Matrix:	SO

Sample ID: SL-028-SA7-SB-8.0-9.0			Collected: 9/23/2011 2:14:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	2.53	J	0.339	MDL	10.6	PQL	mg/Kg	U	B
Zirconium	0.771	J	0.488	MDL	5.30	PQL	mg/Kg	U	B

Sample ID: SL-029-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:10:00		Analysis Type: REA			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	3.12	J	0.328	MDL	10.2	PQL	mg/Kg	U	B

Sample ID: SL-029-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:10:00		Analysis Type: REA4			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Zirconium	4.39	J	0.471	MDL	5.12	PQL	mg/Kg	J	Z

Sample ID: SL-030-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:25:00		Analysis Type: REA			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	3.08	J	0.324	MDL	10.1	PQL	mg/Kg	U	B

Sample ID: SL-030-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:25:00		Analysis Type: REA4			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Zirconium	3.54	J	0.466	MDL	5.06	PQL	mg/Kg	J	Z

Sample ID: SL-031-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:50:00		Analysis Type: REA			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	3.21	J	0.331	MDL	10.4	PQL	mg/Kg	U	B

Sample ID: SL-031-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:50:00		Analysis Type: REA4			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Zirconium	5.13	J	0.476	MDL	5.18	PQL	mg/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:38 AM

ADR version 1.4.0.111

Page 4 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6010B

Matrix: SO

Sample ID: SL-032-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 12:10:00

Analysis Type: REA

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	3.07	J	0.327	MDL	10.2	PQL	mg/Kg	U	B

Sample ID: SL-032-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 12:10:00

Analysis Type: REA4

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Zirconium	2.88	J	0.470	MDL	5.11	PQL	mg/Kg	J	Z

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: DUP01-SA5DS-QC-092611

Collected: 9/26/2011 3:10:00

Analysis Type: REA4

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.430		0.0745	MDL	0.201	PQL	mg/Kg	J	Q
ARSENIC	8.99		0.0806	MDL	0.403	PQL	mg/Kg	J	Q
CADMIUM	0.351		0.0443	MDL	0.101	PQL	mg/Kg	J	Q
CHROMIUM	63.1		0.121	MDL	0.403	PQL	mg/Kg	J	A
COPPER	8.84		0.0806	MDL	0.403	PQL	mg/Kg	J	Q
LEAD	48.0		0.0103	MDL	0.201	PQL	mg/Kg	J	A
NICKEL	19.4		0.101	MDL	0.403	PQL	mg/Kg	J	Q, A
SILVER	0.0541	J	0.0143	MDL	0.101	PQL	mg/Kg	J	Z, Q
THALLIUM	0.197		0.0302	MDL	0.101	PQL	mg/Kg	J	Q
VANADIUM	118		0.0222	MDL	0.101	PQL	mg/Kg	J	A
ZINC	82.3		0.564	MDL	3.02	PQL	mg/Kg	J	A

Sample ID: DUP01-SA5DS-QC-092611

Collected: 9/26/2011 3:10:00

Analysis Type: REA7

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.275	J	0.0584	MDL	0.403	PQL	mg/Kg	J	Z, Q

Sample ID: DUP01-SA5DS-QC-092611

Collected: 9/26/2011 3:10:00

Analysis Type: REA8

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.906		0.0504	MDL	0.101	PQL	mg/Kg	J	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:38 AM

ADR version 1.4.0.111

Page 5 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category:	METALS								
Method:	6020				Matrix:	SO			

Sample ID: DUP01-SA5DS-QC-092611			Collected: 9/26/2011 3:10:00			Analysis Type: REA9			Dilution: 2
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	98.1		0.107	MDL	0.403	PQL	mg/Kg	J	A

Sample ID: SL-001-SA3-SS-0.0-0.5			Collected: 9/26/2011 7:50:00			Analysis Type: REA4			Dilution: 2
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.122	J	0.0725	MDL	0.196	PQL	mg/Kg	J	Z, Q
ARSENIC	3.15		0.0784	MDL	0.392	PQL	mg/Kg	J	Q
CADMIUM	0.170		0.0431	MDL	0.0980	PQL	mg/Kg	J	Q
CHROMIUM	12.0		0.118	MDL	0.392	PQL	mg/Kg	J	A
COPPER	6.59		0.0784	MDL	0.392	PQL	mg/Kg	J	Q
LEAD	15.0		0.0100	MDL	0.196	PQL	mg/Kg	J	A
NICKEL	8.35		0.0980	MDL	0.392	PQL	mg/Kg	J	Q, A
SILVER	0.0759	J	0.0139	MDL	0.0980	PQL	mg/Kg	J	Z, Q
THALLIUM	0.251		0.0294	MDL	0.0980	PQL	mg/Kg	J	Q
VANADIUM	24.5		0.0216	MDL	0.0980	PQL	mg/Kg	J	A
ZINC	86.9		0.549	MDL	2.94	PQL	mg/Kg	J	A

Sample ID: SL-001-SA3-SS-0.0-0.5			Collected: 9/26/2011 7:50:00			Analysis Type: REA7			Dilution: 2
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.145	J	0.0569	MDL	0.392	PQL	mg/Kg	J	Z, Q

Sample ID: SL-001-SA3-SS-0.0-0.5			Collected: 9/26/2011 7:50:00			Analysis Type: REA8			Dilution: 2
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.473		0.0490	MDL	0.0980	PQL	mg/Kg	J	Q

Sample ID: SL-001-SA3-SS-0.0-0.5			Collected: 9/26/2011 7:50:00			Analysis Type: REA9			Dilution: 2
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	84.7		0.104	MDL	0.392	PQL	mg/Kg	J	A

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:38 AM

ADR version 1.4.0.111

Page 6 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: SL-001-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 3:05:00

Analysis Type: REA4

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.436		0.0730	MDL	0.197	PQL	mg/Kg	J	Q
ARSENIC	7.36		0.0790	MDL	0.395	PQL	mg/Kg	J	Q
CADMIUM	0.294		0.0434	MDL	0.0987	PQL	mg/Kg	J	Q
CHROMIUM	54.1		0.118	MDL	0.395	PQL	mg/Kg	J	A
COPPER	7.37		0.0790	MDL	0.395	PQL	mg/Kg	J	Q
LEAD	40.1		0.0101	MDL	0.197	PQL	mg/Kg	J	A
NICKEL	14.0		0.0987	MDL	0.395	PQL	mg/Kg	J	Q, A
SILVER	0.0372	J	0.0140	MDL	0.0987	PQL	mg/Kg	J	Z, Q
THALLIUM	0.172		0.0296	MDL	0.0987	PQL	mg/Kg	J	Q
VANADIUM	98.1		0.0217	MDL	0.0987	PQL	mg/Kg	J	A
ZINC	72.7		0.553	MDL	2.96	PQL	mg/Kg	J	A

Sample ID: SL-001-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 3:05:00

Analysis Type: REA7

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.257	J	0.0572	MDL	0.395	PQL	mg/Kg	J	Z, Q

Sample ID: SL-001-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 3:05:00

Analysis Type: REA8

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.757		0.0494	MDL	0.0987	PQL	mg/Kg	J	Q

Sample ID: SL-001-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 3:05:00

Analysis Type: REA9

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	69.4		0.105	MDL	0.395	PQL	mg/Kg	J	A

Sample ID: SL-002-SA3-SS-0.0-0.5

Collected: 9/26/2011 8:15:00

Analysis Type: REA4

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.141	J	0.0733	MDL	0.198	PQL	mg/Kg	J	Z, Q
ARSENIC	2.97		0.0792	MDL	0.396	PQL	mg/Kg	J	Q
CADMIUM	0.217		0.0436	MDL	0.0990	PQL	mg/Kg	J	Q
CHROMIUM	14.7		0.119	MDL	0.396	PQL	mg/Kg	J	A
COPPER	7.24		0.0792	MDL	0.396	PQL	mg/Kg	J	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:38 AM

ADR version 1.4.0.111

Page 7 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category:	METALS
Method:	6020
Matrix:	SO

Sample ID: SL-002-SA3-SS-0.0-0.5			Collected: 9/26/2011 8:15:00		Analysis Type: REA4			Dilution: 2	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	15.5		0.0101	MDL	0.198	PQL	mg/Kg	J	A
NICKEL	9.40		0.0990	MDL	0.396	PQL	mg/Kg	J	Q, A
SILVER	0.0809	J	0.0141	MDL	0.0990	PQL	mg/Kg	J	Z, Q
THALLIUM	0.237		0.0297	MDL	0.0990	PQL	mg/Kg	J	Q
VANADIUM	31.0		0.0218	MDL	0.0990	PQL	mg/Kg	J	A
ZINC	106		0.554	MDL	2.97	PQL	mg/Kg	J	A

Sample ID: SL-002-SA3-SS-0.0-0.5			Collected: 9/26/2011 8:15:00		Analysis Type: REA7			Dilution: 2	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.132	J	0.0574	MDL	0.396	PQL	mg/Kg	J	Z, Q

Sample ID: SL-002-SA3-SS-0.0-0.5			Collected: 9/26/2011 8:15:00		Analysis Type: REA8			Dilution: 2	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.429		0.0495	MDL	0.0990	PQL	mg/Kg	J	Q

Sample ID: SL-002-SA3-SS-0.0-0.5			Collected: 9/26/2011 8:15:00		Analysis Type: REA9			Dilution: 2	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	86.7		0.105	MDL	0.396	PQL	mg/Kg	J	A

Sample ID: SL-002-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 2:35:00		Analysis Type: REA4			Dilution: 2	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.309		0.0748	MDL	0.202	PQL	mg/Kg	J	Q
ARSENIC	6.53		0.0809	MDL	0.405	PQL	mg/Kg	J	Q
CADMIUM	0.345		0.0445	MDL	0.101	PQL	mg/Kg	J	Q
CHROMIUM	48.8		0.121	MDL	0.405	PQL	mg/Kg	J	A
COPPER	11.0		0.0809	MDL	0.405	PQL	mg/Kg	J	Q
LEAD	24.2		0.0103	MDL	0.202	PQL	mg/Kg	J	A
NICKEL	15.8		0.101	MDL	0.405	PQL	mg/Kg	J	Q, A
SILVER	0.0472	J	0.0144	MDL	0.101	PQL	mg/Kg	J	Z, Q
THALLIUM	0.219		0.0303	MDL	0.101	PQL	mg/Kg	J	Q
VANADIUM	84.4		0.0222	MDL	0.101	PQL	mg/Kg	J	A

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:38 AM

ADR version 1.4.0.111

Page 8 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: SL-002-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 2:35:00

Analysis Type: REA4

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ZINC	75.9		0.566	MDL	3.03	PQL	mg/Kg	J	A

Sample ID: SL-002-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 2:35:00

Analysis Type: REA7

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.294	J	0.0587	MDL	0.405	PQL	mg/Kg	J	Z, Q

Sample ID: SL-002-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 2:35:00

Analysis Type: REA8

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.747		0.0506	MDL	0.101	PQL	mg/Kg	J	Q

Sample ID: SL-002-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 2:35:00

Analysis Type: REA9

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	105		0.107	MDL	0.405	PQL	mg/Kg	J	A

Sample ID: SL-026-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 10:35:00

Analysis Type: REA4

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.102	J	0.0736	MDL	0.199	PQL	mg/Kg	J	Z, Q
ARSENIC	3.27		0.0795	MDL	0.398	PQL	mg/Kg	J	Q
CADMIUM	0.152		0.0437	MDL	0.0994	PQL	mg/Kg	J	Q
CHROMIUM	24.8		0.119	MDL	0.398	PQL	mg/Kg	J	A
COPPER	11.9		0.0795	MDL	0.398	PQL	mg/Kg	J	Q
LEAD	12.1		0.0101	MDL	0.199	PQL	mg/Kg	J	A
NICKEL	20.0		0.0994	MDL	0.398	PQL	mg/Kg	J	Q, A
SILVER	0.0205	J	0.0141	MDL	0.0994	PQL	mg/Kg	J	Z, Q
THALLIUM	0.186		0.0298	MDL	0.0994	PQL	mg/Kg	J	Q
VANADIUM	63.9		0.0219	MDL	0.0994	PQL	mg/Kg	J	A
ZINC	58.8		0.557	MDL	2.98	PQL	mg/Kg	J	A

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 9 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: SL-026-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 10:35:00

Analysis Type: REA7

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.154	J	0.0577	MDL	0.398	PQL	mg/Kg	J	Z, Q

Sample ID: SL-026-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 10:35:00

Analysis Type: REA8

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.404		0.0497	MDL	0.0994	PQL	mg/Kg	J	Q

Sample ID: SL-026-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 10:35:00

Analysis Type: REA9

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIIUM	101		0.105	MDL	0.398	PQL	mg/Kg	J	A

Sample ID: SL-027-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 9:25:00

Analysis Type: REA4

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.194	J	0.0734	MDL	0.198	PQL	mg/Kg	J	Z, Q
ARSENIC	5.79		0.0794	MDL	0.397	PQL	mg/Kg	J	Q
CADMIUM	0.354		0.0437	MDL	0.0992	PQL	mg/Kg	J	Q
CHROMIUM	44.5		0.119	MDL	0.397	PQL	mg/Kg	J	A
COPPER	14.1		0.0794	MDL	0.397	PQL	mg/Kg	J	Q
LEAD	10.1		0.0101	MDL	0.198	PQL	mg/Kg	J	A
NICKEL	20.6		0.0992	MDL	0.397	PQL	mg/Kg	J	Q, A
SILVER	0.161		0.0141	MDL	0.0992	PQL	mg/Kg	J	Q
THALLIUM	0.367		0.0298	MDL	0.0992	PQL	mg/Kg	J	Q
VANADIUM	95.0		0.0218	MDL	0.0992	PQL	mg/Kg	J	A
ZINC	104		0.556	MDL	2.98	PQL	mg/Kg	J	A

Sample ID: SL-027-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 9:25:00

Analysis Type: REA7

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.282	J	0.0576	MDL	0.397	PQL	mg/Kg	J	Z, Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 10 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: SL-027-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 9:25:00

Analysis Type: REA8

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.413		0.0496	MDL	0.0992	PQL	mg/Kg	J	Q

Sample ID: SL-027-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 9:25:00

Analysis Type: REA9

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIIUM	128		0.105	MDL	0.397	PQL	mg/Kg	J	A

Sample ID: SL-028-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 10:50:00

Analysis Type: REA4

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.145	J	0.0722	MDL	0.195	PQL	mg/Kg	J	Z, Q
ARSENIC	2.80		0.0781	MDL	0.391	PQL	mg/Kg	J	Q
CADMIUM	0.362		0.0430	MDL	0.0976	PQL	mg/Kg	J	Q
CHROMIUM	22.5		0.117	MDL	0.391	PQL	mg/Kg	J	A
COPPER	16.5		0.0781	MDL	0.391	PQL	mg/Kg	J	Q
LEAD	28.1		0.010	MDL	0.195	PQL	mg/Kg	J	A
NICKEL	17.3		0.0976	MDL	0.391	PQL	mg/Kg	J	Q, A
SILVER	0.351		0.0139	MDL	0.0976	PQL	mg/Kg	J	Q
THALLIUM	0.244		0.0293	MDL	0.0976	PQL	mg/Kg	J	Q
VANADIUM	62.6		0.0215	MDL	0.0976	PQL	mg/Kg	J	A
ZINC	109		0.547	MDL	2.93	PQL	mg/Kg	J	A

Sample ID: SL-028-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 10:50:00

Analysis Type: REA7

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.144	J	0.0566	MDL	0.391	PQL	mg/Kg	J	Z, Q

Sample ID: SL-028-SA5DS-SS-0.0-0.5

Collected: 9/26/2011 10:50:00

Analysis Type: REA8

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.384		0.0488	MDL	0.0976	PQL	mg/Kg	J	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 11 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category:	METALS								
Method:	6020			Matrix:	SO				

Sample ID: SL-028-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 10:50:00			Analysis Type: REA9			Dilution: 2
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	140		0.103	MDL	0.391	PQL	mg/Kg	J	A

Sample ID: SL-028-SA7-SB-8.0-9.0			Collected: 9/23/2011 2:14:00			Analysis Type: REA			Dilution: 2
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.0969	J	0.0597	MDL	0.412	PQL	mg/Kg	J	Z

Sample ID: SL-028-SA7-SB-8.0-9.0			Collected: 9/23/2011 2:14:00			Analysis Type: RES			Dilution: 2
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0762	U	0.0762	MDL	0.206	PQL	mg/Kg	UJ	Q
ARSENIC	4.27		0.0824	MDL	0.412	PQL	mg/Kg	J	Q
CADMIUM	0.0722	J	0.0453	MDL	0.103	PQL	mg/Kg	J	Z
CHROMIUM	20.1		0.124	MDL	0.412	PQL	mg/Kg	J	Q
COPPER	8.13		0.0824	MDL	0.412	PQL	mg/Kg	J	Q
LEAD	4.25		0.0105	MDL	0.206	PQL	mg/Kg	J	Q
NICKEL	11.7		0.103	MDL	0.412	PQL	mg/Kg	J	Q
SILVER	0.0176	J	0.0146	MDL	0.103	PQL	mg/Kg	J	Z
VANADIUM	38.8		0.0227	MDL	0.103	PQL	mg/Kg	J	Q

Sample ID: SL-029-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:10:00			Analysis Type: REA4			Dilution: 2
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.343		0.0744	MDL	0.201	PQL	mg/Kg	J	Q
ARSENIC	8.36		0.0804	MDL	0.402	PQL	mg/Kg	J	Q
CADMIUM	0.252		0.0442	MDL	0.101	PQL	mg/Kg	J	Q
CHROMIUM	58.8		0.121	MDL	0.402	PQL	mg/Kg	J	A
COPPER	22.4		0.0804	MDL	0.402	PQL	mg/Kg	J	Q
LEAD	15.7		0.0103	MDL	0.201	PQL	mg/Kg	J	A
NICKEL	29.2		0.101	MDL	0.402	PQL	mg/Kg	J	Q, A
SILVER	0.0472	J	0.0143	MDL	0.101	PQL	mg/Kg	J	Z, Q
THALLIUM	0.539		0.0302	MDL	0.101	PQL	mg/Kg	J	Q
VANADIUM	118		0.0221	MDL	0.101	PQL	mg/Kg	J	A
ZINC	116		0.563	MDL	3.02	PQL	mg/Kg	J	A

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 12 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category:	METALS								
Method:	6020			Matrix:	SO				

Sample ID: SL-029-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:10:00			Analysis Type: REA7			Dilution: 2
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.412		0.0583	MDL	0.402	PQL	mg/Kg	J	Q

Sample ID: SL-029-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:10:00			Analysis Type: REA8			Dilution: 2
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.514		0.0503	MDL	0.101	PQL	mg/Kg	J	Q

Sample ID: SL-029-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:10:00			Analysis Type: REA9			Dilution: 2
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	143		0.107	MDL	0.402	PQL	mg/Kg	J	A

Sample ID: SL-030-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:25:00			Analysis Type: REA4			Dilution: 2
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	9.83		0.0810	MDL	0.405	PQL	mg/Kg	J	Q
CADMIUM	0.283		0.0445	MDL	0.101	PQL	mg/Kg	J	Q
CHROMIUM	68.5		0.121	MDL	0.405	PQL	mg/Kg	J	A
COPPER	25.6		0.0810	MDL	0.405	PQL	mg/Kg	J	Q
LEAD	17.8		0.0103	MDL	0.202	PQL	mg/Kg	J	A
NICKEL	34.2		0.101	MDL	0.405	PQL	mg/Kg	J	Q, A
SILVER	0.0488	J	0.0144	MDL	0.101	PQL	mg/Kg	J	Z, Q
THALLIUM	0.616		0.0304	MDL	0.101	PQL	mg/Kg	J	Q
VANADIUM	136		0.0223	MDL	0.101	PQL	mg/Kg	J	A
ZINC	138		0.567	MDL	3.04	PQL	mg/Kg	J	A

Sample ID: SL-030-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:25:00			Analysis Type: REA6			Dilution: 2
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.182	J	0.0749	MDL	0.202	PQL	mg/Kg	J	Z, Q

Sample ID: SL-030-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:25:00			Analysis Type: REA7			Dilution: 2
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.483		0.0587	MDL	0.405	PQL	mg/Kg	J	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 13 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category:	METALS								
Method:	6020	Matrix: SO							

Sample ID: SL-030-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:25:00			Analysis Type: REA8			Dilution: 2
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.651		0.0506	MDL	0.101	PQL	mg/Kg	J	Q

Sample ID: SL-030-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:25:00			Analysis Type: REA9			Dilution: 2
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	180		0.107	MDL	0.405	PQL	mg/Kg	J	A

Sample ID: SL-031-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:50:00			Analysis Type: REA4			Dilution: 2
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.341		0.0751	MDL	0.203	PQL	mg/Kg	J	Q
ARSENIC	8.83		0.0812	MDL	0.406	PQL	mg/Kg	J	Q
CADMIUM	0.268		0.0447	MDL	0.101	PQL	mg/Kg	J	Q
CHROMIUM	55.5		0.122	MDL	0.406	PQL	mg/Kg	J	A
COPPER	24.8		0.0812	MDL	0.406	PQL	mg/Kg	J	Q
LEAD	32.3		0.0104	MDL	0.203	PQL	mg/Kg	J	A
NICKEL	28.6		0.101	MDL	0.406	PQL	mg/Kg	J	Q, A
SILVER	0.0554	J	0.0144	MDL	0.101	PQL	mg/Kg	J	Z, Q
THALLIUM	0.526		0.0304	MDL	0.101	PQL	mg/Kg	J	Q
VANADIUM	111		0.0223	MDL	0.101	PQL	mg/Kg	J	A
ZINC	138		0.568	MDL	3.04	PQL	mg/Kg	J	A

Sample ID: SL-031-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:50:00			Analysis Type: REA7			Dilution: 2
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.510		0.0589	MDL	0.406	PQL	mg/Kg	J	Q

Sample ID: SL-031-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:50:00			Analysis Type: REA8			Dilution: 2
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.664		0.0507	MDL	0.101	PQL	mg/Kg	J	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 14 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category:	METALS								
Method:	6020				Matrix:	SO			

Sample ID: SL-031-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 11:50:00 Analysis Type: REA9 Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	151		0.108	MDL	0.406	PQL	mg/Kg	J	A

Sample ID: SL-032-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 12:10:00 Analysis Type: REA4 Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.317		0.0749	MDL	0.202	PQL	mg/Kg	J	Q
ARSENIC	8.40		0.0810	MDL	0.405	PQL	mg/Kg	J	Q
CADMIUM	0.282		0.0445	MDL	0.101	PQL	mg/Kg	J	Q
CHROMIUM	47.7		0.121	MDL	0.405	PQL	mg/Kg	J	A
COPPER	20.1		0.0810	MDL	0.405	PQL	mg/Kg	J	Q
LEAD	15.3		0.0103	MDL	0.202	PQL	mg/Kg	J	A
NICKEL	26.2		0.101	MDL	0.405	PQL	mg/Kg	J	Q, A
SILVER	0.0435	J	0.0144	MDL	0.101	PQL	mg/Kg	J	Z, Q
THALLIUM	0.474		0.0304	MDL	0.101	PQL	mg/Kg	J	Q
VANADIUM	97.5		0.0223	MDL	0.101	PQL	mg/Kg	J	A
ZINC	101		0.567	MDL	3.04	PQL	mg/Kg	J	A

Sample ID: SL-032-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 12:10:00 Analysis Type: REA7 Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.515		0.0587	MDL	0.405	PQL	mg/Kg	J	Q

Sample ID: SL-032-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 12:10:00 Analysis Type: REA8 Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.794		0.0506	MDL	0.101	PQL	mg/Kg	J	Q

Sample ID: SL-032-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 12:10:00 Analysis Type: REA9 Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	146		0.107	MDL	0.405	PQL	mg/Kg	J	A

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 15 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category:	METALS
Method:	7199
Matrix:	SO

Sample ID: SL-026-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 10:35:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.34	J	0.20	MDL	1.0	PQL	mg/Kg	J	Z

Sample ID: SL-028-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 10:50:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.38	J	0.20	MDL	1.0	PQL	mg/Kg	J	Z

Sample ID: SL-028-SA7-SB-8.0-9.0			Collected: 9/23/2011 2:14:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.32	J	0.22	MDL	1.1	PQL	mg/Kg	J	Z

Sample ID: SL-031-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:50:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.38	J	0.21	MDL	1.0	PQL	mg/Kg	J	Z

Sample ID: SL-032-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 12:10:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.37	J	0.20	MDL	1.0	PQL	mg/Kg	J	Z

Method Category:	METALS
Method:	7471A
Matrix:	SO

Sample ID: DUP01-SA5DS-QC-092611			Collected: 9/26/2011 3:10:00		Analysis Type: REA			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0115	J	0.0066	MDL	0.0943	PQL	mg/Kg	J	Z

Sample ID: SL-001-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 3:05:00		Analysis Type: REA			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0133	J	0.0070	MDL	0.0997	PQL	mg/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 16 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category:	METALS
Method:	7471A
Matrix:	SO

Sample ID: SL-002-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 2:35:00		Analysis Type: REA			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0222	J	0.0069	MDL	0.0979	PQL	mg/Kg	J	Z

Sample ID: SL-028-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 10:50:00		Analysis Type: REA			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0095	J	0.0070	MDL	0.0996	PQL	mg/Kg	J	Z

Sample ID: SL-029-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:10:00		Analysis Type: REA			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0076	J	0.0068	MDL	0.0964	PQL	mg/Kg	J	Z

Sample ID: SL-030-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:25:00		Analysis Type: REA			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0145	J	0.0070	MDL	0.100	PQL	mg/Kg	J	Z

Sample ID: SL-031-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:50:00		Analysis Type: REA			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0130	J	0.0070	MDL	0.100	PQL	mg/Kg	J	Z

Method Category:	SVOA
Method:	8081A
Matrix:	SO

Sample ID: DUP01-SA5DS-QC-092611			Collected: 9/26/2011 3:10:00		Analysis Type: RES-BASE/NEUTRAL			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Chlordane	5.3		0.81	MDL	3.4	PQL	ug/Kg	J	FD
DELTA-BHC	0.48		0.036	MDL	0.17	PQL	ug/Kg	J	FD

Sample ID: SL-001-SA3-SS-0.0-0.5			Collected: 9/26/2011 7:50:00		Analysis Type: RES-BASE/NEUTRAL			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,4'-DDE	0.70		0.066	MDL	0.34	PQL	ug/Kg	J	S

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 17 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	8081A
Matrix:	SO

Sample ID: SL-001-SA3-SS-0.0-0.5 Collected: 9/26/2011 7:50:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,4'-DDT	0.91		0.066	MDL	0.34	PQL	ug/Kg	J	S
Chlordane	2.4	J	0.80	MDL	3.4	PQL	ug/Kg	J	Z, S

Sample ID: SL-001-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 3:05:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,4'-DDD	0.066	U	0.066	MDL	0.34	PQL	ug/Kg	R	Q
Chlordane	2.0	J	0.81	MDL	3.4	PQL	ug/Kg	J	Z, FD
DELTA-BHC	0.039	U	0.039	MDL	0.17	PQL	ug/Kg	UJ	FD
ENDRIN ALDEHYDE	0.43		0.066	MDL	0.34	PQL	ug/Kg	J	Q

Sample ID: SL-002-SA3-SS-0.0-0.5 Collected: 9/26/2011 8:15:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Chlordane	1.7	J	0.80	MDL	3.4	PQL	ug/Kg	J	Z

Sample ID: SL-002-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 2:35:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BETA-BHC	0.14	J	0.061	MDL	0.17	PQL	ug/Kg	J	Z
DELTA-BHC	0.052	J	0.037	MDL	0.17	PQL	ug/Kg	J	Z
gamma-BHC (Lindane)	0.040	J	0.035	MDL	0.17	PQL	ug/Kg	J	Z

Sample ID: SL-027-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 9:25:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,4'-DDE	1.1	J	0.33	MDL	1.7	PQL	ug/Kg	J	Z
4,4'-DDT	1.3	J	0.33	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-028-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 10:50:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Chlordane	10	J	4.0	MDL	17	PQL	ug/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 18 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	8081A
Matrix:	SO

Sample ID: SL-029-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 11:10:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Chlordane	3.3	J	0.83	MDL	3.5	PQL	ug/Kg	J	Z

Sample ID: SL-030-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 11:25:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALPHA-BHC	0.090	J	0.035	MDL	0.17	PQL	ug/Kg	J	Z
Chlordane	3.4	J	0.82	MDL	3.5	PQL	ug/Kg	J	Z
ENDOSULFAN I	0.089	J	0.045	MDL	0.17	PQL	ug/Kg	J	Z

Sample ID: SL-032-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 12:10:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Chlordane	2.6	J	0.82	MDL	3.5	PQL	ug/Kg	J	Z
gamma-BHC (Lindane)	0.057	J	0.035	MDL	0.17	PQL	ug/Kg	J	Z
METHOXYCHLOR	0.81	J	0.35	MDL	1.7	PQL	ug/Kg	J	Z

Method Category:	SVOA
Method:	8082
Matrix:	SO

Sample ID: DUP01-SA5DS-QC-092611 Collected: 9/26/2011 3:10:00 Analysis Type: RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5460	7.4		1.0	MDL	3.3	PQL	ug/Kg	J	FD

Sample ID: SL-001-SA3-SS-0.0-0.5 Collected: 9/26/2011 7:50:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1254	0.53	J	0.33	MDL	1.7	PQL	ug/Kg	J	Z
AROCLOR 1260	1.3	J	0.39	MDL	1.7	PQL	ug/Kg	J	Z
Aroclor 5460	3.0	J	1.0	MDL	3.3	PQL	ug/Kg	J	Z

Sample ID: SL-001-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 3:05:00 Analysis Type: RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5460	2.4	J	1.0	MDL	3.3	PQL	ug/Kg	J	Z, FD

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 19 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA		
Method:	8082	Matrix:	SO

Sample ID: SL-002-SA3-SS-0.0-0.5 Collected: 9/26/2011 8:15:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1254	1.3	J	0.33	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-002-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 2:35:00 Analysis Type: RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5460	3.3	J	1.0	MDL	3.4	PQL	ug/Kg	J	Z

Sample ID: SL-028-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 10:50:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1260	0.98	J	0.39	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-030-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 11:25:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1260	1.3	J	0.40	MDL	1.7	PQL	ug/Kg	J	Z

Method Category:	SVOA		
Method:	8151A	Matrix:	SO

Sample ID: DUP01-SA5DS-QC-092611 Collected: 9/26/2011 3:10:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DINOSEB	0.80	U	0.80	MDL	2.4	PQL	ug/Kg	R	L

Sample ID: SL-001-SA3-SS-0.0-0.5 Collected: 9/26/2011 7:50:00 Analysis Type: RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DICHLOROPROP	1.6	J	0.80	MDL	1.7	PQL	ug/Kg	J	Z
DINOSEB	0.80	U	0.80	MDL	2.4	PQL	ug/Kg	R	L

Sample ID: SL-001-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 3:05:00 Analysis Type: RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4,5-TP (Silvex)	0.076	U	0.076	MDL	0.17	PQL	ug/Kg	R	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 20 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	8151A
Matrix:	SO

Sample ID: SL-001-SA5DS-SS-0.0-0.5		Collected: 9/26/2011 3:05:00		Analysis Type: RES		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4-DB	2.0	U	2.0	MDL	2.0	PQL	ug/Kg	R	Q
DALAPON	4.4	U	4.4	MDL	9.1	PQL	ug/Kg	R	Q
DICAMBA	0.40	U	0.40	MDL	1.2	PQL	ug/Kg	R	Q
DICHLOROPROP	0.81	U	0.81	MDL	1.7	PQL	ug/Kg	R	Q
DINOSEB	0.81	U	0.81	MDL	2.4	PQL	ug/Kg	R	Q, L
MCPA	77	U	77	MDL	250	PQL	ug/Kg	R	Q
MCPP	76	U	76	MDL	250	PQL	ug/Kg	R	Q

Sample ID: SL-002-SA3-SS-0.0-0.5		Collected: 9/26/2011 8:15:00		Analysis Type: RES		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4-D	2.5	J	1.2	MDL	3.6	PQL	ug/Kg	J	Z
DINOSEB	0.80	U	0.80	MDL	2.4	PQL	ug/Kg	R	L

Sample ID: SL-002-SA5DS-SS-0.0-0.5		Collected: 9/26/2011 2:35:00		Analysis Type: RES-BASE/NEUTRAL		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DINOSEB	0.81	U	0.81	MDL	2.4	PQL	ug/Kg	R	L

Sample ID: SL-026-SA5DS-SS-0.0-0.5		Collected: 9/26/2011 10:35:00		Analysis Type: RES-BASE/NEUTRAL		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DINOSEB	0.86	J	0.81	MDL	2.4	PQL	ug/Kg	J	Z, L

Sample ID: SL-027-SA5DS-SS-0.0-0.5		Collected: 9/26/2011 9:25:00		Analysis Type: RES-BASE/NEUTRAL		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DINOSEB	0.81	U	0.81	MDL	2.4	PQL	ug/Kg	R	L

Sample ID: SL-028-SA5DS-SS-0.0-0.5		Collected: 9/26/2011 10:50:00		Analysis Type: RES-BASE/NEUTRAL		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DINOSEB	0.80	U	0.80	MDL	2.4	PQL	ug/Kg	R	L
MCPA	120	J	76	MDL	250	PQL	ug/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 21 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category:	SVQA	Matrix:	SO
Method:	8151A		

Sample ID: SL-029-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:10:00		Analysis Type: RES		Dilution: 1		
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4-DB	1.7	J	0.64	MDL	1.8	PQL	ug/Kg	J	Z
DINOSEB	0.83	U	0.83	MDL	2.5	PQL	ug/Kg	R	L

Sample ID: SL-030-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:25:00		Analysis Type: RES-BASE/NEUTRAL			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DINOSEB	0.82	U	0.82	MDL	2.5	PQL	ug/Kg	R	L

Sample ID: SL-031-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 11:50:00		Analysis Type: RES-BASE/NEUTRAL			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DINOSEB	0.83	U	0.83	MDL	2.5	PQL	ug/Kg	R	L

Sample ID: SL-032-SA5DS-SS-0.0-0.5			Collected: 9/26/2011 12:10:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4,5-T	0.15	J	0.084	MDL	0.17	PQL	ug/Kg	J	Z
DINOSEB	0.82	U	0.82	MDL	2.5	PQL	ug/Kg	R	L

Method Category:	SVQA	Matrix:	SO
Method:	8270C		

Sample ID: DUP01-SA5DS-QC-092611			Collected: 9/26/2011 3:10:00		Analysis Type: RES-ACID			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,6-DINITRO-2-METHYLPHENOL	170	U	170	MDL	500	PQL	ug/Kg	UJ	L
BIS(2-ETHYLHEXYL)PHTHALATE	51	J	17	MDL	330	PQL	ug/Kg	J	Z
PHENOL	18	J	17	MDL	170	PQL	ug/Kg	J	Z, FD

Sample ID: SL-001-SA3-SS-0.0-0.5			Collected: 9/26/2011 7:50:00		Analysis Type: RES-ACID			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,6-DINITRO-2-METHYLPHENOL	170	U	170	MDL	500	PQL	ug/Kg	UJ	L

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 22 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA		
Method:	8270C	Matrix:	SO

Sample ID: SL-001-SA5DS-SS-0.0-0.5		Collected: 9/26/2011 3:05:00		Analysis Type: RES-ACID		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,6-DINITRO-2-METHYLPHENOL	170	U	170	MDL	500	PQL	ug/Kg	UJ	L
BENZIDINE	1200	U	1200	MDL	3300	PQL	ug/Kg	R	Q
FLUORANTHENE	36	J	17	MDL	170	PQL	ug/Kg	J	Z
PHENANTHRENE	35	J	17	MDL	170	PQL	ug/Kg	J	Z
PHENOL	17	U	17	MDL	170	PQL	ug/Kg	UJ	FD
PYRENE	24	J	17	MDL	170	PQL	ug/Kg	J	Z

Sample ID: SL-002-SA3-SS-0.0-0.5		Collected: 9/26/2011 8:15:00		Analysis Type: RES-ACID		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,6-DINITRO-2-METHYLPHENOL	170	U	170	MDL	500	PQL	ug/Kg	UJ	L
BIS(2-ETHYLHEXYL)PHTHALATE	83	J	17	MDL	330	PQL	ug/Kg	J	Z

Sample ID: SL-002-SA5DS-SS-0.0-0.5		Collected: 9/26/2011 2:35:00		Analysis Type: RES-ACID		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,6-DINITRO-2-METHYLPHENOL	170	U	170	MDL	510	PQL	ug/Kg	UJ	L

Sample ID: SL-026-SA5DS-SS-0.0-0.5		Collected: 9/26/2011 10:35:00		Analysis Type: RES-ACID		Dilution: 5			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,6-DINITRO-2-METHYLPHENOL	8300	U	8300	MDL	25000	PQL	ug/Kg	UJ	L
BENZO(A)PYRENE	1400	J	830	MDL	8300	PQL	ug/Kg	J	Z
BENZO(B)FLUORANTHENE	1400	J	830	MDL	8300	PQL	ug/Kg	J	Z
BENZO(G,H,I)PERYLENE	1100	J	830	MDL	8300	PQL	ug/Kg	J	Z
CHRYSENE	1500	J	830	MDL	8300	PQL	ug/Kg	J	Z
FLUORANTHENE	1100	J	830	MDL	8300	PQL	ug/Kg	J	Z
PYRENE	1300	J	830	MDL	8300	PQL	ug/Kg	J	Z

Sample ID: SL-027-SA5DS-SS-0.0-0.5		Collected: 9/26/2011 9:25:00		Analysis Type: RES-ACID		Dilution: 5			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,6-DINITRO-2-METHYLPHENOL	840	U	840	MDL	2500	PQL	ug/Kg	UJ	L

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 23 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category:	SYOA		
Method:	8270C	Matrix:	SO

Sample ID: SL-028-SA5DS-SS-0.0-0.5		Collected: 9/26/2011 10:50:00		Analysis Type: RES-ACID		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,6-DINITRO-2-METHYLPHENOL	170	U	170	MDL	500	PQL	ug/Kg	UJ	L
PHENOL	18	J	17	MDL	170	PQL	ug/Kg	J	Z

Sample ID: SL-028-SA7-SB-8.0-9.0		Collected: 9/23/2011 2:14:00		Analysis Type: RES-ACID		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,6-DINITRO-2-METHYLPHENOL	180	U	180	MDL	540	PQL	ug/Kg	UJ	L

Sample ID: SL-029-SA5DS-SS-0.0-0.5		Collected: 9/26/2011 11:10:00		Analysis Type: RES-ACID		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,6-DINITRO-2-METHYLPHENOL	170	U	170	MDL	510	PQL	ug/Kg	UJ	L
PHENOL	18	J	17	MDL	170	PQL	ug/Kg	J	Z

Sample ID: SL-030-SA5DS-SS-0.0-0.5		Collected: 9/26/2011 11:25:00		Analysis Type: RES-ACID		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,6-DINITRO-2-METHYLPHENOL	170	U	170	MDL	510	PQL	ug/Kg	UJ	L

Sample ID: SL-031-SA5DS-SS-0.0-0.5		Collected: 9/26/2011 11:50:00		Analysis Type: RES-ACID		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,6-DINITRO-2-METHYLPHENOL	170	U	170	MDL	520	PQL	ug/Kg	UJ	L
BIS(2-ETHYLHEXYL)PHTHALATE	18	J	17	MDL	340	PQL	ug/Kg	J	Z
PHENOL	20	J	17	MDL	170	PQL	ug/Kg	J	Z

Sample ID: SL-032-SA5DS-SS-0.0-0.5		Collected: 9/26/2011 12:10:00		Analysis Type: RES-ACID		Dilution: 1			
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,6-DINITRO-2-METHYLPHENOL	170	U	170	MDL	510	PQL	ug/Kg	UJ	L
PHENOL	18	J	17	MDL	170	PQL	ug/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 24 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	8270C SIM
Matrix:	SO

Sample ID: DUP01-SA5DS-QC-092611 Collected: 9/26/2011 3:10:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	1.1	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z, FD
CHRYSENE	0.75	J	0.33	MDL	1.7	PQL	ug/Kg	J	Z
Di-n-octylphthalate	6.0	U	6.0	MDL	18	PQL	ug/Kg	UJ	FD

Sample ID: SL-001-SA3-SS-0.0-0.5 Collected: 9/26/2011 7:50:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	5.9	J	5.9	MDL	18	PQL	ug/Kg	J	Z
CHRYSENE	0.97	J	0.33	MDL	1.6	PQL	ug/Kg	J	Z
FLUORANTHENE	1.2	J	0.66	MDL	1.6	PQL	ug/Kg	J	Z
PYRENE	1.1	J	0.66	MDL	1.6	PQL	ug/Kg	J	Z

Sample ID: SL-001-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 3:05:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	3.2		0.67	MDL	1.7	PQL	ug/Kg	J	FD
BIS(2-ETHYLHEXYL)PHTHALATE	13	J	6.0	MDL	18	PQL	ug/Kg	J	Z, Q
CHRYSENE	0.49	J	0.34	MDL	1.7	PQL	ug/Kg	J	Z
Di-n-octylphthalate	6.9	J	6.0	MDL	18	PQL	ug/Kg	J	Z, FD

Sample ID: SL-002-SA3-SS-0.0-0.5 Collected: 9/26/2011 8:15:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.66	J	0.66	MDL	1.7	PQL	ug/Kg	J	Z
ANTHRACENE	0.36	J	0.33	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(A)ANTHRACENE	1.1	J	0.66	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(G,H,I)PERYLENE	1.0	J	0.66	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(K)FLUORANTHENE	1.1	J	0.66	MDL	1.7	PQL	ug/Kg	J	Z
INDENO(1,2,3-CD)PYRENE	0.80	J	0.66	MDL	1.7	PQL	ug/Kg	J	Z
NAPHTHALENE	1.2	J	0.66	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-002-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 2:35:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.70	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 25 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	8270C SIM
Matrix:	SO

Sample ID: SL-002-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 2:35:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)ANTHRACENE	0.96	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(G,H,I)PERYLENE	1.2	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
Butylbenzylphthalate	7.1	J	6.0	MDL	18	PQL	ug/Kg	J	Z
Di-n-octylphthalate	11	J	6.0	MDL	18	PQL	ug/Kg	J	Z
INDENO(1,2,3-CD)PYRENE	0.88	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
NAPHTHALENE	1.3	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-026-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 10:35:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.48	J	0.33	MDL	1.7	PQL	ug/Kg	J	Z
BIS(2-ETHYLHEXYL)PHTHALATE	9.0	J	6.0	MDL	18	PQL	ug/Kg	J	Z
NAPHTHALENE	0.99	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-027-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 9:25:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)ANTHRACENE	3.9	J	3.3	MDL	8.4	PQL	ug/Kg	J	Z
BIS(2-ETHYLHEXYL)PHTHALATE	33	J	30	MDL	90	PQL	ug/Kg	J	Z
PHENANTHRENE	4.5	J	3.3	MDL	8.4	PQL	ug/Kg	J	Z
PYRENE	7.4	J	3.3	MDL	8.4	PQL	ug/Kg	J	Z

Sample ID: SL-028-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 10:50:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)ANTHRACENE	0.80	J	0.66	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(A)PYRENE	1.1	J	0.66	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(K)FLUORANTHENE	0.72	J	0.66	MDL	1.7	PQL	ug/Kg	J	Z
CHRYSENE	1.1	J	0.33	MDL	1.7	PQL	ug/Kg	J	Z
FLUORANTHENE	0.86	J	0.66	MDL	1.7	PQL	ug/Kg	J	Z
PYRENE	0.82	J	0.66	MDL	1.7	PQL	ug/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 26 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	8270C SIM
Matrix:	SO

Sample ID: SL-029-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 11:10:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)ANTHRACENE	1.3	J	0.69	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(G,H,I)PERYLENE	1.2	J	0.69	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(K)FLUORANTHENE	1.2	J	0.69	MDL	1.7	PQL	ug/Kg	J	Z
BIS(2-ETHYLHEXYL)PHTHALATE	10	J	6.2	MDL	19	PQL	ug/Kg	J	Z
Di-n-octylphthalate	7.5	J	6.2	MDL	19	PQL	ug/Kg	J	Z
INDENO(1,2,3-CD)PYRENE	0.76	J	0.69	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-030-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 11:25:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	13	J	6.1	MDL	18	PQL	ug/Kg	J	Z
INDENO(1,2,3-CD)PYRENE	0.94	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
NAPHTHALENE	0.99	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
PHENANTHRENE	1.4	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-032-SA5DS-SS-0.0-0.5 Collected: 9/26/2011 12:10:00 Analysis Type: RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.84	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
2-METHYLNAPHTHALENE	0.81	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
ANTHRACENE	0.57	J	0.34	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(G,H,I)PERYLENE	1.3	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
Di-n-octylphthalate	9.6	J	6.1	MDL	18	PQL	ug/Kg	J	Z
INDENO(1,2,3-CD)PYRENE	1.4	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
NAPHTHALENE	1.5	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 27 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Laboratory Triplicate Precision
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*#	Professional Judgment
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 28 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation
Q	Matrix Spike Upper Rejection

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 29 of 30

Data Qualifier Summary

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:35:39 AM

ADR version 1.4.0.111

Page 30 of 30

Enclosure I

Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DE253

Method Blank Outlier Report

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method: 6010B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P26908EB220703	10/3/2011 7:03:00 AM	CALCIUM IRON PHOSPHORUS TIN	3.28 mg/Kg 3.68 mg/Kg 1.15 mg/Kg 1.39 mg/Kg	SL-028-SA7-SB-8.0-9.0
P27108AB220719	10/7/2011 7:19:00 AM	BORON MANGANESE PHOSPHORUS STRONTIUM TIN	0.527 mg/Kg 0.0430 mg/Kg 1.09 mg/Kg 0.0680 mg/Kg 1.38 mg/Kg	DUP01-SA5DS-QC-092611 SL-001-SA3-SS-0.0-0.5 SL-001-SA5DS-SS-0.0-0.5 SL-002-SA3-SS-0.0-0.5 SL-002-SA5DS-SS-0.0-0.5 SL-026-SA5DS-SS-0.0-0.5 SL-027-SA5DS-SS-0.0-0.5 SL-028-SA5DS-SS-0.0-0.5 SL-029-SA5DS-SS-0.0-0.5 SL-030-SA5DS-SS-0.0-0.5 SL-031-SA5DS-SS-0.0-0.5 SL-032-SA5DS-SS-0.0-0.5
P27108AB221351	10/10/2011 1:51:00 PM	ALUMINUM	8.80 mg/Kg	DUP01-SA5DS-QC-092611 SL-001-SA3-SS-0.0-0.5 SL-001-SA5DS-SS-0.0-0.5 SL-002-SA3-SS-0.0-0.5 SL-002-SA5DS-SS-0.0-0.5 SL-026-SA5DS-SS-0.0-0.5 SL-027-SA5DS-SS-0.0-0.5 SL-028-SA5DS-SS-0.0-0.5 SL-029-SA5DS-SS-0.0-0.5 SL-030-SA5DS-SS-0.0-0.5 SL-031-SA5DS-SS-0.0-0.5 SL-032-SA5DS-SS-0.0-0.5
P27108AB221731	10/7/2011 5:31:00 PM	CALCIUM IRON MAGNESIUM	7.97 mg/Kg 12.9 mg/Kg 1.96 mg/Kg	DUP01-SA5DS-QC-092611 SL-001-SA3-SS-0.0-0.5 SL-001-SA5DS-SS-0.0-0.5 SL-002-SA3-SS-0.0-0.5 SL-002-SA5DS-SS-0.0-0.5 SL-026-SA5DS-SS-0.0-0.5 SL-027-SA5DS-SS-0.0-0.5 SL-028-SA5DS-SS-0.0-0.5 SL-029-SA5DS-SS-0.0-0.5 SL-030-SA5DS-SS-0.0-0.5 SL-031-SA5DS-SS-0.0-0.5 SL-032-SA5DS-SS-0.0-0.5
P27708BB220741	10/5/2011 7:41:00 AM	TITANIUM	0.0840 mg/Kg	SL-028-SA7-SB-8.0-9.0

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP01-SA5DS-QC-092611(REA)	TIN	2.90 mg/Kg	2.90U mg/Kg
SL-001-SA3-SS-0.0-0.5(REA)	TIN	3.17 mg/Kg	3.17U mg/Kg
SL-001-SA5DS-SS-0.0-0.5(REA)	TIN	3.00 mg/Kg	3.00U mg/Kg
SL-002-SA3-SS-0.0-0.5(REA)	TIN	2.78 mg/Kg	2.78U mg/Kg
SL-002-SA5DS-SS-0.0-0.5(REA)	TIN	3.06 mg/Kg	3.06U mg/Kg
SL-026-SA5DS-SS-0.0-0.5(REA)	TIN	2.20 mg/Kg	2.20U mg/Kg
SL-027-SA5DS-SS-0.0-0.5(REA)	TIN	2.63 mg/Kg	2.63U mg/Kg
SL-028-SA5DS-SS-0.0-0.5(REA)	TIN	3.05 mg/Kg	3.05U mg/Kg
SL-028-SA7-SB-8.0-9.0(RES)	TIN	2.53 mg/Kg	2.53U mg/Kg
SL-029-SA5DS-SS-0.0-0.5(REA)	TIN	3.12 mg/Kg	3.12U mg/Kg
SL-030-SA5DS-SS-0.0-0.5(REA)	TIN	3.08 mg/Kg	3.08U mg/Kg
SL-031-SA5DS-SS-0.0-0.5(REA)	TIN	3.21 mg/Kg	3.21U mg/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:17:01 AM

ADR version 1.4.0.111

Page 1 of 2

Method Blank Outlier Report

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method: 6010B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
------------------------	---------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
SL-032-SA5DS-SS-0.0-0.5(REA)	TIN	3.07 mg/Kg	3.07U mg/Kg

Method: 6020
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P26926AB220448A	10/4/2011 4:48:00 AM	LEAD	0.0329 mg/Kg	SL-028-SA7-SB-8.0-9.0

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method: 8151A
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-001-SA5DS-SS-0.0-0.5 MS SL-001-SA5DS-SS-0.0-0.5 MSD (SL-001-SA5DS-SS-0.0-0.5)	2,4-D	229	-	17.00-180.00	114 (35.00)	2,4-D	J (all detects)
SL-001-SA5DS-SS-0.0-0.5 MS SL-001-SA5DS-SS-0.0-0.5 MSD (SL-001-SA5DS-SS-0.0-0.5)	2,4,5-TP (Silvex) 2,4-DB DALAPON DICAMBA DICHLOROPROP DINOSEB MCPA MCPD	0 0 - 0 0 0 0 0	0 0 0 0 6 0 0	24.00-141.00 10.00-201.00 10.00-125.00 10.00-190.00 33.00-178.00 10.00-46.00 10.00-213.00 10.00-184.00	- - 200 (50.00) - - 200 (35.00) - -	2,4,5-TP (Silvex) 2,4-DB DALAPON DICAMBA DICHLOROPROP DINOSEB MCPA MCPD	J(all detects) R(all non-detects)

Method: 8081A
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-001-SA5DS-SS-0.0-0.5 MS SL-001-SA5DS-SS-0.0-0.5 MSD (SL-001-SA5DS-SS-0.0-0.5)	4,4'-DDD ENDRIN ALDEHYDE	0 0	- -	16.00-163.00 10.00-148.00	200 (50.00) -	4,4'-DDD ENDRIN ALDEHYDE	J(all detects) R(all non-detects)

Method: 6020
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-001-SA5DS-SS-0.0-0.5 MS SL-001-SA5DS-SS-0.0-0.5 MSD (DUP01-SA5DS-QC-092611 SL-001-SA3-SS-0.0-0.5 SL-001-SA5DS-SS-0.0-0.5 SL-002-SA3-SS-0.0-0.5 SL-002-SA5DS-SS-0.0-0.5 SL-026-SA5DS-SS-0.0-0.5 SL-027-SA5DS-SS-0.0-0.5 SL-028-SA5DS-SS-0.0-0.5 SL-029-SA5DS-SS-0.0-0.5 SL-030-SA5DS-SS-0.0-0.5 SL-031-SA5DS-SS-0.0-0.5 SL-032-SA5DS-SS-0.0-0.5)	ARSENIC CADMIUM CHROMIUM COPPER NICKEL SILVER THALLIUM VANADIUM ZINC	187 143 181 131 147 139 134 213 -	150 143 164 134 143 140 141 202 131	75.00-125.00 75.00-125.00 75.00-125.00 75.00-125.00 75.00-125.00 75.00-125.00 75.00-125.00 75.00-125.00 75.00-125.00	- - - - - - - - -	ARSENIC CADMIUM CHROMIUM COPPER NICKEL SILVER THALLIUM VANADIUM ZINC	J(all detects)
SL-001-SA5DS-SS-0.0-0.5 MS (DUP01-SA5DS-QC-092611 SL-001-SA3-SS-0.0-0.5 SL-001-SA5DS-SS-0.0-0.5 SL-002-SA3-SS-0.0-0.5 SL-002-SA5DS-SS-0.0-0.5 SL-026-SA5DS-SS-0.0-0.5 SL-027-SA5DS-SS-0.0-0.5 SL-028-SA5DS-SS-0.0-0.5 SL-029-SA5DS-SS-0.0-0.5 SL-030-SA5DS-SS-0.0-0.5 SL-031-SA5DS-SS-0.0-0.5 SL-032-SA5DS-SS-0.0-0.5)	LEAD	7	-	75.00-125.00	-	LEAD	No Qual, >4x

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 9:57:26 AM

ADR version 1.4.0.111

Page 1 of 4

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method: 6020

Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-001-SA5DS-SS-0.0-0.5 MS SL-001-SA5DS-SS-0.0-0.5 MSD (DUP01-SA5DS-QC-092611 SL-001-SA3-SS-0.0-0.5 SL-001-SA5DS-SS-0.0-0.5 SL-002-SA3-SS-0.0-0.5 SL-002-SA5DS-SS-0.0-0.5 SL-026-SA5DS-SS-0.0-0.5 SL-027-SA5DS-SS-0.0-0.5 SL-028-SA5DS-SS-0.0-0.5 SL-029-SA5DS-SS-0.0-0.5 SL-030-SA5DS-SS-0.0-0.5 SL-031-SA5DS-SS-0.0-0.5 SL-032-SA5DS-SS-0.0-0.5)	ANTIMONY	54	50	75.00-125.00	-	ANTIMONY	J(all detects) UJ(all non-detects)
SL-001-SA5DS-SS-0.0-0.5 MS SL-001-SA5DS-SS-0.0-0.5 MSD (DUP01-SA5DS-QC-092611 SL-001-SA3-SS-0.0-0.5 SL-001-SA5DS-SS-0.0-0.5 SL-002-SA3-SS-0.0-0.5 SL-002-SA5DS-SS-0.0-0.5 SL-026-SA5DS-SS-0.0-0.5 SL-027-SA5DS-SS-0.0-0.5 SL-028-SA5DS-SS-0.0-0.5 SL-029-SA5DS-SS-0.0-0.5 SL-030-SA5DS-SS-0.0-0.5 SL-031-SA5DS-SS-0.0-0.5 SL-032-SA5DS-SS-0.0-0.5)	SELENIUM	137	135	75.00-125.00	-	SELENIUM	J(all detects)
SL-001-SA5DS-SS-0.0-0.5 MS SL-001-SA5DS-SS-0.0-0.5 MSD (DUP01-SA5DS-QC-092611 SL-001-SA3-SS-0.0-0.5 SL-001-SA5DS-SS-0.0-0.5 SL-002-SA3-SS-0.0-0.5 SL-002-SA5DS-SS-0.0-0.5 SL-026-SA5DS-SS-0.0-0.5 SL-027-SA5DS-SS-0.0-0.5 SL-028-SA5DS-SS-0.0-0.5 SL-029-SA5DS-SS-0.0-0.5 SL-030-SA5DS-SS-0.0-0.5 SL-031-SA5DS-SS-0.0-0.5 SL-032-SA5DS-SS-0.0-0.5)	MOLYBDENUM	145	147	75.00-125.00	-	MOLYBDENUM	J(all detects)
SL-001-SA5DS-SS-0.0-0.5 MS SL-001-SA5DS-SS-0.0-0.5 MSD (DUP01-SA5DS-QC-092611 SL-001-SA3-SS-0.0-0.5 SL-001-SA5DS-SS-0.0-0.5 SL-002-SA3-SS-0.0-0.5 SL-002-SA5DS-SS-0.0-0.5 SL-026-SA5DS-SS-0.0-0.5 SL-027-SA5DS-SS-0.0-0.5 SL-028-SA5DS-SS-0.0-0.5 SL-029-SA5DS-SS-0.0-0.5 SL-030-SA5DS-SS-0.0-0.5 SL-031-SA5DS-SS-0.0-0.5 SL-032-SA5DS-SS-0.0-0.5)	BARIUM	133	131	75.00-125.00	-	BARIUM	No Qual, >4x

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method: 6010B
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-001-SA5DS-SS-0.0-0.5 MS SL-001-SA5DS-SS-0.0-0.5 MSD (DUP01-SA5DS-QC-092611 SL-001-SA3-SS-0.0-0.5 SL-001-SA5DS-SS-0.0-0.5 SL-002-SA3-SS-0.0-0.5 SL-002-SA5DS-SS-0.0-0.5 SL-026-SA5DS-SS-0.0-0.5 SL-027-SA5DS-SS-0.0-0.5 SL-028-SA5DS-SS-0.0-0.5 SL-029-SA5DS-SS-0.0-0.5 SL-030-SA5DS-SS-0.0-0.5 SL-031-SA5DS-SS-0.0-0.5 SL-032-SA5DS-SS-0.0-0.5)	ALUMINUM CALCIUM IRON MAGNESIUM TITANIUM	948 335 330 144 529	956 259 763 192 548	75.00-125.00 75.00-125.00 75.00-125.00 75.00-125.00 75.00-125.00	- - - - -	ALUMINUM CALCIUM IRON MAGNESIUM TITANIUM	No Qual, >4x

Method: 8270C SIM
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-001-SA5DS-SS-0.0-0.5 MS (SL-001-SA5DS-SS-0.0-0.5)	BIS(2-ETHYLHEXYL)PHTHALAT	197	-	39.00-167.00	-	BIS(2-ETHYLHEXYL)PHTHALA	J(all detects)

Method: 300.0
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-001-SA5DS-SS-0.0-0.5 MS (SL-001-SA3-SS-0.0-0.5 SL-001-SA5DS-SS-0.0-0.5 SL-002-SA3-SS-0.0-0.5 SL-002-SA5DS-SS-0.0-0.5 SL-026-SA5DS-SS-0.0-0.5 SL-027-SA5DS-SS-0.0-0.5 SL-028-SA5DS-SS-0.0-0.5 SL-029-SA5DS-SS-0.0-0.5 SL-030-SA5DS-SS-0.0-0.5 SL-031-SA5DS-SS-0.0-0.5)	FLUORIDE	50	-	80.00-120.00	-	FLUORIDE	J(all detects) UJ(all non-detects)
SL-032-SA5DS-SS-0.0-0.5MS (DUP01-SA5DS-QC-092611 SL-032-SA5DS-SS-0.0-0.5)	FLUORIDE	76	-	80.00-120.00	-	FLUORIDE	J(all detects) UJ(all non-detects)

Method: 8270C
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-001-SA5DS-SS-0.0-0.5 MSD (SL-001-SA5DS-SS-0.0-0.5)	2,4-DINITROPHENOL BENZOIC ACID PENTACHLOROPHENOL	- - -	- - -	20.00-143.00 10.00-173.00 28.00-127.00	36 (30.00) 34 (30.00) 39 (30.00)	2,4-DINITROPHENOL BENZOIC ACID PENTACHLOROPHENOL	J(all detects)

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 9:57:26 AM

ADR version 1.4.0.111

Page 3 of 4

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method: 8270C

Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-001-SA5DS-SS-0.0-0.5 MS SL-001-SA5DS-SS-0.0-0.5 MSD (SL-001-SA5DS-SS-0.0-0.5)	BENZIDINE	0	0	35.00-141.00	-	BENZIDINE	J(all detects) R(all non-detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method: 300.0
Matrix: SO

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
SL-032-SA5DS-SS-0.0-0.5DUP (DUP01-SA5DS-QC-092611 SL-032-SA5DS-SS-0.0-0.5)	FLUORIDE	42	20.00	No Qual, OK by Difference
SL-001-SA5DS-SS-0.0-0.5 DUP (SL-001-SA3-SS-0.0-0.5 SL-001-SA5DS-SS-0.0-0.5 SL-002-SA3-SS-0.0-0.5 SL-002-SA5DS-SS-0.0-0.5 SL-026-SA5DS-SS-0.0-0.5 SL-027-SA5DS-SS-0.0-0.5 SL-028-SA5DS-SS-0.0-0.5 SL-029-SA5DS-SS-0.0-0.5 SL-030-SA5DS-SS-0.0-0.5 SL-031-SA5DS-SS-0.0-0.5)	FLUORIDE	27	20.00	No Qual, OK by Difference

Method: 6020
Matrix: SO

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
SL-001-SA5DS-SS-0.0-0.5 DUP (DUP01-SA5DS-QC-092611 SL-001-SA3-SS-0.0-0.5 SL-001-SA5DS-SS-0.0-0.5 SL-002-SA3-SS-0.0-0.5 SL-002-SA5DS-SS-0.0-0.5 SL-026-SA5DS-SS-0.0-0.5 SL-027-SA5DS-SS-0.0-0.5 SL-028-SA5DS-SS-0.0-0.5 SL-029-SA5DS-SS-0.0-0.5 SL-030-SA5DS-SS-0.0-0.5 SL-031-SA5DS-SS-0.0-0.5 SL-032-SA5DS-SS-0.0-0.5)	CADMIUM	24	20.00	No Qual, OK by Difference

Method: 7471A
Matrix: SO

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
SL-001-SA5DS-SS-0.0-0.5 DUP (DUP01-SA5DS-QC-092611 SL-001-SA3-SS-0.0-0.5 SL-001-SA5DS-SS-0.0-0.5 SL-002-SA3-SS-0.0-0.5 SL-002-SA5DS-SS-0.0-0.5 SL-026-SA5DS-SS-0.0-0.5 SL-027-SA5DS-SS-0.0-0.5 SL-028-SA5DS-SS-0.0-0.5 SL-029-SA5DS-SS-0.0-0.5 SL-030-SA5DS-SS-0.0-0.5 SL-031-SA5DS-SS-0.0-0.5 SL-032-SA5DS-SS-0.0-0.5)	MERCURY	200	20.00	No Qual, OK by Difference

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:11:43 AM

ADR version 1.4.0.111

Page 1 of 1

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method: 8151A

Matrix: SO

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P12773AQ242124A (DUP01 -SA5DS -QC-092611 SL -001-SA3-SS-0.0-0.5 SL -001-SA5DS-SS-0.0-0.5 SL -002-SA3-SS-0.0-0.5 SL -002-SA5DS-SS-0.0-0.5 SL -026-SA5DS-SS-0.0-0.5 SL -027-SA5DS-SS-0.0-0.5 SL -028-SA5DS-SS-0.0-0.5 SL -029-SA5DS-SS-0.0-0.5 SL -030-SA5DS-SS-0.0-0.5 SL -031-SA5DS-SS-0.0-0.5 SL -032-SA5DS-SS-0.0-0.5)	DINOSEB	9	-	10.00-36.00	-	DINOSEB	J (all detects) R (all non-detects)

Method: 6020

Matrix: SO

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P26926AQ220450A (SL-028-SA7-SB-8.0-9.0)	ANTIMONY	65	-	80.00-120.00	-	ANTIMONY	No Qual, SRM Within QC Limits

Method: 6010B

Matrix: SO

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P26908EQ220707 (SL-028-SA7-SB-8.0-9.0)	ALUMINUM	138	-	80.00-120.00	-	ALUMINUM	No Qual, SRM Within QC Limits
P27108AQ220723 P27108AQ221735 (DUP01 -SA5DS -QC-092611 SL -001-SA3-SS-0.0-0.5 SL -001-SA5DS-SS-0.0-0.5 SL -002-SA3-SS-0.0-0.5 SL -002-SA5DS-SS-0.0-0.5 SL -026-SA5DS-SS-0.0-0.5 SL -027-SA5DS-SS-0.0-0.5 SL -028-SA5DS-SS-0.0-0.5 SL -029-SA5DS-SS-0.0-0.5 SL -030-SA5DS-SS-0.0-0.5 SL -031-SA5DS-SS-0.0-0.5 SL -032-SA5DS-SS-0.0-0.5)	ALUMINUM IRON MAGNESIUM	143 140 122	- - -	80.00-120.00 80.00-120.00 80.00-120.00	- - -	ALUMINUM IRON MAGNESIUM	No Qual, SRM Within QC Limits

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method: 8270C

Matrix: SO

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P7LC LCSQ262217 (DUP01 -SA5DS -QC-092611 SL -001-SA3-SS-0.0-0.5 SL -001-SA5DS -SS-0.0-0.5 SL -002-SA3-SS-0.0-0.5 SL -002-SA5DS -SS-0.0-0.5 SL -026-SA5DS -SS-0.0-0.5 SL -027-SA5DS -SS-0.0-0.5 SL -028-SA5DS -SS-0.0-0.5 SL -028-SA7-SB-8.0-9.0 SL -029-SA5DS -SS-0.0-0.5 SL -030-SA5DS -SS-0.0-0.5 SL -031-SA5DS -SS-0.0-0.5 SL -032-SA5DS -SS-0.0-0.5)	4,6-DINITRO-2-METHYLPHENOL	43	-	46.00-120.00	-	4,6-DINITRO-2-METHYLPHEN	J(all detects) UJ(all non-detects)

Surrogate Outlier Report

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method: 8081A

Matrix: SO

<i>Sample ID</i>	<i>Surrogate</i>	<i>Sample % Recovery</i>	<i>% Recovery Limits</i>	<i>Affected Compounds</i>	<i>Flag</i>
SL-001-SA3-SS-0.0 -0.5	DECACHLOROBIPHENYL	123	20.00-120.00	All Target Analytes	J (all detects)
SL-028-SA5DS-SS- 0.0-0.5	DECACHLOROBIPHENYL	145	20.00-120.00	All Target Analytes	No Qual, Diluted Out

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:08:38 AM

ADR version 1.4.0.111

Page 1 of 1

Field Duplicate RPD Report

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-001-SA5DS-SS-0.0-0.5	DUP01-SA5DS-QC-092611			
MOISTURE	0.67	0.73	9		No Qualifiers Applied

Method: 300.0

Matrix: SO

Analyte	Concentration (mg/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-001-SA5DS-SS-0.0-0.5	DUP01-SA5DS-QC-092611			
FLUORIDE	4.6	2.9	45	50.00	No Qualifiers Applied

Method: 6010B

Matrix: SO

Analyte	Concentration (mg/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-001-SA5DS-SS-0.0-0.5	DUP01-SA5DS-QC-092611			
ALUMINUM	12200	12200	0	50.00	No Qualifiers Applied
BORON	7.49	6.86	9	50.00	
CALCIUM	5160	5090	1	50.00	
IRON	22900	23700	3	50.00	
LITHIUM	16.2	18.2	12	50.00	
MAGNESIUM	5630	5790	3	50.00	
MANGANESE	305	308	1	50.00	
PHOSPHORUS	878	879	0	50.00	
POTASSIUM	1760	1630	8	50.00	
SODIUM	124	109	13	50.00	
STRONTIUM	22.0	22.4	2	50.00	
TIN	3.00	2.90	3	50.00	
TITANIUM	1240	1160	7	50.00	
Zirconium	12.5	8.12	42	50.00	

Method: 6020

Matrix: SO

Analyte	Concentration (mg/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-001-SA5DS-SS-0.0-0.5	DUP01-SA5DS-QC-092611			
ANTIMONY	0.436	0.430	1	50.00	No Qualifiers Applied
ARSENIC	7.36	8.99	20	50.00	
BARIUM	69.4	98.1	34	50.00	
BERYLLIUM	0.401	0.397	1	50.00	
CADMIUM	0.294	0.351	18	50.00	
CHROMIUM	54.1	63.1	15	50.00	
COBALT	7.42	11.7	45	50.00	
COPPER	7.37	8.84	18	50.00	
LEAD	40.1	48.0	18	50.00	
MOLYBDENUM	0.757	0.906	18	50.00	
NICKEL	14.0	19.4	32	50.00	
SELENIUM	0.257	0.275	7	50.00	
SILVER	0.0372	0.0541	37	50.00	
THALLIUM	0.172	0.197	14	50.00	
VANADIUM	98.1	118	18	50.00	
ZINC	72.7	82.3	12	50.00	

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:19:21 AM

ADR version 1.4.0.111

Page 1 of 2

Field Duplicate RPD Report

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method: 7471A

Matrix: SO

Analyte	Concentration (mg/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-001-SA5DS-SS-0.0-0.5	DUP01-SA5DS-QC-092611			
MERCURY	0.0133	0.0115	15	50.00	No Qualifiers Applied

Method: 8081A

Matrix: SO

Analyte	Concentration (ug/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-001-SA5DS-SS-0.0-0.5	DUP01-SA5DS-QC-092611			
4,4'-DDE	0.52	0.70	30	50.00	No Qualifiers Applied
4,4'-DDT	1.2	1.5	22	50.00	
ENDRIN ALDEHYDE	0.43	0.51	17	50.00	
Chlordane	2.0	5.3	90	50.00	J(all detects) UJ(all non-detects)
DELTA-BHC	0.17 U	0.48	200	50.00	

Method: 8082

Matrix: SO

Analyte	Concentration (ug/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-001-SA5DS-SS-0.0-0.5	DUP01-SA5DS-QC-092611			
AROCLOR 1254	8.0	4.9	48	50.00	No Qualifiers Applied
AROCLOR 1260	7.7	5.9	26	50.00	
Aroclor 5460	2.4	7.4	102	50.00	J(all detects)

Method: 8270C SIM

Matrix: SO

Analyte	Concentration (ug/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-001-SA5DS-SS-0.0-0.5	DUP01-SA5DS-QC-092611			
CHRYSENE	0.49	0.75	42	50.00	No Qualifiers Applied
BENZO(B)FLUORANTHENE	3.2	1.1	98	50.00	J(all detects) UJ(all non-detects)
Di-n-octylphthalate	6.9	18 U	200	50.00	

Method: 8270C

Matrix: SO

Analyte	Concentration (ug/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-001-SA5DS-SS-0.0-0.5	DUP01-SA5DS-QC-092611			
PHENOL	170 U	18	200	50.00	J(all detects) UJ(all non-detects)

Method: 9045M

Matrix: SO

Analyte	Concentration (pH unit)		Sample RPD	eQAPP RPD	Flag
	SL-001-SA5DS-SS-0.0-0.5	DUP01-SA5DS-QC-092611			
PH	6.04	6.51	7	50.00	No Qualifiers Applied

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:19:21 AM

ADR version 1.4.0.111

Page 2 of 2

Reporting Limit Outliers

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method: 6010B
Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP01-SA5DS-QC-092611	TIN	J	2.90	9.88	PQL	mg/Kg	J (all detects)
SL-001-SA3-SS-0.0-0.5	SODIUM	J	87.8	98.0	PQL	mg/Kg	J (all detects)
	TIN	J	3.17	9.80	PQL	mg/Kg	
	Zirconium	J	2.95	4.90	PQL	mg/Kg	
SL-001-SA5DS-SS-0.0-0.5	TIN	J	3.00	10.1	PQL	mg/Kg	J (all detects)
SL-002-SA3-SS-0.0-0.5	SODIUM	J	74.5	97.1	PQL	mg/Kg	J (all detects)
	TIN	J	2.78	9.71	PQL	mg/Kg	
	Zirconium	J	2.40	4.85	PQL	mg/Kg	
SL-002-SA5DS-SS-0.0-0.5	TIN	J	3.06	10.0	PQL	mg/Kg	J (all detects)
SL-026-SA5DS-SS-0.0-0.5	TIN	J	2.20	9.85	PQL	mg/Kg	J (all detects)
	Zirconium	J	2.89	4.92	PQL	mg/Kg	
SL-027-SA5DS-SS-0.0-0.5	TIN	J	2.63	9.83	PQL	mg/Kg	J (all detects)
SL-028-SA5DS-SS-0.0-0.5	TIN	J	3.05	9.76	PQL	mg/Kg	J (all detects)
	Zirconium	J	2.42	4.88	PQL	mg/Kg	
SL-028-SA7-SB-8.0-9.0	TIN	J	2.53	10.6	PQL	mg/Kg	J (all detects)
	Zirconium	J	0.771	5.30	PQL	mg/Kg	
SL-029-SA5DS-SS-0.0-0.5	TIN	J	3.12	10.2	PQL	mg/Kg	J (all detects)
	Zirconium	J	4.39	5.12	PQL	mg/Kg	
SL-030-SA5DS-SS-0.0-0.5	TIN	J	3.08	10.1	PQL	mg/Kg	J (all detects)
	Zirconium	J	3.54	5.06	PQL	mg/Kg	
SL-031-SA5DS-SS-0.0-0.5	TIN	J	3.21	10.4	PQL	mg/Kg	J (all detects)
	Zirconium	J	5.13	5.18	PQL	mg/Kg	
SL-032-SA5DS-SS-0.0-0.5	TIN	J	3.07	10.2	PQL	mg/Kg	J (all detects)
	Zirconium	J	2.88	5.11	PQL	mg/Kg	

Method: 6020
Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP01-SA5DS-QC-092611	SELENIUM	J	0.275	0.403	PQL	mg/Kg	J (all detects)
	SILVER	J	0.0541	0.101	PQL	mg/Kg	
SL-001-SA3-SS-0.0-0.5	ANTIMONY	J	0.122	0.196	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.145	0.392	PQL	mg/Kg	
	SILVER	J	0.0759	0.0980	PQL	mg/Kg	
SL-001-SA5DS-SS-0.0-0.5	SELENIUM	J	0.257	0.395	PQL	mg/Kg	J (all detects)
	SILVER	J	0.0372	0.0987	PQL	mg/Kg	
SL-002-SA3-SS-0.0-0.5	ANTIMONY	J	0.141	0.198	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.132	0.396	PQL	mg/Kg	
	SILVER	J	0.0809	0.0990	PQL	mg/Kg	
SL-002-SA5DS-SS-0.0-0.5	SELENIUM	J	0.294	0.405	PQL	mg/Kg	J (all detects)
	SILVER	J	0.0472	0.101	PQL	mg/Kg	
SL-026-SA5DS-SS-0.0-0.5	ANTIMONY	J	0.102	0.199	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.154	0.398	PQL	mg/Kg	
	SILVER	J	0.0205	0.0994	PQL	mg/Kg	
SL-027-SA5DS-SS-0.0-0.5	ANTIMONY	J	0.194	0.198	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.282	0.397	PQL	mg/Kg	
SL-028-SA5DS-SS-0.0-0.5	ANTIMONY	J	0.145	0.195	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.144	0.391	PQL	mg/Kg	

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/6/2012 10:17:32 AM

ADR version 1.4.0.111

Page 1 of 5

Reporting Limit Outliers

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method: 6020

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-028-SA7-SB-8.0-9.0	CADMIUM	J	0.0722	0.103	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.0969	0.412	PQL	mg/Kg	
	SILVER	J	0.0176	0.103	PQL	mg/Kg	
SL-029-SA5DS-SS-0.0-0.5	SILVER	J	0.0472	0.101	PQL	mg/Kg	J (all detects)
SL-030-SA5DS-SS-0.0-0.5	ANTIMONY	J	0.182	0.202	PQL	mg/Kg	J (all detects)
	SILVER	J	0.0488	0.101	PQL	mg/Kg	
SL-031-SA5DS-SS-0.0-0.5	SILVER	J	0.0554	0.101	PQL	mg/Kg	J (all detects)
SL-032-SA5DS-SS-0.0-0.5	SILVER	J	0.0435	0.101	PQL	mg/Kg	J (all detects)

Method: 7199

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-026-SA5DS-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.34	1.0	PQL	mg/Kg	J (all detects)
SL-028-SA5DS-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.38	1.0	PQL	mg/Kg	J (all detects)
SL-028-SA7-SB-8.0-9.0	HEXAVALENT CHROMIUM	J	0.32	1.1	PQL	mg/Kg	J (all detects)
SL-031-SA5DS-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.38	1.0	PQL	mg/Kg	J (all detects)
SL-032-SA5DS-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.37	1.0	PQL	mg/Kg	J (all detects)

Method: 7471A

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP01-SA5DS-QC-092611	MERCURY	J	0.0115	0.0943	PQL	mg/Kg	J (all detects)
SL-001-SA5DS-SS-0.0-0.5	MERCURY	J	0.0133	0.0997	PQL	mg/Kg	J (all detects)
SL-002-SA5DS-SS-0.0-0.5	MERCURY	J	0.0222	0.0979	PQL	mg/Kg	J (all detects)
SL-028-SA5DS-SS-0.0-0.5	MERCURY	J	0.0095	0.0996	PQL	mg/Kg	J (all detects)
SL-029-SA5DS-SS-0.0-0.5	MERCURY	J	0.0076	0.0964	PQL	mg/Kg	J (all detects)
SL-030-SA5DS-SS-0.0-0.5	MERCURY	J	0.0145	0.100	PQL	mg/Kg	J (all detects)
SL-031-SA5DS-SS-0.0-0.5	MERCURY	J	0.0130	0.100	PQL	mg/Kg	J (all detects)

Method: 8081A

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-001-SA3-SS-0.0-0.5	Chlordane	J	2.4	3.4	PQL	ug/Kg	J (all detects)
SL-001-SA5DS-SS-0.0-0.5	Chlordane	J	2.0	3.4	PQL	ug/Kg	J (all detects)
SL-002-SA3-SS-0.0-0.5	Chlordane	J	1.7	3.4	PQL	ug/Kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method: 8081A

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-002-SA5DS-SS-0.0-0.5	BETA-BHC	J	0.14	0.17	PQL	ug/Kg	J (all detects)
	DELTA-BHC	J	0.052	0.17	PQL	ug/Kg	
	gamma-BHC (Lindane)	J	0.040	0.17	PQL	ug/Kg	
SL-027-SA5DS-SS-0.0-0.5	4,4'-DDE	J	1.1	1.7	PQL	ug/Kg	J (all detects)
	4,4'-DDT	J	1.3	1.7	PQL	ug/Kg	
SL-028-SA5DS-SS-0.0-0.5	Chlordane	J	10	17	PQL	ug/Kg	J (all detects)
SL-029-SA5DS-SS-0.0-0.5	Chlordane	J	3.3	3.5	PQL	ug/Kg	J (all detects)
SL-030-SA5DS-SS-0.0-0.5	ALPHA-BHC	J	0.090	0.17	PQL	ug/Kg	J (all detects)
	Chlordane	J	3.4	3.5	PQL	ug/Kg	
	ENDOSULFAN I	J	0.089	0.17	PQL	ug/Kg	
SL-032-SA5DS-SS-0.0-0.5	Chlordane	J	2.6	3.5	PQL	ug/Kg	J (all detects)
	gamma-BHC (Lindane)	J	0.057	0.17	PQL	ug/Kg	
	METHOXYCHLOR	J	0.81	1.7	PQL	ug/Kg	

Method: 8082

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-001-SA3-SS-0.0-0.5	AROCLOR 1254	J	0.53	1.7	PQL	ug/Kg	J (all detects)
	AROCLOR 1260	J	1.3	1.7	PQL	ug/Kg	
	Aroclor 5460	J	3.0	3.3	PQL	ug/Kg	
SL-001-SA5DS-SS-0.0-0.5	Aroclor 5460	J	2.4	3.3	PQL	ug/Kg	J (all detects)
SL-002-SA3-SS-0.0-0.5	AROCLOR 1254	J	1.3	1.7	PQL	ug/Kg	J (all detects)
SL-002-SA5DS-SS-0.0-0.5	Aroclor 5460	J	3.3	3.4	PQL	ug/Kg	J (all detects)
SL-028-SA5DS-SS-0.0-0.5	AROCLOR 1260	J	0.98	1.7	PQL	ug/Kg	J (all detects)
SL-030-SA5DS-SS-0.0-0.5	AROCLOR 1260	J	1.3	1.7	PQL	ug/Kg	J (all detects)

Method: 8151A

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-001-SA3-SS-0.0-0.5	DICHLOROPROP	J	1.6	1.7	PQL	ug/Kg	J (all detects)
SL-002-SA3-SS-0.0-0.5	2,4-D	J	2.5	3.6	PQL	ug/Kg	J (all detects)
SL-026-SA5DS-SS-0.0-0.5	DINOSEB	J	0.86	2.4	PQL	ug/Kg	J (all detects)
SL-028-SA5DS-SS-0.0-0.5	MCPA	J	120	250	PQL	ug/Kg	J (all detects)
SL-029-SA5DS-SS-0.0-0.5	2,4-DB	J	1.7	1.8	PQL	ug/Kg	J (all detects)
SL-032-SA5DS-SS-0.0-0.5	2,4,5-T	J	0.15	0.17	PQL	ug/Kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method: 8270C
Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP01-SA5DS-QC-092611	BIS(2-ETHYLHEXYL)PHTHALATE	J	51	330	PQL	ug/Kg	J (all detects)
	PHENOL	J	18	170	PQL	ug/Kg	
SL-001-SA5DS-SS-0.0-0.5	FLUORANTHENE	J	36	170	PQL	ug/Kg	J (all detects)
	PHENANTHRENE	J	35	170	PQL	ug/Kg	
	PYRENE	J	24	170	PQL	ug/Kg	
SL-002-SA3-SS-0.0-0.5	BIS(2-ETHYLHEXYL)PHTHALATE	J	83	330	PQL	ug/Kg	J (all detects)
SL-026-SA5DS-SS-0.0-0.5	BENZO(A)PYRENE	J	1400	8300	PQL	ug/Kg	J (all detects)
	BENZO(B)FLUORANTHENE	J	1400	8300	PQL	ug/Kg	
	BENZO(G,H,I)PERYLENE	J	1100	8300	PQL	ug/Kg	
	CHRYSENE	J	1500	8300	PQL	ug/Kg	
	FLUORANTHENE	J	1100	8300	PQL	ug/Kg	
	PYRENE	J	1300	8300	PQL	ug/Kg	
SL-028-SA5DS-SS-0.0-0.5	PHENOL	J	18	170	PQL	ug/Kg	J (all detects)
SL-029-SA5DS-SS-0.0-0.5	PHENOL	J	18	170	PQL	ug/Kg	J (all detects)
SL-031-SA5DS-SS-0.0-0.5	BIS(2-ETHYLHEXYL)PHTHALATE	J	18	340	PQL	ug/Kg	J (all detects)
	PHENOL	J	20	170	PQL	ug/Kg	
SL-032-SA5DS-SS-0.0-0.5	PHENOL	J	18	170	PQL	ug/Kg	J (all detects)

Method: 8270C SIM
Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP01-SA5DS-QC-092611	BENZO(B)FLUORANTHENE	J	1.1	1.7	PQL	ug/Kg	J (all detects)
	CHRYSENE	J	0.75	1.7	PQL	ug/Kg	
SL-001-SA3-SS-0.0-0.5	BIS(2-ETHYLHEXYL)PHTHALATE	J	5.9	18	PQL	ug/Kg	J (all detects)
	CHRYSENE	J	0.97	1.6	PQL	ug/Kg	
	FLUORANTHENE	J	1.2	1.6	PQL	ug/Kg	
	PYRENE	J	1.1	1.6	PQL	ug/Kg	
SL-001-SA5DS-SS-0.0-0.5	BIS(2-ETHYLHEXYL)PHTHALATE	J	13	18	PQL	ug/Kg	J (all detects)
	CHRYSENE	J	0.49	1.7	PQL	ug/Kg	
	Di-n-octylphthalate	J	6.9	18	PQL	ug/Kg	
SL-002-SA3-SS-0.0-0.5	2-METHYLNAPHTHALENE	J	0.66	1.7	PQL	ug/Kg	J (all detects)
	ANTHRACENE	J	0.36	1.7	PQL	ug/Kg	
	BENZO(A)ANTHRACENE	J	1.1	1.7	PQL	ug/Kg	
	BENZO(G,H,I)PERYLENE	J	1.0	1.7	PQL	ug/Kg	
	BENZO(K)FLUORANTHENE	J	1.1	1.7	PQL	ug/Kg	
	INDENO(1,2,3-CD)PYRENE	J	0.80	1.7	PQL	ug/Kg	
	NAPHTHALENE	J	1.2	1.7	PQL	ug/Kg	
SL-002-SA5DS-SS-0.0-0.5	2-METHYLNAPHTHALENE	J	0.70	1.7	PQL	ug/Kg	J (all detects)
	BENZO(A)ANTHRACENE	J	0.96	1.7	PQL	ug/Kg	
	BENZO(G,H,I)PERYLENE	J	1.2	1.7	PQL	ug/Kg	
	Butylbenzylphthalate	J	7.1	18	PQL	ug/Kg	
	Di-n-octylphthalate	J	11	18	PQL	ug/Kg	
	INDENO(1,2,3-CD)PYRENE	J	0.88	1.7	PQL	ug/Kg	
	NAPHTHALENE	J	1.3	1.7	PQL	ug/Kg	
SL-026-SA5DS-SS-0.0-0.5	ACENAPHTHYLENE	J	0.48	1.7	PQL	ug/Kg	J (all detects)
	BIS(2-ETHYLHEXYL)PHTHALATE	J	9.0	18	PQL	ug/Kg	
	NAPHTHALENE	J	0.99	1.7	PQL	ug/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DE253

Laboratory: LL

EDD Filename: DE253_v2.

eQAPP Name: CDM_SSFL_110509

Method: 8270C SIM

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-027-SA5DS-SS-0.0-0.5	BENZO(A)ANTHRACENE	J	3.9	8.4	PQL	ug/Kg	J (all detects)
	BIS(2-ETHYLHEXYL)PHTHALATE	J	33	90	PQL	ug/Kg	
	PHENANTHRENE	J	4.5	8.4	PQL	ug/Kg	
	PYRENE	J	7.4	8.4	PQL	ug/Kg	
SL-028-SA5DS-SS-0.0-0.5	BENZO(A)ANTHRACENE	J	0.80	1.7	PQL	ug/Kg	J (all detects)
	BENZO(A)PYRENE	J	1.1	1.7	PQL	ug/Kg	
	BENZO(K)FLUORANTHENE	J	0.72	1.7	PQL	ug/Kg	
	CHRYSENE	J	1.1	1.7	PQL	ug/Kg	
	FLUORANTHENE	J	0.86	1.7	PQL	ug/Kg	
	PYRENE	J	0.82	1.7	PQL	ug/Kg	
SL-029-SA5DS-SS-0.0-0.5	BENZO(A)ANTHRACENE	J	1.3	1.7	PQL	ug/Kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	1.2	1.7	PQL	ug/Kg	
	BENZO(K)FLUORANTHENE	J	1.2	1.7	PQL	ug/Kg	
	BIS(2-ETHYLHEXYL)PHTHALATE	J	10	19	PQL	ug/Kg	
	Di-n-octylphthalate	J	7.5	19	PQL	ug/Kg	
	INDENO(1,2,3-CD)PYRENE	J	0.76	1.7	PQL	ug/Kg	
SL-030-SA5DS-SS-0.0-0.5	BIS(2-ETHYLHEXYL)PHTHALATE	J	13	18	PQL	ug/Kg	J (all detects)
	INDENO(1,2,3-CD)PYRENE	J	0.94	1.7	PQL	ug/Kg	
	NAPHTHALENE	J	0.99	1.7	PQL	ug/Kg	
	PHENANTHRENE	J	1.4	1.7	PQL	ug/Kg	
SL-032-SA5DS-SS-0.0-0.5	1-METHYLNAPHTHALENE	J	0.84	1.7	PQL	ug/Kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.81	1.7	PQL	ug/Kg	
	ANTHRACENE	J	0.57	1.7	PQL	ug/Kg	
	BENZO(G,H,I)PERYLENE	J	1.3	1.7	PQL	ug/Kg	
	Di-n-octylphthalate	J	9.6	18	PQL	ug/Kg	
	INDENO(1,2,3-CD)PYRENE	J	1.4	1.7	PQL	ug/Kg	
	NAPHTHALENE	J	1.5	1.7	PQL	ug/Kg	

LDC #: 26859W4

VALIDATION COMPLETENESS WORKSHEET

SDG #: DE253

ADR

Laboratory: Lancaster Laboratories

Date: 12/30/11

Page: 1 of 1

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: Metals (EPA SW 846 Method 6010B/6020A/7000)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	N	Sampling dates:
II.	ICP/MS Tune	N	
III.	Calibration	N	
IV.	Blanks	SW	
V.	ICP Interference Check Sample (ICS) Analysis	N	
VI.	Matrix Spike Analysis	SW	Al, Ba, Ca, Cr, Fe, Pb, Mg, Mn, Ti, V, Zn (1-15)
VII.	Duplicate Sample Analysis	NA	Cd, Hg < 5X (1-15)
VIII.	Laboratory Control Samples (LCS)	NA	SRM
IX.	Internal Standard (ICP-MS)	N	
X.	Furnace Atomic Absorption QC	N	
XI.	ICP Serial Dilution	SW	Ba, Cr, Pb, Ni, V, Zn J/mg (1-15)
XII.	Sample Result Verification	N	
XIII.	Overall Assessment of Data	N	
XIV.	Field Duplicates	—	
XV.	Field Blanks	N	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples:

1	SL-001-SA3-SS-0.0-0.5	11	SL-032-SA5DS-SS-0.0-0.5	21	SL-001	31	
2	SL-002-SA3-SS-0.0-0.5	12	DUP01-SA5DS-QC-092611	22		32	
3	SL-002-SA5DS-SS-0.0-0.5	13	SL-001-SA5DS-SS-0.0-0.5MS	23		33	
4	SL-001-SA5DS-SS-0.0-0.5	14	SL-001-SA5DS-SS-0.0-0.5MSD	24		34	
5	SL-026-SA5DS-SS-0.0-0.5	15	SL-001-SA5DS-SS-0.0-0.5DUP	25		35	
6	SL-027-SA5DS-SS-0.0-0.5	16	SL-028-SA7-SB-828-9.0	26		36	
7	SL-028-SA5DS-SS-0.0-0.5	17		27		37	
8	SL-029-SA5DS-SS-0.0-0.5	18		28		38	
9	SL-030-SA5DS-SS-0.0-0.5	19		29		39	
10	SL-031-SA5DS-SS-0.0-0.5	20		30		40	

Notes: * # 16. batch with DE 251, (see DE 251 for MS/MSD + 146
qualifiers)

VALIDATION FINDINGS WORKSHEET

PB/ICB/CCB QUALIFIED SAMPLES

METHOD: Trace metals (EPA SW 864 Method 6010B/6020/7000)

Soil preparation factor applied: 100X

Sample Concentration units, unless otherwise noted: mg/Kg

Associated Samples: 16

Reason: B

Page: 1 of 2
Reviewer: A
2nd Reviewer: A

Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (ug/L)	Maximum ICB/CCB ^a (ug/L)	Action Limit	16															
Zr			7.5	3.75	0.77															

Sample Concentration units, unless otherwise noted: mg/Kg

Associated Samples: 1-6

Reason: B

Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (ug/L)	Maximum ICB/CCB ^a (ug/L)	Action Limit	1	2	5													
Zr			12.8	6.4	2.9	2.4	2.9													

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U". Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.



QUALITY ASSURANCE SUMMARY
FORM 5A (MS/MSD)
MATRIX SPIKE/MATRIX SPIKE DUPLICATE
SDG No.: DE253
Matrix: SOIL
Level (low/med): LOW

Background Lab Sample ID: 6419491BKG Matrix Spike Lab Sample ID: 6419492MS Matrix Spike Duplicate Lab Sample ID: 6419493MSD
% Solids for Sample: 99.3
Batch Id(s): P27108A, P27126A, P27111C

Analyte	Mass	BKG Sample		MS Sample		MSD Sample		MS Spike Added	MSD Spike Added	Units	MS		MSD		Control Limit	
		Result	C	Result	C	Result	C				\$R	Q	\$R	Q	%R	RPD
Aluminum		12168.5791		14058.4258		14074.8018		199.4157	199.4157	MG/KG	948		956		74X	20P
Antimony	121	0.4360		1.0850		1.0320		1.2085	1.1965	MG/KG	54	N	50	N	75 - 125	20MS
Arsenic	75	7.3633		11.1259		10.3577		2.0141	1.9942	MG/KG	187	N	150	N	75 - 125	20MS
Barium	137	69.4272		82.8399		82.4983		10.0705	9.9708	MG/KG	133		131		74X	20MS
Beryllium	9	0.4014		1.0512		1.0082		0.8056	0.7977	MG/KG	81		76		75 - 125	20MS
Boron		7.4884		191.7990		194.7903		199.4157	199.4157	MG/KG	92		94		84 - 115	20P
Cadmium	111	0.2944		1.7301		1.7158		1.0070	0.9971	MG/KG	143	N	143	N	75 - 125	20MS
Calcium		5159.4532		6497.2879		6192.8689		398.8314	398.8314	MG/KG	335		259		74X	20P
Chromium	52	54.1635		72.3666		70.5134		10.0705	9.9708	MG/KG	181		164		74X	20MS
Cobalt	59	7.4225		64.0483		63.8928		50.3525	49.8539	MG/KG	112		113		75 - 125	20MS
Copper	63	7.3673		20.6042		20.7392		10.0705	9.9708	MG/KG	131	N	134	N	75 - 125	20MS
Iron		22864.4179		23193.1969		23625.6678		99.7079	99.7079	MG/KG	330		763		74X	20P
Lead	208	40.0648		40.2618		43.5524		3.0211	2.9912	MG/KG	7		117		74X	20MS
Lithium		16.2296		112.4804		112.6878		99.7079	99.7079	MG/KG	97		97		82 - 114	20P
Magnesium		5632.2256		5918.5716		6015.4428		199.4157	199.4157	MG/KG	144		192		74X	20P
Manganese		305.2860		357.6940		366.4014		49.8539	49.8539	MG/KG	105		123		74X	20P
Mercury		0.0133	B	0.1407		0.1643		0.1623	0.1651	MG/KG	78		91		65 - 135	20CV
Molybdenum	98	0.7573		15.3938		15.4148		10.0705	9.9708	MG/KG	145	N	147	N	75 - 125	20MS
Nickel	60	14.0533		28.8218		28.2971		10.0705	9.9708	MG/KG	147	N	143	N	75 - 125	20MS
Phosphorus		878.3323		980.7474		971.1236		99.7079	99.7079	MG/KG	103		93			20P
Potassium		1758.4713		2999.8046		3000.9053		997.0786	997.0786	MG/KG	124		125		75 - 125	20P
Selenium	78	0.2571	B	3.0232		2.9553		2.0141	1.9942	MG/KG	137	N	135	N	75 - 125	20MS
Silver	107	0.0372	B	14.0262		14.0349		10.0705	9.9708	MG/KG	139	N	140	N	75 - 125	20MS
Sodium		123.9537		1135.3813		1135.9038		997.0786	997.0786	MG/KG	101		101		75 - 125	20P
Strontium		21.9869		119.6634		121.0942		99.7079	99.7079	MG/KG	98		99		75 - 115	20P
Thallium	203	0.1719		0.7112		0.7340		0.4028	0.3988	MG/KG	134	N	141	N	75 - 125	20MS
Tin		3.0020	B	364.0164		366.1302		398.8314	398.8314	MG/KG	91		91		80 - 110	20P
Titanium		1242.7865		1769.9142		1788.7978		99.7079	99.7079	MG/KG	529		548		74X	20P
Vanadium	51	98.0985		119.5972		118.2136		10.0705	9.9708	MG/KG	213		202		74X	20MS
Zinc	66	72.7248		85.1360		85.7687		10.0705	9.9708	MG/KG	123		131		74X	20MS
Zirconium		12.5196		106.5239		106.2347		99.7079	99.7079	MG/KG	94		94		75 - 125	20P

METHODS: W P = ICP Atomic Emission Spectrometer MS = ICP Mass Spectrometry	CONCENTRATION QUALIFIERS: U = Below MDL, B = Below LOQ FLAGS: N = Matrix Spike OOS, * = Duplicate OOS
--	--

SAMPLE DELIVERY GROUP

DE256

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
27-Sep-2011	SL-025-SA5DS-SS-0.0-0.5	6421297	N	3050B	6010B	III
27-Sep-2011	SL-025-SA5DS-SS-0.0-0.5	6421297	N	3050B	6020	III
27-Sep-2011	SL-025-SA5DS-SS-0.0-0.5	6421297	N	3060A	7199	III
27-Sep-2011	SL-025-SA5DS-SS-0.0-0.5	6421297	N	3550B	8081A	III
27-Sep-2011	SL-025-SA5DS-SS-0.0-0.5	6421297	N	3550B	8082	III
27-Sep-2011	SL-025-SA5DS-SS-0.0-0.5	6421297	N	3550B	8151A	III
27-Sep-2011	SL-025-SA5DS-SS-0.0-0.5	6421297	N	3550B	8270C	III
27-Sep-2011	SL-025-SA5DS-SS-0.0-0.5	6421297	N	3550B	8270C SIM	III
27-Sep-2011	SL-025-SA5DS-SS-0.0-0.5	6421297	N	METHOD	300.0	III
27-Sep-2011	SL-025-SA5DS-SS-0.0-0.5	6421297	N	METHOD	314.0	III
27-Sep-2011	SL-025-SA5DS-SS-0.0-0.5	6421297	N	METHOD	7471A	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0	6421299	N	3050B	6010B	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0	6421299	N	3050B	6020	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0	6421299	N	3060A	7199	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0	6421299	N	3546	1625C	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0	6421299	N	3550B	8015B	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0	6421299	N	3550B	8015M	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0	6421299	N	3550B	8082	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0	6421299	N	3550B	8270C	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0	6421299	N	3550B	8270C SIM	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0	6421299	N	5035	8015M	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0	6421299	N	METHOD	300.0	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0	6421299	N	METHOD	314.0	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0	6421299	N	METHOD	7471A	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0	6421299	N	METHOD	8015B	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0	6421299	N	METHOD	8015M	III

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
27-Sep-2011	SL-103-SA7-SB-4.0-5.0	6421299	N	METHOD	8315A	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MS	6421300	MS	3050B	6010B	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MS	6421300	MS	3050B	6020	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MS	6421300	MS	3060A	7199	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MS	6421300	MS	3546	1625C	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MS	6421300	MS	3550B	8015B	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MS	6421300	MS	3550B	8015M	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MS	6421300	MS	3550B	8082	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MS	6421300	MS	3550B	8270C	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MS	6421300	MS	3550B	8270C SIM	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MS	6421300	MS	5035	8015M	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MS	6421300	MS	METHOD	300.0	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MS	6421300	MS	METHOD	314.0	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MS	6421300	MS	METHOD	7471A	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MS	6421300	MS	METHOD	8015B	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MS	6421300	MS	METHOD	8015M	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MS	6421300	MS	METHOD	8315A	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MSD	6421301	MSD	3050B	6010B	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MSD	6421301	MSD	3050B	6020	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MSD	6421301	MSD	3546	1625C	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MSD	6421301	MSD	3550B	8015B	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MSD	6421301	MSD	3550B	8015M	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MSD	6421301	MSD	3550B	8082	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MSD	6421301	MSD	3550B	8270C	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MSD	6421301	MSD	3550B	8270C SIM	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MSD	6421301	MSD	5035	8015M	III

III = EPA Level 3 Data Review
IV = EPA Level 4 Data Validation

N = Normal Sample
FD = Field Duplicate

TB = Trip Blank
FB = Field Blank

MS = Matrix Spike
MSD = Matrix Spike Duplicate

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MSD	6421301	MSD	METHOD	7471A	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MSD	6421301	MSD	METHOD	8015B	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MSD	6421301	MSD	METHOD	8015M	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0MSD	6421301	MSD	METHOD	8315A	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0DUP	6421302	DUP	3050B	6010B	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0DUP	6421302	DUP	3050B	6020	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0DUP	6421302	DUP	3060A	7199	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0DUP	6421302	DUP	METHOD	300.0	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0DUP	6421302	DUP	METHOD	314.0	III
27-Sep-2011	SL-103-SA7-SB-4.0-5.0DUP	6421302	DUP	METHOD	7471A	III
27-Sep-2011	SL-024-SA5DS-SS-0.0-0.5	6421296	N	3050B	6010B	III
27-Sep-2011	SL-024-SA5DS-SS-0.0-0.5	6421296	N	3050B	6020	III
27-Sep-2011	SL-024-SA5DS-SS-0.0-0.5	6421296	N	3060A	7199	III
27-Sep-2011	SL-024-SA5DS-SS-0.0-0.5	6421296	N	3550B	8081A	III
27-Sep-2011	SL-024-SA5DS-SS-0.0-0.5	6421296	N	3550B	8082	III
27-Sep-2011	SL-024-SA5DS-SS-0.0-0.5	6421296	N	3550B	8151A	III
27-Sep-2011	SL-024-SA5DS-SS-0.0-0.5	6421296	N	3550B	8270C	III
27-Sep-2011	SL-024-SA5DS-SS-0.0-0.5	6421296	N	3550B	8270C SIM	III
27-Sep-2011	SL-024-SA5DS-SS-0.0-0.5	6421296	N	METHOD	300.0	III
27-Sep-2011	SL-024-SA5DS-SS-0.0-0.5	6421296	N	METHOD	314.0	III
27-Sep-2011	SL-024-SA5DS-SS-0.0-0.5	6421296	N	METHOD	7471A	III
27-Sep-2011	DUP-09-SA7-QC-092711	6421311	FD	3050B	6010B	III
27-Sep-2011	DUP-09-SA7-QC-092711	6421311	FD	3050B	6020	III
27-Sep-2011	DUP-09-SA7-QC-092711	6421311	FD	3060A	7199	III
27-Sep-2011	DUP-09-SA7-QC-092711	6421311	FD	3546	1625C	III
27-Sep-2011	DUP-09-SA7-QC-092711	6421311	FD	3550B	8015B	III

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
27-Sep-2011	DUP-09-SA7-QC-092711	6421311	FD	3550B	8015M	III
27-Sep-2011	DUP-09-SA7-QC-092711	6421311	FD	3550B	8082	III
27-Sep-2011	DUP-09-SA7-QC-092711	6421311	FD	3550B	8270C	III
27-Sep-2011	DUP-09-SA7-QC-092711	6421311	FD	3550B	8270C SIM	III
27-Sep-2011	DUP-09-SA7-QC-092711	6421311	FD	5035	8015M	III
27-Sep-2011	DUP-09-SA7-QC-092711	6421311	FD	METHOD	300.0	III
27-Sep-2011	DUP-09-SA7-QC-092711	6421311	FD	METHOD	314.0	III
27-Sep-2011	DUP-09-SA7-QC-092711	6421311	FD	METHOD	7471A	III
27-Sep-2011	DUP-09-SA7-QC-092711	6421311	FD	METHOD	8015B	III
27-Sep-2011	DUP-09-SA7-QC-092711	6421311	FD	METHOD	8015M	III
27-Sep-2011	DUP-09-SA7-QC-092711	6421311	FD	METHOD	8315A	III
27-Sep-2011	SL-103-SA7-SB-9.0-10.0	6421305	N	3050B	6010B	III
27-Sep-2011	SL-103-SA7-SB-9.0-10.0	6421305	N	3050B	6020	III
27-Sep-2011	SL-103-SA7-SB-9.0-10.0	6421305	N	3060A	7199	III
27-Sep-2011	SL-103-SA7-SB-9.0-10.0	6421305	N	3546	1625C	III
27-Sep-2011	SL-103-SA7-SB-9.0-10.0	6421305	N	3550B	8015B	III
27-Sep-2011	SL-103-SA7-SB-9.0-10.0	6421305	N	3550B	8015M	III
27-Sep-2011	SL-103-SA7-SB-9.0-10.0	6421305	N	3550B	8082	III
27-Sep-2011	SL-103-SA7-SB-9.0-10.0	6421305	N	3550B	8270C	III
27-Sep-2011	SL-103-SA7-SB-9.0-10.0	6421305	N	3550B	8270C SIM	III
27-Sep-2011	SL-103-SA7-SB-9.0-10.0	6421305	N	5035	8015M	III
27-Sep-2011	SL-103-SA7-SB-9.0-10.0	6421305	N	METHOD	300.0	III
27-Sep-2011	SL-103-SA7-SB-9.0-10.0	6421305	N	METHOD	314.0	III
27-Sep-2011	SL-103-SA7-SB-9.0-10.0	6421305	N	METHOD	7471A	III
27-Sep-2011	SL-103-SA7-SB-9.0-10.0	6421305	N	METHOD	8015B	III
27-Sep-2011	SL-103-SA7-SB-9.0-10.0	6421305	N	METHOD	8015M	III

III = EPA Level 3 Data Review
IV = EPA Level 4 Data Validation

N = Normal Sample
FD = Field Duplicate

TB = Trip Blank
FB = Field Blank

MS = Matrix Spike
MSD = Matrix Spike Duplicate

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
27-Sep-2011	SL-103-SA7-SB-9.0-10.0	6421305	N	METHOD	8315A	III
27-Sep-2011	SL-023-SA5DS-SS-0.0-0.5	6421295	N	3050B	6010B	III
27-Sep-2011	SL-023-SA5DS-SS-0.0-0.5	6421295	N	3050B	6020	III
27-Sep-2011	SL-023-SA5DS-SS-0.0-0.5	6421295	N	3060A	7199	III
27-Sep-2011	SL-023-SA5DS-SS-0.0-0.5	6421295	N	3550B	8081A	III
27-Sep-2011	SL-023-SA5DS-SS-0.0-0.5	6421295	N	3550B	8082	III
27-Sep-2011	SL-023-SA5DS-SS-0.0-0.5	6421295	N	3550B	8151A	III
27-Sep-2011	SL-023-SA5DS-SS-0.0-0.5	6421295	N	3550B	8270C	III
27-Sep-2011	SL-023-SA5DS-SS-0.0-0.5	6421295	N	3550B	8270C SIM	III
27-Sep-2011	SL-023-SA5DS-SS-0.0-0.5	6421295	N	METHOD	300.0	III
27-Sep-2011	SL-023-SA5DS-SS-0.0-0.5	6421295	N	METHOD	314.0	III
27-Sep-2011	SL-023-SA5DS-SS-0.0-0.5	6421295	N	METHOD	7471A	III
27-Sep-2011	SL-172-SA7-SB-4.0-5.0	6421309	N	3050B	6010B	III
27-Sep-2011	SL-172-SA7-SB-4.0-5.0	6421309	N	3050B	6020	III
27-Sep-2011	SL-172-SA7-SB-4.0-5.0	6421309	N	3060A	7199	III
27-Sep-2011	SL-172-SA7-SB-4.0-5.0	6421309	N	3546	1625C	III
27-Sep-2011	SL-172-SA7-SB-4.0-5.0	6421309	N	3550B	8015B	III
27-Sep-2011	SL-172-SA7-SB-4.0-5.0	6421309	N	3550B	8015M	III
27-Sep-2011	SL-172-SA7-SB-4.0-5.0	6421309	N	3550B	8082	III
27-Sep-2011	SL-172-SA7-SB-4.0-5.0	6421309	N	3550B	8270C	III
27-Sep-2011	SL-172-SA7-SB-4.0-5.0	6421309	N	3550B	8270C SIM	III
27-Sep-2011	SL-172-SA7-SB-4.0-5.0	6421309	N	5035	8015M	III
27-Sep-2011	SL-172-SA7-SB-4.0-5.0	6421309	N	METHOD	300.0	III
27-Sep-2011	SL-172-SA7-SB-4.0-5.0	6421309	N	METHOD	314.0	III
27-Sep-2011	SL-172-SA7-SB-4.0-5.0	6421309	N	METHOD	7471A	III
27-Sep-2011	SL-172-SA7-SB-4.0-5.0	6421309	N	METHOD	8015B	III

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
27-Sep-2011	SL-172-SA7-SB-4.0-5.0	6421309	N	METHOD	8015M	III
27-Sep-2011	SL-172-SA7-SB-4.0-5.0	6421309	N	METHOD	8315A	III
27-Sep-2011	SL-019-SA5DS-SS-0.0-0.5	6421291	N	3050B	6010B	III
27-Sep-2011	SL-019-SA5DS-SS-0.0-0.5	6421291	N	3050B	6020	III
27-Sep-2011	SL-019-SA5DS-SS-0.0-0.5	6421291	N	3060A	7199	III
27-Sep-2011	SL-019-SA5DS-SS-0.0-0.5	6421291	N	3550B	8081A	III
27-Sep-2011	SL-019-SA5DS-SS-0.0-0.5	6421291	N	3550B	8082	III
27-Sep-2011	SL-019-SA5DS-SS-0.0-0.5	6421291	N	3550B	8151A	III
27-Sep-2011	SL-019-SA5DS-SS-0.0-0.5	6421291	N	3550B	8270C	III
27-Sep-2011	SL-019-SA5DS-SS-0.0-0.5	6421291	N	3550B	8270C SIM	III
27-Sep-2011	SL-019-SA5DS-SS-0.0-0.5	6421291	N	METHOD	300.0	III
27-Sep-2011	SL-019-SA5DS-SS-0.0-0.5	6421291	N	METHOD	314.0	III
27-Sep-2011	SL-019-SA5DS-SS-0.0-0.5	6421291	N	METHOD	7471A	III
27-Sep-2011	SL-172-SA7-SB-9.0-10.0	6421310	N	3050B	6010B	III
27-Sep-2011	SL-172-SA7-SB-9.0-10.0	6421310	N	3050B	6020	III
27-Sep-2011	SL-172-SA7-SB-9.0-10.0	6421310	N	3060A	7199	III
27-Sep-2011	SL-172-SA7-SB-9.0-10.0	6421310	N	3546	1625C	III
27-Sep-2011	SL-172-SA7-SB-9.0-10.0	6421310	N	3550B	8015B	III
27-Sep-2011	SL-172-SA7-SB-9.0-10.0	6421310	N	3550B	8015M	III
27-Sep-2011	SL-172-SA7-SB-9.0-10.0	6421310	N	3550B	8082	III
27-Sep-2011	SL-172-SA7-SB-9.0-10.0	6421310	N	3550B	8270C	III
27-Sep-2011	SL-172-SA7-SB-9.0-10.0	6421310	N	3550B	8270C SIM	III
27-Sep-2011	SL-172-SA7-SB-9.0-10.0	6421310	N	5035	8015M	III
27-Sep-2011	SL-172-SA7-SB-9.0-10.0	6421310	N	METHOD	300.0	III
27-Sep-2011	SL-172-SA7-SB-9.0-10.0	6421310	N	METHOD	314.0	III
27-Sep-2011	SL-172-SA7-SB-9.0-10.0	6421310	N	METHOD	7471A	III

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
27-Sep-2011	SL-172-SA7-SB-9.0-10.0	6421310	N	METHOD	8015B	III
27-Sep-2011	SL-172-SA7-SB-9.0-10.0	6421310	N	METHOD	8015M	III
27-Sep-2011	SL-172-SA7-SB-9.0-10.0	6421310	N	METHOD	8315A	III
27-Sep-2011	SL-020-SA5DS-SS-0.0-0.5	6421292	N	3050B	6010B	III
27-Sep-2011	SL-020-SA5DS-SS-0.0-0.5	6421292	N	3050B	6020	III
27-Sep-2011	SL-020-SA5DS-SS-0.0-0.5	6421292	N	3060A	7199	III
27-Sep-2011	SL-020-SA5DS-SS-0.0-0.5	6421292	N	3550B	8081A	III
27-Sep-2011	SL-020-SA5DS-SS-0.0-0.5	6421292	N	3550B	8082	III
27-Sep-2011	SL-020-SA5DS-SS-0.0-0.5	6421292	N	3550B	8151A	III
27-Sep-2011	SL-020-SA5DS-SS-0.0-0.5	6421292	N	3550B	8270C	III
27-Sep-2011	SL-020-SA5DS-SS-0.0-0.5	6421292	N	3550B	8270C SIM	III
27-Sep-2011	SL-020-SA5DS-SS-0.0-0.5	6421292	N	METHOD	300.0	III
27-Sep-2011	SL-020-SA5DS-SS-0.0-0.5	6421292	N	METHOD	314.0	III
27-Sep-2011	SL-020-SA5DS-SS-0.0-0.5	6421292	N	METHOD	7471A	III
27-Sep-2011	SL-006-SA5DS-SS-0.0-0.5	6421290	N	3050B	6010B	III
27-Sep-2011	SL-006-SA5DS-SS-0.0-0.5	6421290	N	3050B	6020	III
27-Sep-2011	SL-006-SA5DS-SS-0.0-0.5	6421290	N	3060A	7199	III
27-Sep-2011	SL-006-SA5DS-SS-0.0-0.5	6421290	N	3550B	8081A	III
27-Sep-2011	SL-006-SA5DS-SS-0.0-0.5	6421290	N	3550B	8082	III
27-Sep-2011	SL-006-SA5DS-SS-0.0-0.5	6421290	N	3550B	8151A	III
27-Sep-2011	SL-006-SA5DS-SS-0.0-0.5	6421290	N	3550B	8270C	III
27-Sep-2011	SL-006-SA5DS-SS-0.0-0.5	6421290	N	3550B	8270C SIM	III
27-Sep-2011	SL-006-SA5DS-SS-0.0-0.5	6421290	N	METHOD	300.0	III
27-Sep-2011	SL-006-SA5DS-SS-0.0-0.5	6421290	N	METHOD	314.0	III
27-Sep-2011	SL-006-SA5DS-SS-0.0-0.5	6421290	N	METHOD	7471A	III
27-Sep-2011	SL-021-SA5DS-SS-0.0-0.5	6421293	N	3050B	6010B	III

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
27-Sep-2011	SL-021-SA5DS-SS-0.0-0.5	6421293	N	3050B	6020	III
27-Sep-2011	SL-021-SA5DS-SS-0.0-0.5	6421293	N	3060A	7199	III
27-Sep-2011	SL-021-SA5DS-SS-0.0-0.5	6421293	N	3550B	8081A	III
27-Sep-2011	SL-021-SA5DS-SS-0.0-0.5	6421293	N	3550B	8082	III
27-Sep-2011	SL-021-SA5DS-SS-0.0-0.5	6421293	N	3550B	8151A	III
27-Sep-2011	SL-021-SA5DS-SS-0.0-0.5	6421293	N	3550B	8270C	III
27-Sep-2011	SL-021-SA5DS-SS-0.0-0.5	6421293	N	3550B	8270C SIM	III
27-Sep-2011	SL-021-SA5DS-SS-0.0-0.5	6421293	N	METHOD	300.0	III
27-Sep-2011	SL-021-SA5DS-SS-0.0-0.5	6421293	N	METHOD	314.0	III
27-Sep-2011	SL-021-SA5DS-SS-0.0-0.5	6421293	N	METHOD	7471A	III
27-Sep-2011	SL-104-SA7-SB-4.0-5.0	6421306	N	3050B	6010B	III
27-Sep-2011	SL-104-SA7-SB-4.0-5.0	6421306	N	3050B	6020	III
27-Sep-2011	SL-104-SA7-SB-4.0-5.0	6421306	N	3060A	7199	III
27-Sep-2011	SL-104-SA7-SB-4.0-5.0	6421306	N	3546	1625C	III
27-Sep-2011	SL-104-SA7-SB-4.0-5.0	6421306	N	3550B	8015B	III
27-Sep-2011	SL-104-SA7-SB-4.0-5.0	6421306	N	3550B	8015M	III
27-Sep-2011	SL-104-SA7-SB-4.0-5.0	6421306	N	3550B	8082	III
27-Sep-2011	SL-104-SA7-SB-4.0-5.0	6421306	N	3550B	8270C	III
27-Sep-2011	SL-104-SA7-SB-4.0-5.0	6421306	N	3550B	8270C SIM	III
27-Sep-2011	SL-104-SA7-SB-4.0-5.0	6421306	N	METHOD	300.0	III
27-Sep-2011	SL-104-SA7-SB-4.0-5.0	6421306	N	METHOD	314.0	III
27-Sep-2011	SL-104-SA7-SB-4.0-5.0	6421306	N	METHOD	7471A	III
27-Sep-2011	SL-104-SA7-SB-4.0-5.0	6421306	N	METHOD	8015B	III
27-Sep-2011	SL-104-SA7-SB-4.0-5.0	6421306	N	METHOD	8015M	III
27-Sep-2011	SL-104-SA7-SB-4.0-5.0	6421306	N	METHOD	8315A	III
27-Sep-2011	SL-104-SA7-SB-9.0-10.0	6421307	N	3050B	6010B	III

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
27-Sep-2011	SL-104-SA7-SB-9.0-10.0	6421307	N	3050B	6020	III
27-Sep-2011	SL-104-SA7-SB-9.0-10.0	6421307	N	3060A	7199	III
27-Sep-2011	SL-104-SA7-SB-9.0-10.0	6421307	N	3546	1625C	III
27-Sep-2011	SL-104-SA7-SB-9.0-10.0	6421307	N	3550B	8015B	III
27-Sep-2011	SL-104-SA7-SB-9.0-10.0	6421307	N	3550B	8015M	III
27-Sep-2011	SL-104-SA7-SB-9.0-10.0	6421307	N	3550B	8082	III
27-Sep-2011	SL-104-SA7-SB-9.0-10.0	6421307	N	3550B	8270C	III
27-Sep-2011	SL-104-SA7-SB-9.0-10.0	6421307	N	3550B	8270C SIM	III
27-Sep-2011	SL-104-SA7-SB-9.0-10.0	6421307	N	METHOD	300.0	III
27-Sep-2011	SL-104-SA7-SB-9.0-10.0	6421307	N	METHOD	314.0	III
27-Sep-2011	SL-104-SA7-SB-9.0-10.0	6421307	N	METHOD	7471A	III
27-Sep-2011	SL-104-SA7-SB-9.0-10.0	6421307	N	METHOD	8015B	III
27-Sep-2011	SL-104-SA7-SB-9.0-10.0	6421307	N	METHOD	8015M	III
27-Sep-2011	SL-104-SA7-SB-9.0-10.0	6421307	N	METHOD	8315A	III
27-Sep-2011	EB-SA7-SB-092711	6421313	EB	3005A	6010B	III
27-Sep-2011	EB-SA7-SB-092711	6421313	EB	3020A	6020	III
27-Sep-2011	EB-SA7-SB-092711	6421313	EB	3510C	8015B	III
27-Sep-2011	EB-SA7-SB-092711	6421313	EB	3510C	8015M	III
27-Sep-2011	EB-SA7-SB-092711	6421313	EB	3510C	8082	III
27-Sep-2011	EB-SA7-SB-092711	6421313	EB	3510C	8270C	III
27-Sep-2011	EB-SA7-SB-092711	6421313	EB	3510C	8270C SIM	III
27-Sep-2011	EB-SA7-SB-092711	6421313	EB	3520C	1625C	III
27-Sep-2011	EB-SA7-SB-092711	6421313	EB	5030B	8015M	III
27-Sep-2011	EB-SA7-SB-092711	6421313	EB	5030B	8260B	III
27-Sep-2011	EB-SA7-SB-092711	6421313	EB	5030B	8260B SIM	III
27-Sep-2011	EB-SA7-SB-092711	6421313	EB	8330	8330A	III

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
27-Sep-2011	EB-SA7-SB-092711	6421313	EB	Gen Prep	300.0	III
27-Sep-2011	EB-SA7-SB-092711	6421313	EB	Gen Prep	314.0	III
27-Sep-2011	EB-SA7-SB-092711	6421313	EB	Gen Prep	7199	III
27-Sep-2011	EB-SA7-SB-092711	6421313	EB	Gen Prep	8015B	III
27-Sep-2011	EB-SA7-SB-092711	6421313	EB	Gen Prep	8015M	III
27-Sep-2011	EB-SA7-SB-092711	6421313	EB	METHOD	7470A	III
27-Sep-2011	EB-SA7-SB-092711	6421313	EB	METHOD	8315A	III
27-Sep-2011	EB-SA7-SB-092711	6421313	EB	METHOD	9012B	III
27-Sep-2011	SL-005-SA5DS-SS-0.0-0.5	6421289	N	3050B	6010B	III
27-Sep-2011	SL-005-SA5DS-SS-0.0-0.5	6421289	N	3050B	6020	III
27-Sep-2011	SL-005-SA5DS-SS-0.0-0.5	6421289	N	3060A	7199	III
27-Sep-2011	SL-005-SA5DS-SS-0.0-0.5	6421289	N	3550B	8081A	III
27-Sep-2011	SL-005-SA5DS-SS-0.0-0.5	6421289	N	3550B	8082	III
27-Sep-2011	SL-005-SA5DS-SS-0.0-0.5	6421289	N	3550B	8151A	III
27-Sep-2011	SL-005-SA5DS-SS-0.0-0.5	6421289	N	3550B	8270C	III
27-Sep-2011	SL-005-SA5DS-SS-0.0-0.5	6421289	N	3550B	8270C SIM	III
27-Sep-2011	SL-005-SA5DS-SS-0.0-0.5	6421289	N	METHOD	300.0	III
27-Sep-2011	SL-005-SA5DS-SS-0.0-0.5	6421289	N	METHOD	314.0	III
27-Sep-2011	SL-005-SA5DS-SS-0.0-0.5	6421289	N	METHOD	7471A	III
27-Sep-2011	SL-004-SA5DS-SS-0.0-0.5	6421288	N	3050B	6010B	III
27-Sep-2011	SL-004-SA5DS-SS-0.0-0.5	6421288	N	3050B	6020	III
27-Sep-2011	SL-004-SA5DS-SS-0.0-0.5	6421288	N	3060A	7199	III
27-Sep-2011	SL-004-SA5DS-SS-0.0-0.5	6421288	N	3550B	8081A	III
27-Sep-2011	SL-004-SA5DS-SS-0.0-0.5	6421288	N	3550B	8082	III
27-Sep-2011	SL-004-SA5DS-SS-0.0-0.5	6421288	N	3550B	8151A	III
27-Sep-2011	SL-004-SA5DS-SS-0.0-0.5	6421288	N	3550B	8270C	III

III = EPA Level 3 Data Review
IV = EPA Level 4 Data Validation

N = Normal Sample
FD = Field Duplicate

TB = Trip Blank
FB = Field Blank

MS = Matrix Spike
MSD = Matrix Spike Duplicate

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
27-Sep-2011	SL-004-SA5DS-SS-0.0-0.5	6421288	N	3550B	8270C SIM	III
27-Sep-2011	SL-004-SA5DS-SS-0.0-0.5	6421288	N	METHOD	300.0	III
27-Sep-2011	SL-004-SA5DS-SS-0.0-0.5	6421288	N	METHOD	314.0	III
27-Sep-2011	SL-004-SA5DS-SS-0.0-0.5	6421288	N	METHOD	7471A	III
27-Sep-2011	SL-004-SA5DS-SS-0.0-0.5DU	P421288D270805A	DUP	METHOD	314.0	III
27-Sep-2011	SL-004-SA5DS-SS-0.0-0.5DU	P421288D271643A	DUP	METHOD	300.0	III
27-Sep-2011	SL-004-SA5DS-SS-0.0-0.5MS	P421288R270828A	MS	METHOD	314.0	III
27-Sep-2011	SL-004-SA5DS-SS-0.0-0.5MS	P421288R271655A	MS	METHOD	300.0	III
27-Sep-2011	TB-092711	6421312	TB	5030B	8015M	III
27-Sep-2011	SL-022-SA5DS-SS-0.0-0.5	6421294	N	3050B	6010B	III
27-Sep-2011	SL-022-SA5DS-SS-0.0-0.5	6421294	N	3050B	6020	III
27-Sep-2011	SL-022-SA5DS-SS-0.0-0.5	6421294	N	3060A	7199	III
27-Sep-2011	SL-022-SA5DS-SS-0.0-0.5	6421294	N	3550B	8081A	III
27-Sep-2011	SL-022-SA5DS-SS-0.0-0.5	6421294	N	3550B	8082	III
27-Sep-2011	SL-022-SA5DS-SS-0.0-0.5	6421294	N	3550B	8151A	III
27-Sep-2011	SL-022-SA5DS-SS-0.0-0.5	6421294	N	3550B	8270C	III
27-Sep-2011	SL-022-SA5DS-SS-0.0-0.5	6421294	N	3550B	8270C SIM	III
27-Sep-2011	SL-022-SA5DS-SS-0.0-0.5	6421294	N	METHOD	300.0	III
27-Sep-2011	SL-022-SA5DS-SS-0.0-0.5	6421294	N	METHOD	314.0	III
27-Sep-2011	SL-022-SA5DS-SS-0.0-0.5	6421294	N	METHOD	7471A	III
27-Sep-2011	SL-105-SA7-SB-4.0-5.0	6421308	N	3050B	6010B	III
27-Sep-2011	SL-105-SA7-SB-4.0-5.0	6421308	N	3050B	6020	III
27-Sep-2011	SL-105-SA7-SB-4.0-5.0	6421308	N	3060A	7199	III
27-Sep-2011	SL-105-SA7-SB-4.0-5.0	6421308	N	3546	1625C	III
27-Sep-2011	SL-105-SA7-SB-4.0-5.0	6421308	N	3550B	8015B	III
27-Sep-2011	SL-105-SA7-SB-4.0-5.0	6421308	N	3550B	8015M	III

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
27-Sep-2011	SL-105-SA7-SB-4.0-5.0	6421308	N	3550B	8082	III
27-Sep-2011	SL-105-SA7-SB-4.0-5.0	6421308	N	3550B	8270C	III
27-Sep-2011	SL-105-SA7-SB-4.0-5.0	6421308	N	3550B	8270C SIM	III
27-Sep-2011	SL-105-SA7-SB-4.0-5.0	6421308	N	5035	8015M	III
27-Sep-2011	SL-105-SA7-SB-4.0-5.0	6421308	N	METHOD	300.0	III
27-Sep-2011	SL-105-SA7-SB-4.0-5.0	6421308	N	METHOD	314.0	III
27-Sep-2011	SL-105-SA7-SB-4.0-5.0	6421308	N	METHOD	7471A	III
27-Sep-2011	SL-105-SA7-SB-4.0-5.0	6421308	N	METHOD	8015B	III
27-Sep-2011	SL-105-SA7-SB-4.0-5.0	6421308	N	METHOD	8015M	III
27-Sep-2011	SL-105-SA7-SB-4.0-5.0	6421308	N	METHOD	8315A	III
27-Sep-2011	SL-038-SA5DS-SS-0.0-0.5	6421298	N	3050B	6010B	III
27-Sep-2011	SL-038-SA5DS-SS-0.0-0.5	6421298	N	3050B	6020	III
27-Sep-2011	SL-038-SA5DS-SS-0.0-0.5	6421298	N	3060A	7199	III
27-Sep-2011	SL-038-SA5DS-SS-0.0-0.5	6421298	N	3550B	8081A	III
27-Sep-2011	SL-038-SA5DS-SS-0.0-0.5	6421298	N	3550B	8082	III
27-Sep-2011	SL-038-SA5DS-SS-0.0-0.5	6421298	N	3550B	8151A	III
27-Sep-2011	SL-038-SA5DS-SS-0.0-0.5	6421298	N	3550B	8270C	III
27-Sep-2011	SL-038-SA5DS-SS-0.0-0.5	6421298	N	3550B	8270C SIM	III
27-Sep-2011	SL-038-SA5DS-SS-0.0-0.5	6421298	N	METHOD	300.0	III
27-Sep-2011	SL-038-SA5DS-SS-0.0-0.5	6421298	N	METHOD	314.0	III
27-Sep-2011	SL-038-SA5DS-SS-0.0-0.5	6421298	N	METHOD	7471A	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 300.0

Matrix: SO

Sample ID: DUP-09-SA7-QC-092711

Collected: 9/27/2011 8:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	2.4		0.84	MDL	1.1	PQL	mg/Kg	J	Q
Nitrate-NO3	0.84	U	0.84	MDL	1.6	PQL	mg/Kg	UJ	FD

Sample ID: SL-004-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 2:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	2.0		0.82	MDL	1.0	PQL	mg/Kg	J	Q

Sample ID: SL-005-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 1:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	1.3		0.82	MDL	1.0	PQL	mg/Kg	J	Q

Sample ID: SL-006-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	1.5		0.82	MDL	1.0	PQL	mg/Kg	J	Q

Sample ID: SL-019-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 10:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	1.3		0.81	MDL	1.0	PQL	mg/Kg	J	Q

Sample ID: SL-020-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	1.8		0.81	MDL	1.0	PQL	mg/Kg	J	Q

Sample ID: SL-021-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	1.5		0.82	MDL	1.0	PQL	mg/Kg	J	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:02 PM

ADR version 1.4.0.111

Page 1 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 300.0

Matrix: SO

Sample ID: SL-022-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 2:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	0.83	U	0.83	MDL	1.0	PQL	mg/Kg	UJ	Q

Sample ID: SL-023-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 9:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	1.7		0.83	MDL	1.0	PQL	mg/Kg	J	Q

Sample ID: SL-024-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 8:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	0.82	U	0.82	MDL	1.0	PQL	mg/Kg	UJ	Q

Sample ID: SL-025-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 7:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	1.4		0.81	MDL	1.0	PQL	mg/Kg	J	Q

Sample ID: SL-038-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 3:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	2.1		0.84	MDL	1.0	PQL	mg/Kg	J	Q

Sample ID: SL-103-SA7-SB-4.0-5.0

Collected: 9/27/2011 8:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	3.7		0.84	MDL	1.1	PQL	mg/Kg	J	Q
Nitrate-NO3	1.7		0.84	MDL	1.6	PQL	mg/Kg	J	FD

Sample ID: SL-103-SA7-SB-9.0-10.0

Collected: 9/27/2011 8:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	3.0		0.88	MDL	1.1	PQL	mg/Kg	J	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:02 PM

ADR version 1.4.0.111

Page 2 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 300.0

Matrix: SO

Sample ID: SL-104-SA7-SB-4.0-5.0

Collected: 9/27/2011 12:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	2.5		0.84	MDL	1.0	PQL	mg/Kg	J	Q

Sample ID: SL-104-SA7-SB-9.0-10.0

Collected: 9/27/2011 12:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	3.3		0.86	MDL	1.1	PQL	mg/Kg	J	Q

Sample ID: SL-105-SA7-SB-4.0-5.0

Collected: 9/27/2011 2:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	2.9		0.81	MDL	1.0	PQL	mg/Kg	J	Q
Nitrate-NO3	0.96	J	0.81	MDL	1.5	PQL	mg/Kg	J	Z

Sample ID: SL-172-SA7-SB-4.0-5.0

Collected: 9/27/2011 10:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	2.7		0.88	MDL	1.1	PQL	mg/Kg	J	Q

Sample ID: SL-172-SA7-SB-9.0-10.0

Collected: 9/27/2011 10:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	3.5		0.87	MDL	1.1	PQL	mg/Kg	J	Q

Method Category: METALS

Method: 6010B

Matrix: AQ

Sample ID: EB-SA7-SB-092711

Collected: 9/27/2011 1:00:00

Analysis Type: REA2

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BORON	0.0039	J	0.0022	MDL	0.0500	PQL	mg/L	J	Z
STRONTIUM	0.00023	J	0.00022	MDL	0.0050	PQL	mg/L	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:02 PM

ADR version 1.4.0.111

Page 3 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6010B

Matrix: SO

Sample ID: DUP-09-SA7-QC-092711

Collected: 9/27/2011 8:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	4210		2.48	MDL	19.8	PQL	mg/Kg	J	E
SODIUM	81.8	J	5.90	MDL	99.1	PQL	mg/Kg	J	Z
STRONTIUM	17.9		0.0248	MDL	0.496	PQL	mg/Kg	J	E
TIN	0.615	J	0.317	MDL	9.91	PQL	mg/Kg	U	B
Zirconium	1.13	J	0.456	MDL	4.96	PQL	mg/Kg	J	Z

Sample ID: SL-004-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 2:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	3540		2.52	MDL	20.1	PQL	mg/Kg	J	E
SODIUM	93.6	J	5.99	MDL	101	PQL	mg/Kg	J	Z
STRONTIUM	20.1		0.0252	MDL	0.504	PQL	mg/Kg	J	E
TIN	1.04	J	0.322	MDL	10.1	PQL	mg/Kg	U	B

Sample ID: SL-005-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 1:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	3540		2.51	MDL	20.1	PQL	mg/Kg	J	E
SODIUM	91.1	J	5.98	MDL	101	PQL	mg/Kg	J	Z
STRONTIUM	20.9		0.0251	MDL	0.503	PQL	mg/Kg	J	E
TIN	1.06	J	0.322	MDL	10.1	PQL	mg/Kg	U	B
Zirconium	3.56	J	0.462	MDL	5.03	PQL	mg/Kg	J	Z

Sample ID: SL-006-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	3840		2.42	MDL	19.4	PQL	mg/Kg	J	E
SODIUM	85.9	J	5.77	MDL	97.0	PQL	mg/Kg	J	Z
STRONTIUM	24.4		0.0242	MDL	0.485	PQL	mg/Kg	J	E
TIN	0.816	J	0.310	MDL	9.70	PQL	mg/Kg	U	B

Sample ID: SL-019-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 10:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	3250		2.49	MDL	19.9	PQL	mg/Kg	J	E

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:02 PM

ADR version 1.4.0.111

Page 4 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6010B

Matrix: SO

Sample ID: SL-019-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 10:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	86.7	J	5.93	MDL	99.7	PQL	mg/Kg	J	Z
STRONTIUM	20.2		0.0249	MDL	0.499	PQL	mg/Kg	J	E
TIN	0.959	J	0.319	MDL	9.97	PQL	mg/Kg	U	B

Sample ID: SL-020-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	3440		2.49	MDL	19.9	PQL	mg/Kg	J	E
SODIUM	88.1	J	5.92	MDL	99.4	PQL	mg/Kg	J	Z
STRONTIUM	21.4		0.0249	MDL	0.497	PQL	mg/Kg	J	E
TIN	0.969	J	0.318	MDL	9.94	PQL	mg/Kg	U	B

Sample ID: SL-021-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	3510		2.47	MDL	19.7	PQL	mg/Kg	J	E
SODIUM	91.3	J	5.87	MDL	98.7	PQL	mg/Kg	J	Z
STRONTIUM	23.6		0.0247	MDL	0.493	PQL	mg/Kg	J	E
TIN	1.08	J	0.316	MDL	9.87	PQL	mg/Kg	U	B
Zirconium	4.06	J	0.454	MDL	4.93	PQL	mg/Kg	J	Z

Sample ID: SL-022-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 2:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	3560		2.52	MDL	20.2	PQL	mg/Kg	J	E
SODIUM	83.9	J	6.00	MDL	101	PQL	mg/Kg	J	Z
STRONTIUM	23.1		0.0252	MDL	0.504	PQL	mg/Kg	J	E
TIN	1.03	J	0.323	MDL	10.1	PQL	mg/Kg	U	B

Sample ID: SL-023-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 9:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	3610		2.52	MDL	20.2	PQL	mg/Kg	J	E
SODIUM	98.7	J	6.01	MDL	101	PQL	mg/Kg	J	Z
STRONTIUM	21.9		0.0252	MDL	0.505	PQL	mg/Kg	J	E

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:02 PM

ADR version 1.4.0.111

Page 5 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6010B

Matrix: SO

Sample ID: SL-023-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 9:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	1.04	J	0.323	MDL	10.1	PQL	mg/Kg	U	B

Sample ID: SL-024-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 8:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	4600		2.52	MDL	20.1	PQL	mg/Kg	J	E
STRONTIUM	20.5		0.0252	MDL	0.503	PQL	mg/Kg	J	E
TIN	0.857	J	0.322	MDL	10.1	PQL	mg/Kg	U	B

Sample ID: SL-025-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 7:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	4700		2.53	MDL	20.2	PQL	mg/Kg	J	E
SODIUM	98.2	J	6.01	MDL	101	PQL	mg/Kg	J	Z
STRONTIUM	21.3		0.0253	MDL	0.505	PQL	mg/Kg	J	E
TIN	1.01	J	0.323	MDL	10.1	PQL	mg/Kg	U	B

Sample ID: SL-038-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 3:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	14300		2.47	MDL	19.8	PQL	mg/Kg	J	E
SODIUM	85.8	J	5.88	MDL	98.8	PQL	mg/Kg	J	Z
STRONTIUM	41.1		0.0247	MDL	0.494	PQL	mg/Kg	J	E
TIN	0.592	J	0.316	MDL	9.88	PQL	mg/Kg	U	B
Zirconium	4.84	J	0.455	MDL	4.94	PQL	mg/Kg	J	Z

Sample ID: SL-103-SA7-SB-4.0-5.0

Collected: 9/27/2011 8:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	5170		2.57	MDL	20.6	PQL	mg/Kg	J	E
STRONTIUM	26.2		0.0257	MDL	0.514	PQL	mg/Kg	J	E
TIN	0.840	J	0.329	MDL	10.3	PQL	mg/Kg	U	B
Zirconium	1.38	J	0.473	MDL	5.14	PQL	mg/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:02 PM

ADR version 1.4.0.111

Page 6 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6010B

Matrix: SO

Sample ID: SL-103-SA7-SB-9.0-10.0

Collected: 9/27/2011 8:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	3320		2.65	MDL	21.2	PQL	mg/Kg	J	E
STRONTIUM	14.7		0.0265	MDL	0.529	PQL	mg/Kg	J	E
TIN	0.721	J	0.339	MDL	10.6	PQL	mg/Kg	U	B
Zirconium	0.905	J	0.487	MDL	5.29	PQL	mg/Kg	J	Z

Sample ID: SL-104-SA7-SB-4.0-5.0

Collected: 9/27/2011 12:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	3870		2.54	MDL	20.3	PQL	mg/Kg	J	E
SODIUM	82.2	J	6.04	MDL	101	PQL	mg/Kg	J	Z
STRONTIUM	17.4		0.0254	MDL	0.507	PQL	mg/Kg	J	E
TIN	0.751	J	0.325	MDL	10.1	PQL	mg/Kg	U	B
Zirconium	1.40	J	0.467	MDL	5.07	PQL	mg/Kg	J	Z

Sample ID: SL-104-SA7-SB-9.0-10.0

Collected: 9/27/2011 12:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	4070		2.65	MDL	21.2	PQL	mg/Kg	J	E
STRONTIUM	18.2		0.0265	MDL	0.531	PQL	mg/Kg	J	E
TIN	0.916	J	0.340	MDL	10.6	PQL	mg/Kg	U	B
Zirconium	1.06	J	0.488	MDL	5.31	PQL	mg/Kg	J	Z

Sample ID: SL-105-SA7-SB-4.0-5.0

Collected: 9/27/2011 2:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	3260		2.56	MDL	20.5	PQL	mg/Kg	J	E
SODIUM	71.3	J	6.09	MDL	102	PQL	mg/Kg	J	Z
STRONTIUM	14.1		0.0256	MDL	0.511	PQL	mg/Kg	J	E
TIN	1.02	J	0.327	MDL	10.2	PQL	mg/Kg	U	B
Zirconium	0.965	J	0.471	MDL	5.11	PQL	mg/Kg	J	Z

Sample ID: SL-172-SA7-SB-4.0-5.0

Collected: 9/27/2011 10:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	7950		2.61	MDL	20.9	PQL	mg/Kg	J	E

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 7 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	METALS
Method:	6010B
Matrix:	SO

Sample ID: SL-172-SA7-SB-4.0-5.0			Collected: 9/27/2011 10:35:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
STRONTIUM	43.5		0.0261	MDL	0.521	PQL	mg/Kg	J	E
TIN	0.895	J	0.334	MDL	10.4	PQL	mg/Kg	U	B
Zirconium	1.55	J	0.480	MDL	5.21	PQL	mg/Kg	J	Z

Sample ID: SL-172-SA7-SB-9.0-10.0			Collected: 9/27/2011 10:45:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	3920		2.73	MDL	21.8	PQL	mg/Kg	J	E
STRONTIUM	17.6		0.0273	MDL	0.545	PQL	mg/Kg	J	E
TIN	0.941	J	0.349	MDL	10.9	PQL	mg/Kg	U	B
Zirconium	1.23	J	0.502	MDL	5.45	PQL	mg/Kg	J	Z

Method Category:	METALS
Method:	6020
Matrix:	AQ

Sample ID: EB-SA7-SB-092711			Collected: 9/27/2011 1:00:00		Analysis Type: REA4			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.00013	J	0.00008 0	MDL	0.0010	PQL	mg/L	U	B

Method Category:	METALS
Method:	6020
Matrix:	SO

Sample ID: DUP-09-SA7-QC-092711			Collected: 9/27/2011 8:45:00		Analysis Type: REA			Dilution: 2	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.139	J	0.0580	MDL	0.400	PQL	mg/Kg	J	Z

Sample ID: DUP-09-SA7-QC-092711			Collected: 9/27/2011 8:45:00		Analysis Type: RES			Dilution: 2	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0740	U	0.0740	MDL	0.200	PQL	mg/Kg	UJ	Q, FD
CADMIUM	0.0950	J	0.0440	MDL	0.100	PQL	mg/Kg	J	Z
SILVER	0.0142	U	0.0142	MDL	0.100	PQL	mg/Kg	UJ	FD

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 8 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: SL-004-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 2:15:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.350	J	0.0584	MDL	0.403	PQL	mg/Kg	J	Z

Sample ID: SL-004-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 2:15:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.105	J	0.0745	MDL	0.201	PQL	mg/Kg	J	Z, Q
SILVER	0.0252	J	0.0143	MDL	0.101	PQL	mg/Kg	J	Z

Sample ID: SL-005-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 1:50:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.244	J	0.0561	MDL	0.387	PQL	mg/Kg	J	Z

Sample ID: SL-005-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 1:50:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.112	J	0.0715	MDL	0.193	PQL	mg/Kg	J	Z, Q
SILVER	0.0236	J	0.0137	MDL	0.0967	PQL	mg/Kg	J	Z

Sample ID: SL-006-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:30:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.178	J	0.0585	MDL	0.403	PQL	mg/Kg	J	Z

Sample ID: SL-006-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:30:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.134	J	0.0746	MDL	0.202	PQL	mg/Kg	J	Z, Q
SILVER	0.0282	J	0.0143	MDL	0.101	PQL	mg/Kg	J	Z

Sample ID: SL-019-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 10:45:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.190	J	0.0584	MDL	0.403	PQL	mg/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 9 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: SL-019-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 10:45:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0922	J	0.0745	MDL	0.201	PQL	mg/Kg	J	Z, Q
SILVER	0.0210	J	0.0143	MDL	0.101	PQL	mg/Kg	J	Z

Sample ID: SL-020-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:10:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.190	J	0.0588	MDL	0.406	PQL	mg/Kg	J	Z

Sample ID: SL-020-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:10:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.107	J	0.0751	MDL	0.203	PQL	mg/Kg	J	Z, Q
SILVER	0.0708	J	0.0144	MDL	0.101	PQL	mg/Kg	J	Z

Sample ID: SL-021-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:50:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.170	J	0.0572	MDL	0.395	PQL	mg/Kg	J	Z

Sample ID: SL-021-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:50:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.100	J	0.0730	MDL	0.197	PQL	mg/Kg	J	Z, Q
SILVER	0.0207	J	0.0140	MDL	0.0987	PQL	mg/Kg	J	Z

Sample ID: SL-022-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 2:40:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.217	J	0.0585	MDL	0.403	PQL	mg/Kg	J	Z

Sample ID: SL-022-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 2:40:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.108	J	0.0746	MDL	0.202	PQL	mg/Kg	J	Z, Q
SILVER	0.0204	J	0.0143	MDL	0.101	PQL	mg/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 10 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: SL-023-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 9:15:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.259	J	0.0585	MDL	0.404	PQL	mg/Kg	J	Z

Sample ID: SL-023-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 9:15:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.111	J	0.0747	MDL	0.202	PQL	mg/Kg	J	Z, Q
SILVER	0.0152	J	0.0143	MDL	0.101	PQL	mg/Kg	J	Z

Sample ID: SL-024-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 8:45:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.170	J	0.0578	MDL	0.399	PQL	mg/Kg	J	Z

Sample ID: SL-024-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 8:45:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.119	J	0.0737	MDL	0.199	PQL	mg/Kg	J	Z, Q
SILVER	0.0169	J	0.0141	MDL	0.0996	PQL	mg/Kg	J	Z

Sample ID: SL-025-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 7:30:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.188	J	0.0564	MDL	0.389	PQL	mg/Kg	J	Z

Sample ID: SL-025-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 7:30:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.133	J	0.0719	MDL	0.194	PQL	mg/Kg	J	Z, Q
SILVER	0.0162	J	0.0138	MDL	0.0972	PQL	mg/Kg	J	Z

Sample ID: SL-038-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 3:00:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.292	J	0.0584	MDL	0.403	PQL	mg/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 11 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: SL-038-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 3:00:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.122	J	0.0746	MDL	0.202	PQL	mg/Kg	J	Z, Q
SILVER	0.0234	J	0.0143	MDL	0.101	PQL	mg/Kg	J	Z

Sample ID: SL-103-SA7-SB-4.0-5.0

Collected: 9/27/2011 8:40:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.160	J	0.0608	MDL	0.419	PQL	mg/Kg	J	Z

Sample ID: SL-103-SA7-SB-4.0-5.0

Collected: 9/27/2011 8:40:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0944	J	0.0776	MDL	0.210	PQL	mg/Kg	J	Z, Q, FD
CADMIUM	0.0906	J	0.0461	MDL	0.105	PQL	mg/Kg	J	Z
SILVER	0.0234	J	0.0149	MDL	0.105	PQL	mg/Kg	J	Z, FD

Sample ID: SL-103-SA7-SB-9.0-10.0

Collected: 9/27/2011 8:55:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.113	J	0.0632	MDL	0.436	PQL	mg/Kg	J	Z

Sample ID: SL-103-SA7-SB-9.0-10.0

Collected: 9/27/2011 8:55:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0807	U	0.0807	MDL	0.218	PQL	mg/Kg	UJ	Q
CADMIUM	0.0962	J	0.0480	MDL	0.109	PQL	mg/Kg	J	Z
SILVER	0.0182	J	0.0155	MDL	0.109	PQL	mg/Kg	J	Z

Sample ID: SL-104-SA7-SB-4.0-5.0

Collected: 9/27/2011 12:35:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.135	J	0.0588	MDL	0.406	PQL	mg/Kg	J	Z

Sample ID: SL-104-SA7-SB-4.0-5.0

Collected: 9/27/2011 12:35:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0751	U	0.0751	MDL	0.203	PQL	mg/Kg	UJ	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 12 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: SL-104-SA7-SB-4.0-5.0

Collected: 9/27/2011 12:35:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0978	J	0.0446	MDL	0.101	PQL	mg/Kg	J	Z
SILVER	0.0200	J	0.0144	MDL	0.101	PQL	mg/Kg	J	Z

Sample ID: SL-104-SA7-SB-9.0-10.0

Collected: 9/27/2011 12:45:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.101	J	0.0610	MDL	0.420	PQL	mg/Kg	J	Z

Sample ID: SL-104-SA7-SB-9.0-10.0

Collected: 9/27/2011 12:45:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0778	U	0.0778	MDL	0.210	PQL	mg/Kg	UJ	Q
CADMIUM	0.102	J	0.0462	MDL	0.105	PQL	mg/Kg	J	Z
SILVER	0.0221	J	0.0149	MDL	0.105	PQL	mg/Kg	J	Z

Sample ID: SL-105-SA7-SB-4.0-5.0

Collected: 9/27/2011 2:45:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.142	J	0.0599	MDL	0.413	PQL	mg/Kg	J	Z

Sample ID: SL-105-SA7-SB-4.0-5.0

Collected: 9/27/2011 2:45:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0764	U	0.0764	MDL	0.207	PQL	mg/Kg	UJ	Q
CADMIUM	0.0921	J	0.0455	MDL	0.103	PQL	mg/Kg	J	Z
SILVER	0.0154	J	0.0147	MDL	0.103	PQL	mg/Kg	J	Z

Sample ID: SL-172-SA7-SB-4.0-5.0

Collected: 9/27/2011 10:35:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.160	J	0.0623	MDL	0.430	PQL	mg/Kg	J	Z

Sample ID: SL-172-SA7-SB-4.0-5.0

Collected: 9/27/2011 10:35:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.377		0.0795	MDL	0.215	PQL	mg/Kg	J	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 13 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: SL-172-SA7-SB-4.0-5.0

Collected: 9/27/2011 10:35:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.0248	J	0.0152	MDL	0.107	PQL	mg/Kg	J	Z

Sample ID: SL-172-SA7-SB-9.0-10.0

Collected: 9/27/2011 10:45:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.126	J	0.0620	MDL	0.428	PQL	mg/Kg	J	Z

Sample ID: SL-172-SA7-SB-9.0-10.0

Collected: 9/27/2011 10:45:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0791	U	0.0791	MDL	0.214	PQL	mg/Kg	UJ	Q
SILVER	0.0224	J	0.0152	MDL	0.107	PQL	mg/Kg	J	Z

Method Category: METALS

Method: 7199

Matrix: SO

Sample ID: SL-004-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 2:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.97	J	0.20	MDL	1.0	PQL	mg/Kg	J	Z

Sample ID: SL-005-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 1:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.92	J	0.20	MDL	1.0	PQL	mg/Kg	J	Z

Sample ID: SL-021-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.65	J	0.20	MDL	1.0	PQL	mg/Kg	J	Z

Sample ID: SL-022-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 2:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.56	J	0.20	MDL	1.0	PQL	mg/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 14 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 7199

Matrix: SO

Sample ID: SL-024-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 8:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.67	J	0.20	MDL	1.0	PQL	mg/Kg	J	Z

Sample ID: SL-025-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 7:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.86	J	0.20	MDL	1.0	PQL	mg/Kg	J	Z

Method Category: METALS

Method: 7470A

Matrix: AQ

Sample ID: EB-SA7-SB-092711

Collected: 9/27/2011 1:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.000045	J	0.000026	MDL	0.00020	PQL	mg/L	U	B, B

Method Category: METALS

Method: 7471A

Matrix: SO

Sample ID: DUP-09-SA7-QC-092711

Collected: 9/27/2011 8:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0079	J	0.0071	MDL	0.101	PQL	mg/Kg	UJ	F, FD

Sample ID: SL-004-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 2:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0103	J	0.0071	MDL	0.101	PQL	mg/Kg	J	Z

Sample ID: SL-005-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 1:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0074	J	0.0066	MDL	0.0945	PQL	mg/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 15 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 7471A

Matrix: SO

Sample ID: SL-006-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0109	J	0.0068	MDL	0.0963	PQL	mg/Kg	J	Z

Sample ID: SL-019-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 10:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0135	J	0.0070	MDL	0.0991	PQL	mg/Kg	J	Z

Sample ID: SL-020-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0088	J	0.0067	MDL	0.0959	PQL	mg/Kg	J	Z

Sample ID: SL-021-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0115	J	0.0068	MDL	0.0972	PQL	mg/Kg	J	Z

Sample ID: SL-022-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 2:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0193	J	0.0070	MDL	0.0997	PQL	mg/Kg	J	Z

Sample ID: SL-023-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 9:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0118	J	0.0068	MDL	0.0967	PQL	mg/Kg	J	Z

Sample ID: SL-024-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 8:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0098	J	0.0070	MDL	0.100	PQL	mg/Kg	J	Z

Sample ID: SL-025-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 7:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0098	J	0.0068	MDL	0.0963	PQL	mg/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 16 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 7471A

Matrix: SO

Sample ID: SL-038-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 3:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0877	J	0.0069	MDL	0.0977	PQL	mg/Kg	J	Z

Sample ID: SL-103-SA7-SB-4.0-5.0

Collected: 9/27/2011 8:40:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0071	U	0.0071	MDL	0.101	PQL	mg/Kg	UJ	FD

Sample ID: SL-172-SA7-SB-4.0-5.0

Collected: 9/27/2011 10:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0079	J	0.0074	MDL	0.105	PQL	mg/Kg	U	F

Sample ID: SL-172-SA7-SB-9.0-10.0

Collected: 9/27/2011 10:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0490	J	0.0074	MDL	0.105	PQL	mg/Kg	J	Z

Method Category: SVOA

Method: 1625C

Matrix: AQ

Sample ID: EB-SA7-SB-092711

Collected: 9/27/2011 1:00:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
N-NITROSODIMETHYLAMINE	3.23		0.532	MDL	1.06	PQL	ng/L	UJ	B, S

Method Category: SVOA

Method: 8015M

Matrix: SO

Sample ID: DUP-09-SA7-QC-092711

Collected: 9/27/2011 8:45:00

Analysis Type: REA2

Dilution: 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
EFH (C15-C20)	2.1	U	2.1	MDL	6.2	PQL	mg/Kg	UJ	FD
EFH (C21-C30)	17		2.1	MDL	6.2	PQL	mg/Kg	J	FD
EFH (C30-C40)	60		2.1	MDL	6.2	PQL	mg/Kg	J	FD

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 17 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	8015M
Matrix:	SO

Sample ID: SL-103-SA7-SB-4.0-5.0			Collected: 9/27/2011 8:40:00		Analysis Type: REA			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIETHYLENE GLYCOL	5.2	U	5.2	MDL	10	PQL	mg/Kg	UJ	Q
ETHYLENE GLYCOL	5.2	U	5.2	MDL	10	PQL	mg/Kg	UJ	Q
Propylene glycol	5.2	U	5.2	MDL	10	PQL	mg/Kg	UJ	Q

Sample ID: SL-103-SA7-SB-4.0-5.0			Collected: 9/27/2011 8:40:00		Analysis Type: REA2			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
EFH (C15-C20)	0.60	J	0.42	MDL	1.3	PQL	mg/Kg	J	Z, FD
EFH (C21-C30)	8.7		0.42	MDL	1.3	PQL	mg/Kg	J	Q, Q, Q, FD
EFH (C30-C40)	24		0.42	MDL	1.3	PQL	mg/Kg	J	FD

Sample ID: SL-103-SA7-SB-9.0-10.0			Collected: 9/27/2011 8:55:00		Analysis Type: REA2			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
EFH (C15-C20)	0.44	J	0.44	MDL	1.3	PQL	mg/Kg	J	Z

Sample ID: SL-104-SA7-SB-4.0-5.0			Collected: 9/27/2011 12:35:00		Analysis Type: REA			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
EFH (C15-C20)	0.53	J	0.42	MDL	1.3	PQL	mg/Kg	J	Z

Sample ID: SL-105-SA7-SB-4.0-5.0			Collected: 9/27/2011 2:45:00		Analysis Type: REA2			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
EFH (C15-C20)	0.45	J	0.41	MDL	1.2	PQL	mg/Kg	J	Z

Method Category:	SVOA
Method:	8081A
Matrix:	SO

Sample ID: SL-006-SA5DS-SS-0.0-0.5			Collected: 9/27/2011 11:30:00		Analysis Type: RES-BASE/NEUTRAL			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,4'-DDE	1.0		0.067	MDL	0.35	PQL	ug/Kg	J	S
4,4'-DDT	0.63		0.067	MDL	0.35	PQL	ug/Kg	J	S
Chlordane	3.8		0.81	MDL	3.5	PQL	ug/Kg	J	S

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 18 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 8081A

Matrix: SO

Sample ID: SL-019-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 10:45:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,4'-DDE	0.23	J	0.067	MDL	0.34	PQL	ug/Kg	J	Z
ENDRIN ALDEHYDE	0.086	J	0.067	MDL	0.34	PQL	ug/Kg	J	Z

Sample ID: SL-020-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:10:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Chlordane	2.9	J	0.81	MDL	3.4	PQL	ug/Kg	J	Z

Sample ID: SL-021-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:50:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Chlordane	1.6	J	0.81	MDL	3.4	PQL	ug/Kg	J	Z
TOXAPHENE	2.6	J	2.2	MDL	6.7	PQL	ug/Kg	J	Z

Sample ID: SL-022-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 2:40:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DELTA-BHC	0.046	J	0.036	MDL	0.17	PQL	ug/Kg	J	Z
ENDRIN KETONE	0.097	J	0.067	MDL	0.34	PQL	ug/Kg	J	Z

Sample ID: SL-023-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 9:15:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,4'-DDD	0.067	U	0.067	MDL	0.35	PQL	ug/Kg	UJ	S
4,4'-DDE	0.25	J	0.067	MDL	0.35	PQL	ug/Kg	J	Z, S
4,4'-DDT	0.38		0.067	MDL	0.35	PQL	ug/Kg	J	S
ALDRIN	0.067	U	0.067	MDL	0.17	PQL	ug/Kg	UJ	S
ALPHA-BHC	0.035	U	0.035	MDL	0.17	PQL	ug/Kg	UJ	S
BETA-BHC	0.061	U	0.061	MDL	0.17	PQL	ug/Kg	UJ	S
Chlordane	1.8	J	0.82	MDL	3.5	PQL	ug/Kg	J	Z, S
DELTA-BHC	0.037	U	0.037	MDL	0.17	PQL	ug/Kg	UJ	S
DIELDRIN	0.067	U	0.067	MDL	0.35	PQL	ug/Kg	UJ	S
ENDOSULFAN I	0.045	U	0.045	MDL	0.17	PQL	ug/Kg	UJ	S
ENDOSULFAN II	0.067	U	0.067	MDL	0.35	PQL	ug/Kg	UJ	S
ENDOSULFAN SULFATE	0.067	U	0.067	MDL	0.35	PQL	ug/Kg	UJ	S

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 19 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 8081A

Matrix: SO

Sample ID: SL-023-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 9:15:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ENDRIN	0.067	U	0.067	MDL	0.35	PQL	ug/Kg	UJ	S
ENDRIN ALDEHYDE	0.075	U	0.075	MDL	0.35	PQL	ug/Kg	UJ	S
ENDRIN KETONE	0.067	U	0.067	MDL	0.35	PQL	ug/Kg	UJ	S
gamma-BHC (Lindane)	0.035	U	0.035	MDL	0.17	PQL	ug/Kg	UJ	S
HEPTACHLOR	0.061	U	0.061	MDL	0.17	PQL	ug/Kg	UJ	S
HEPTACHLOR EPOXIDE	0.035	U	0.035	MDL	0.17	PQL	ug/Kg	UJ	S
METHOXYCHLOR	0.35	U	0.35	MDL	1.7	PQL	ug/Kg	UJ	S
MIREX	0.067	U	0.067	MDL	0.35	PQL	ug/Kg	UJ	S
TOXAPHENE	2.2	U	2.2	MDL	6.7	PQL	ug/Kg	UJ	S

Sample ID: SL-025-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 7:30:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BETA-BHC	0.079	J	0.061	MDL	0.17	PQL	ug/Kg	J	Z
Chlordane	2.5	J	0.81	MDL	3.5	PQL	ug/Kg	J	Z

Sample ID: SL-038-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 3:00:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Chlordane	1.1	J	0.82	MDL	3.5	PQL	ug/Kg	J	Z

Method Category: SVOA

Method: 8082

Matrix: SO

Sample ID: DUP-09-SA7-QC-092711

Collected: 9/27/2011 8:45:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCOR 1260	0.41	U	0.41	MDL	1.8	PQL	ug/Kg	UJ	FD

Sample ID: SL-004-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 2:15:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCOR 1254	0.51	J	0.34	MDL	1.7	PQL	ug/Kg	J	Z
AROCOR 1260	0.67	J	0.40	MDL	1.7	PQL	ug/Kg	J	Z
Aroclor 5460	1.2	J	1.0	MDL	3.4	PQL	ug/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 20 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 8082

Matrix: SO

Sample ID: SL-006-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:30:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCOLOR 1254	1.2	J	0.34	MDL	1.7	PQL	ug/Kg	J	Z
AROCOLOR 1260	1.0	J	0.40	MDL	1.7	PQL	ug/Kg	J	Z
Aroclor 5460	1.9	J	1.0	MDL	3.4	PQL	ug/Kg	J	Z

Sample ID: SL-019-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 10:45:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCOLOR 1260	0.52	J	0.39	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-020-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:10:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCOLOR 1254	1.2	J	0.33	MDL	1.7	PQL	ug/Kg	J	Z
AROCOLOR 1260	0.87	J	0.40	MDL	1.7	PQL	ug/Kg	J	Z
Aroclor 5460	2.0	J	1.0	MDL	3.3	PQL	ug/Kg	J	Z

Sample ID: SL-021-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:50:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCOLOR 1254	0.89	J	0.33	MDL	1.7	PQL	ug/Kg	J	Z
AROCOLOR 1260	0.71	J	0.40	MDL	1.7	PQL	ug/Kg	J	Z
Aroclor 5460	1.6	J	1.0	MDL	3.3	PQL	ug/Kg	J	Z

Sample ID: SL-022-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 2:40:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCOLOR 1254	1.2	J	0.34	MDL	1.7	PQL	ug/Kg	J	Z, S
AROCOLOR 1260	0.97	J	0.40	MDL	1.7	PQL	ug/Kg	J	Z, S
Aroclor 5460	2.0	J	1.0	MDL	3.4	PQL	ug/Kg	J	Z, S

Sample ID: SL-023-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 9:15:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCOLOR 1254	0.64	J	0.34	MDL	1.7	PQL	ug/Kg	J	Z, S
AROCOLOR 1260	0.75	J	0.40	MDL	1.7	PQL	ug/Kg	J	Z, S

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 21 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 8082

Matrix: SO

Sample ID: SL-023-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 9:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5460	1.6	J	1.0	MDL	3.4	PQL	ug/Kg	J	Z, S

Sample ID: SL-024-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 8:45:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1254	0.89	J	0.33	MDL	1.7	PQL	ug/Kg	J	Z
Aroclor 5460	1.3	J	1.0	MDL	3.3	PQL	ug/Kg	J	Z

Sample ID: SL-025-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 7:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5460	1.3	J	1.0	MDL	3.3	PQL	ug/Kg	J	Z

Sample ID: SL-038-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 3:00:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1242	0.72	J	0.34	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-103-SA7-SB-4.0-5.0

Collected: 9/27/2011 8:40:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1260	0.47	J	0.41	MDL	1.8	PQL	ug/Kg	J	Z, S, FD

Sample ID: SL-104-SA7-SB-4.0-5.0

Collected: 9/27/2011 12:35:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1260	0.90	J	0.40	MDL	1.8	PQL	ug/Kg	J	Z

Sample ID: SL-104-SA7-SB-9.0-10.0

Collected: 9/27/2011 12:45:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1260	0.47	J	0.41	MDL	1.8	PQL	ug/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 22 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA								
Method:	8082	Matrix:	SO						

Sample ID: SL-105-SA7-SB-4.0-5.0	Collected: 9/27/2011 2:45:00		Analysis Type: RES-BASE/NEUTRAL		Dilution: 1				
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1260	0.75	J	0.40	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-172-SA7-SB-4.0-5.0	Collected: 9/27/2011 10:35:00		Analysis Type: RES-BASE/NEUTRAL		Dilution: 1				
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1260	0.76	J	0.42	MDL	1.8	PQL	ug/Kg	J	Z

Method Category:	SVOA								
Method:	8151A	Matrix:	SO						

Sample ID: SL-006-SA5DS-SS-0.0-0.5	Collected: 9/27/2011 11:30:00		Analysis Type: RES		Dilution: 1				
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4-D	2.0	J	1.2	MDL	3.7	PQL	ug/Kg	J	Z

Sample ID: SL-021-SA5DS-SS-0.0-0.5	Collected: 9/27/2011 11:50:00		Analysis Type: RES		Dilution: 1				
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4,5-TP (Silvex)	0.13	J	0.076	MDL	0.17	PQL	ug/Kg	J	Z

Sample ID: SL-038-SA5DS-SS-0.0-0.5	Collected: 9/27/2011 3:00:00		Analysis Type: RES		Dilution: 1				
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4,5-TP (Silvex)	0.090	J	0.077	MDL	0.17	PQL	ug/Kg	J	Z
DICAMBA	0.61	J	0.41	MDL	1.2	PQL	ug/Kg	J	Z
DICHLOROPROP	1.6	J	0.82	MDL	1.7	PQL	ug/Kg	J	Z
DINOSEB	0.82	U	0.82	MDL	2.5	PQL	ug/Kg	R	L

Method Category:	SVOA								
Method:	8270C	Matrix:	AQ						

Sample ID: EB-SA7-SB-092711	Collected: 9/27/2011 1:00:00		Analysis Type: RES-ACID		Dilution: 1				
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	7	U	7	MDL	17	PQL	ug/L	UJ	E

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 23 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA		
Method:	8270C	Matrix:	AQ

Method Category:	SVOA		
Method:	8270C	Matrix:	SO

Sample ID: DUP-09-SA7-QC-092711 Collected: 9/27/2011 8:45:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Di-n-butylphthalate	35	J	17	MDL	170	PQL	ug/Kg	J	Z

Sample ID: SL-005-SA5DS-SS-0.0-0.5 Collected: 9/27/2011 1:50:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	19	J	17	MDL	340	PQL	ug/Kg	J	Z

Sample ID: SL-006-SA5DS-SS-0.0-0.5 Collected: 9/27/2011 11:30:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	51	J	17	MDL	340	PQL	ug/Kg	J	Z

Sample ID: SL-024-SA5DS-SS-0.0-0.5 Collected: 9/27/2011 8:45:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	18	J	17	MDL	340	PQL	ug/Kg	J	Z

Sample ID: SL-103-SA7-SB-4.0-5.0 Collected: 9/27/2011 8:40:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZIDINE	1200	U	1200	MDL	3400	PQL	ug/Kg	UJ	Q
BENZOIC ACID	170	U	170	MDL	520	PQL	ug/Kg	R	Q

Method Category:	SVOA		
Method:	8270C SIM	Matrix:	AQ

Sample ID: EB-SA7-SB-092711 Collected: 9/27/2011 1:00:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	0.13	J	0.055	MDL	1.1	PQL	ug/L	J	Z
Diethylphthalate	0.36	J	0.055	MDL	1.1	PQL	ug/L	J	Z
Di-n-butylphthalate	0.79	J	0.055	MDL	1.1	PQL	ug/L	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 24 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 8270C SIM

Matrix: AQ

Sample ID: EB-SA7-SB-092711

Collected: 9/27/2011 1:00:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Di-n-octylphthalate	0.11	J	0.055	MDL	1.1	PQL	ug/L	J	Z

Method Category: SVOA

Method: 8270C SIM

Matrix: SO

Sample ID: DUP-09-SA7-QC-092711

Collected: 9/27/2011 8:45:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)ANTHRACENE	0.76	J	0.69	MDL	1.7	PQL	ug/Kg	J	Z, FD
BENZO(A)PYRENE	1.0	J	0.69	MDL	1.7	PQL	ug/Kg	J	Z, FD
BENZO(G,H,I)PERYLENE	1.0	J	0.69	MDL	1.7	PQL	ug/Kg	J	Z, FD
BIS(2-ETHYLHEXYL)PHthalate	6.2	U	6.2	MDL	19	PQL	ug/Kg	UJ	FD
CHRYSENE	1.5	J	0.35	MDL	1.7	PQL	ug/Kg	J	Z, FD
FLUORANTHENE	1.0	J	0.69	MDL	1.7	PQL	ug/Kg	J	Z, FD
PYRENE	1.5	J	0.69	MDL	1.7	PQL	ug/Kg	J	Z, FD

Sample ID: SL-004-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 2:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.78	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
2-METHYLNAPHTHALENE	1.2	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(A)ANTHRACENE	0.81	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(A)PYRENE	1.6	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(G,H,I)PERYLENE	1.1	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
BIS(2-ETHYLHEXYL)PHthalate	12	J	6.0	MDL	18	PQL	ug/Kg	J	Z
INDENO(1,2,3-CD)PYRENE	1.1	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-005-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 1:50:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)ANTHRACENE	0.76	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(A)PYRENE	1.0	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
CHRYSENE	1.4	J	0.34	MDL	1.7	PQL	ug/Kg	J	Z
NAPHTHALENE	0.71	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
PHENANTHRENE	1.1	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 25 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 8270C SIM

Matrix: SO

Sample ID: SL-006-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	1.2	J	0.68	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(A)ANTHRACENE	0.78	J	0.68	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(A)PYRENE	1.2	J	0.68	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(G,H,I)PERYLENE	0.73	J	0.68	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-019-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 10:45:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	1.4	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
CHRYSENE	0.36	J	0.33	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-020-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:10:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)ANTHRACENE	0.76	J	0.68	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(A)PYRENE	1.1	J	0.68	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(G,H,I)PERYLENE	0.71	J	0.68	MDL	1.7	PQL	ug/Kg	J	Z
BIS(2-ETHYLHEXYL)PHTHALATE	16	J	6.1	MDL	18	PQL	ug/Kg	J	Z
Butylbenzylphthalate	6.6	J	6.1	MDL	18	PQL	ug/Kg	J	Z
NAPHTHALENE	1.0	J	0.68	MDL	1.7	PQL	ug/Kg	J	Z
PHENANTHRENE	1.0	J	0.68	MDL	1.7	PQL	ug/Kg	J	Z
PYRENE	1.6	J	0.68	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-021-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 11:50:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	7.1	J	6.1	MDL	18	PQL	ug/Kg	J	Z
CHRYSENE	0.93	J	0.34	MDL	1.7	PQL	ug/Kg	J	Z
FLUORANTHENE	0.98	J	0.68	MDL	1.7	PQL	ug/Kg	J	Z
PHENANTHRENE	0.76	J	0.68	MDL	1.7	PQL	ug/Kg	J	Z
PYRENE	0.86	J	0.68	MDL	1.7	PQL	ug/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 26 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 8270C SIM

Matrix: SO

Sample ID: SL-022-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 2:40:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)ANTHRACENE	1.1	J	0.68	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(G,H,I)PERYLENE	1.1	J	0.68	MDL	1.7	PQL	ug/Kg	J	Z
Butylbenzylphthalate	10	J	6.1	MDL	18	PQL	ug/Kg	J	Z
INDENO(1,2,3-CD)PYRENE	0.89	J	0.68	MDL	1.7	PQL	ug/Kg	J	Z
NAPHTHALENE	0.87	J	0.68	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-023-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 9:15:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)ANTHRACENE	1.5	J	0.68	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(K)FLUORANTHENE	0.90	J	0.68	MDL	1.7	PQL	ug/Kg	J	Z
BIS(2-ETHYLHEXYL)PHTHALATE	6.6	J	6.1	MDL	18	PQL	ug/Kg	J	Z
CHRYSENE	1.6	J	0.34	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-024-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 8:45:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.71	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(A)PYRENE	0.79	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(G,H,I)PERYLENE	1.0	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
CHRYSENE	1.4	J	0.34	MDL	1.7	PQL	ug/Kg	J	Z
INDENO(1,2,3-CD)PYRENE	0.70	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
NAPHTHALENE	1.6	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
PHENANTHRENE	1.3	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
PYRENE	1.5	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-025-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 7:30:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)ANTHRACENE	1.1	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(A)PYRENE	1.5	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(G,H,I)PERYLENE	1.4	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
Butylbenzylphthalate	6.6	J	6.1	MDL	18	PQL	ug/Kg	J	Z
INDENO(1,2,3-CD)PYRENE	1.1	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z
NAPHTHALENE	0.74	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 27 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 8270C SIM

Matrix: SO

Sample ID: SL-025-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 7:30:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PHENANTHRENE	1.5	J	0.67	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-038-SA5DS-SS-0.0-0.5

Collected: 9/27/2011 3:00:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	11	J	6.2	MDL	19	PQL	ug/Kg	J	Z
CHRYSENE	0.78	J	0.34	MDL	1.7	PQL	ug/Kg	J	Z
FLUORANTHENE	0.92	J	0.69	MDL	1.7	PQL	ug/Kg	J	Z
PYRENE	0.89	J	0.69	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-103-SA7-SB-4.0-5.0

Collected: 9/27/2011 8:40:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)ANTHRACENE	0.69	U	0.69	MDL	1.7	PQL	ug/Kg	UJ	FD
BENZO(A)PYRENE	0.69	U	0.69	MDL	1.7	PQL	ug/Kg	UJ	FD
BENZO(G,H,I)PERYLENE	0.69	U	0.69	MDL	1.7	PQL	ug/Kg	UJ	FD
BIS(2-ETHYLHEXYL)PHTHALATE	55		6.2	MDL	19	PQL	ug/Kg	J	Q, FD
CHRYSENE	0.48	J	0.35	MDL	1.7	PQL	ug/Kg	J	Z, FD
FLUORANTHENE	0.69	U	0.69	MDL	1.7	PQL	ug/Kg	UJ	FD
PYRENE	0.69	U	0.69	MDL	1.7	PQL	ug/Kg	UJ	FD

Sample ID: SL-103-SA7-SB-9.0-10.0

Collected: 9/27/2011 8:55:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.91	J	0.72	MDL	1.8	PQL	ug/Kg	J	Z

Sample ID: SL-104-SA7-SB-4.0-5.0

Collected: 9/27/2011 12:35:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)PYRENE	0.75	J	0.69	MDL	1.7	PQL	ug/Kg	J	Z
BENZO(B)FLUORANTHENE	1.2	J	0.69	MDL	1.7	PQL	ug/Kg	J	Z
BIS(2-ETHYLHEXYL)PHTHALATE	6.3	J	6.2	MDL	19	PQL	ug/Kg	J	Z
CHRYSENE	0.76	J	0.35	MDL	1.7	PQL	ug/Kg	J	Z
PYRENE	0.98	J	0.69	MDL	1.7	PQL	ug/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 28 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	8270C SIM
Matrix:	SO

Sample ID: SL-104-SA7-SB-9.0-10.0 Collected: 9/27/2011 12:45:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.72	J	0.70	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-105-SA7-SB-4.0-5.0 Collected: 9/27/2011 2:45:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(G,H,I)PERYLENE	0.87	J	0.69	MDL	1.7	PQL	ug/Kg	J	Z
CHRYSENE	1.5	J	0.34	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-172-SA7-SB-4.0-5.0 Collected: 9/27/2011 10:35:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	1.2	J	0.72	MDL	1.8	PQL	ug/Kg	J	Z
CHRYSENE	0.50	J	0.36	MDL	1.8	PQL	ug/Kg	J	Z

Sample ID: SL-172-SA7-SB-9.0-10.0 Collected: 9/27/2011 10:45:00 Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.74	J	0.73	MDL	1.8	PQL	ug/Kg	J	Z

Method Category:	SVOA
Method:	8330A
Matrix:	AQ

Sample ID: EB-SA7-SB-092711 Collected: 9/27/2011 1:00:00 Analysis Type: RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Tetryl	0.40	U	0.40	MDL	0.60	PQL	ug/L	UJ	L

Method Category:	VOA
Method:	8260B
Matrix:	AQ

Sample ID: EB-SA7-SB-092711 Collected: 9/27/2011 1:00:00 Analysis Type: RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	3	J	2	MDL	5	PQL	ug/L	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 29 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

EDD Filename: PrepDE256_v1

Laboratory: LL

eQAPP Name: CDM_SSFL_110509

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 30 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
	Duplicate Sample Count = 0
	Duplicate Sample Count > 1
	Illogical Fraction
	Laboratory Control Sample Count = 0
	Laboratory Control Sample Count > 1
	Laboratory Triplicate Precision
	Matrix Spike Sample Count = 0
	Matrix Spike Sample Count > 1
	Method Blank Sample Count = 0
	Method Blank Sample Count > 1
	Percent Moisture
*#	Professional Judgment
A	ICP Serial Dilution
B	Calibration Blank Contamination
B	Method Blank Contamination
C	Continuing Calibration Verification Correlation Coefficient
C	Continuing Calibration Verification Percent Difference Lower Estimation
C	Continuing Calibration Verification Percent Difference Lower Rejection
C	Continuing Calibration Verification Percent Difference Upper Estimation
C	Continuing Calibration Verification Percent Difference Upper Rejection
C	Initial Calibration Correlation Coefficient
C	Initial Calibration Percent Relative Standard Deviation
C	Initial Calibration Verification Correlation Coefficient
C	Initial Calibration Verification Percent Difference Lower Estimation
C	Initial Calibration Verification Percent Difference Lower Rejection
C	Initial Calibration Verification Percent Difference Upper Estimation
C	Initial Calibration Verification Percent Difference Upper Rejection
E	Laboratory Control Precision
E	Laboratory Duplicate Precision
E	Matrix Spike Precision

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 31 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

F	Equipment Blank Contamination
F	Field Blank Contamination
FD	Field Duplicate Precision
FT	Field Triplicate Precision
H	Extraction to Analysis Estimation
H	Extraction to Analysis Rejection
H	Preservation
H	Sampling to Analysis Estimation
H	Sampling to Analysis Rejection
H	Sampling to Extraction Estimation
H	Sampling to Extraction Rejection
H	Sampling to Leaching Estimation
H	Sampling to Leaching Rejection
H	Temperature Estimation
H	Temperature Rejection
I	Internal Standard Estimation
I	Internal Standard Rejection
L	Laboratory Control Precision
L	Laboratory Control Spike Lower Estimation
L	Laboratory Control Spike Lower Rejection
L	Laboratory Control Spike Upper Estimation
L	Laboratory Control Spike Upper Rejection
M	Continuing Tune
M	Initial Tune
M	Performance Evaluation Mixture
M	Resolution Check Mixture
Q	Laboratory Duplicate Precision
Q	Matrix Spike Lower Estimation
Q	Matrix Spike Lower Rejection
Q	Matrix Spike Precision
Q	Matrix Spike Upper Estimation
Q	Matrix Spike Upper Rejection

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 32 of 33

Data Qualifier Summary

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation
R	Continuing Calibration Verification Percent Recovery Upper Rejection
R	Continuing Calibration Verification Relative Response Factor
R	Initial Calibration Relative Response Factor
R	Initial Calibration Verification Percent Recovery Lower Estimation
R	Initial Calibration Verification Percent Recovery Lower Rejection
R	Initial Calibration Verification Percent Recovery Upper Estimation
R	Initial Calibration Verification Percent Recovery Upper Rejection
R	Initial Calibration Verification Relative Response Factor
S	Surrogate/Tracer Recovery Lower Estimation
S	Surrogate/Tracer Recovery Lower Rejection
S	Surrogate/Tracer Recovery Upper Estimation
S	Surrogate/Tracer Recovery Upper Rejection
T	Trip Blank Contamination
Z	Reporting Limit
Z	Reporting Limit > Project Maximum Contamination Limit
Z	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:17:03 PM

ADR version 1.4.0.111

Page 33 of 33

Enclosure I

Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DE256

Field Duplicate RPD Report

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-103-SA7-SB-4.0-5.0	DUP-09-SA7-QC-092711			
MOISTURE	4.6	3.9	16		No Qualifiers Applied

Method: 300.0

Matrix: SO

Analyte	Concentration (mg/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-103-SA7-SB-4.0-5.0	DUP-09-SA7-QC-092711			
FLUORIDE	3.7	2.4	43	50.00	No Qualifiers Applied
Nitrate-NO3	1.7	1.6 U	200	50.00	J(all detects) UJ(all non-detects)

Method: 6010B

Matrix: SO

Analyte	Concentration (mg/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-103-SA7-SB-4.0-5.0	DUP-09-SA7-QC-092711			
ALUMINUM	13700	14100	3	50.00	No Qualifiers Applied
BORON	6.93	6.69	4	50.00	
CALCIUM	5170	4210	20	50.00	
IRON	18300	18700	2	50.00	
LITHIUM	23.5	24.0	2	50.00	
MAGNESIUM	4200	4320	3	50.00	
MANGANESE	259	255	2	50.00	
PHOSPHORUS	356	378	6	50.00	
POTASSIUM	2670	2720	2	50.00	
SODIUM	103	81.8	23	50.00	
STRONTIUM	26.2	17.9	38	50.00	
TIN	0.840	0.615	31	50.00	
TITANIUM	1050	1140	8	50.00	
Zirconium	1.38	1.13	20	50.00	

Method: 6020

Matrix: SO

Analyte	Concentration (mg/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-103-SA7-SB-4.0-5.0	DUP-09-SA7-QC-092711			
ARSENIC	3.85	3.84	0	50.00	No Qualifiers Applied
BARIUM	76.5	76.0	1	50.00	
BERYLLIUM	0.500	0.425	16	50.00	
CADMIUM	0.0906	0.0950	5	50.00	
CHROMIUM	15.1	14.4	5	50.00	
COBALT	4.75	4.59	3	50.00	
COPPER	7.14	7.00	2	50.00	
LEAD	4.80	4.51	6	50.00	
MOLYBDENUM	0.615	0.445	32	50.00	
NICKEL	9.34	9.02	3	50.00	
SELENIUM	0.160	0.139	14	50.00	
THALLIUM	0.240	0.258	7	50.00	
VANADIUM	30.5	31.5	3	50.00	
ZINC	52.9	50.8	4	50.00	

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:23:15 PM

ADR version 1.4.0.111

Page 1 of 2

Field Duplicate RPD Report

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: PrepDE256_v1

eQAPP Name: CDM_SSFL_110509

Method: 6020

Matrix: SO

ANTIMONY	0.0944	0.200 U	200	50.00	J(all detects)
SILVER	0.0234	0.100 U	200	50.00	UJ(all non-detects)

Method: 7471A

Matrix: SO

Analyte	Concentration (mg/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-103-SA7-SB-4.0-5.0	DUP-09-SA7-QC-092711			
MERCURY	0.101 U	0.0079	200	50.00	J(all detects) UJ(all non-detects)

Method: 8015M

Matrix: SO

Analyte	Concentration (mg/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-103-SA7-SB-4.0-5.0	DUP-09-SA7-QC-092711			
EFH (C15-C20)	0.60	6.2 U	200	50.00	J(all detects) UJ(all non-detects)
EFH (C21-C30)	8.7	17	65	50.00	
EFH (C30-C40)	24	60	86	50.00	

Method: 8082

Matrix: SO

Analyte	Concentration (ug/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-103-SA7-SB-4.0-5.0	DUP-09-SA7-QC-092711			
AROCOR 1260	0.47	1.8 U	200	50.00	J(all detects) UJ(all non-detects)

Method: 8270C SIM

Matrix: SO

Analyte	Concentration (ug/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-103-SA7-SB-4.0-5.0	DUP-09-SA7-QC-092711			
BENZO(B)FLUORANTHENE	2.1	2.4	13	50.00	No Qualifiers Applied
BENZO(A)ANTHRACENE	1.7 U	0.76	200	50.00	J(all detects) UJ(all non-detects)
BENZO(A)PYRENE	1.7 U	1.0	200	50.00	
BENZO(G,H,I)PERYLENE	1.7 U	1.0	200	50.00	
BIS(2-ETHYLHEXYL)PHTHALATE	55	19 U	200	50.00	
CHRYSENE	0.48	1.5	103	50.00	
FLUORANTHENE	1.7 U	1.0	200	50.00	
PYRENE	1.7 U	1.5	200	50.00	

Method: 9045M

Matrix: SO

Analyte	Concentration (pH unit)		Sample RPD	eQAPP RPD	Flag
	SL-103-SA7-SB-4.0-5.0	DUP-09-SA7-QC-092711			
PH	8.37	8.32	1	50.00	No Qualifiers Applied

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/16/2012 1:23:15 PM

ADR version 1.4.0.111

Page 2 of 2

Method Blank Outlier Report

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: DE256_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1625C
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
PLKWA26B261601	10/3/2011 4:01:00 PM	N-NITROSODIMETHYLAMINE	1.47 ng/L	EB-SA7-SB-092711

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
EB-SA7-SB-092711(RES)	N-NITROSODIMETHYLAMINE	3.23 ng/L	3.23U ng/L

Method: 6010B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P27848CB222339	10/9/2011 11:39:00 PM	STRONTIUM	0.00022 mg/L	EB-SA7-SB-092711

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
EB-SA7-SB-092711(REA2)	STRONTIUM	0.00023 mg/L	0.00023U mg/L

Method: 6010B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P27208AB220108	10/11/2011 1:08:00 AM	ALUMINUM	8.39 mg/Kg	DUP-09-SA7-QC-092711 SL-004-SA5DS-SS-0.0-0.5 SL-005-SA5DS-SS-0.0-0.5 SL-006-SA5DS-SS-0.0-0.5 SL-019-SA5DS-SS-0.0-0.5 SL-020-SA5DS-SS-0.0-0.5 SL-021-SA5DS-SS-0.0-0.5 SL-022-SA5DS-SS-0.0-0.5 SL-023-SA5DS-SS-0.0-0.5 SL-024-SA5DS-SS-0.0-0.5 SL-025-SA5DS-SS-0.0-0.5 SL-038-SA5DS-SS-0.0-0.5 SL-103-SA7-SB-4.0-5.0 SL-103-SA7-SB-9.0-10.0 SL-104-SA7-SB-4.0-5.0 SL-104-SA7-SB-9.0-10.0 SL-105-SA7-SB-4.0-5.0 SL-172-SA7-SB-4.0-5.0 SL-172-SA7-SB-9.0-10.0

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/9/2012 12:56:23 PM

ADR version 1.4.0.111

Page 1 of 3

Method Blank Outlier Report

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: DE256_v1.

eQAPP Name: CDM_SSFL_110509

Method: 6010B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P27208AB220759	10/10/2011 7:59:00 AM	CALCIUM MANGANESE PHOSPHORUS STRONTIUM TIN	7.16 mg/Kg 0.0466 mg/Kg 1.24 mg/Kg 0.0262 mg/Kg 1.35 mg/Kg	DUP-09-SA7-QC-092711 SL-004-SA5DS-SS-0.0-0.5 SL-005-SA5DS-SS-0.0-0.5 SL-006-SA5DS-SS-0.0-0.5 SL-019-SA5DS-SS-0.0-0.5 SL-020-SA5DS-SS-0.0-0.5 SL-021-SA5DS-SS-0.0-0.5 SL-022-SA5DS-SS-0.0-0.5 SL-023-SA5DS-SS-0.0-0.5 SL-024-SA5DS-SS-0.0-0.5 SL-025-SA5DS-SS-0.0-0.5 SL-038-SA5DS-SS-0.0-0.5 SL-103-SA7-SB-4.0-5.0 SL-103-SA7-SB-9.0-10.0 SL-104-SA7-SB-4.0-5.0 SL-104-SA7-SB-9.0-10.0 SL-105-SA7-SB-4.0-5.0 SL-172-SA7-SB-4.0-5.0 SL-172-SA7-SB-9.0-10.0

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DUP-09-SA7-QC-092711(RES)	TIN	0.615 mg/Kg	0.615U mg/Kg
SL-004-SA5DS-SS-0.0-0.5(RES)	TIN	1.04 mg/Kg	1.04U mg/Kg
SL-005-SA5DS-SS-0.0-0.5(RES)	TIN	1.06 mg/Kg	1.06U mg/Kg
SL-006-SA5DS-SS-0.0-0.5(RES)	TIN	0.816 mg/Kg	0.816U mg/Kg
SL-019-SA5DS-SS-0.0-0.5(RES)	TIN	0.959 mg/Kg	0.959U mg/Kg
SL-020-SA5DS-SS-0.0-0.5(RES)	TIN	0.969 mg/Kg	0.969U mg/Kg
SL-021-SA5DS-SS-0.0-0.5(RES)	TIN	1.08 mg/Kg	1.08U mg/Kg
SL-022-SA5DS-SS-0.0-0.5(RES)	TIN	1.03 mg/Kg	1.03U mg/Kg
SL-023-SA5DS-SS-0.0-0.5(RES)	TIN	1.04 mg/Kg	1.04U mg/Kg
SL-024-SA5DS-SS-0.0-0.5(RES)	TIN	0.857 mg/Kg	0.857U mg/Kg
SL-025-SA5DS-SS-0.0-0.5(RES)	TIN	1.01 mg/Kg	1.01U mg/Kg
SL-038-SA5DS-SS-0.0-0.5(RES)	TIN	0.592 mg/Kg	0.592U mg/Kg
SL-103-SA7-SB-4.0-5.0(RES)	TIN	0.840 mg/Kg	0.840U mg/Kg
SL-103-SA7-SB-9.0-10.0(RES)	TIN	0.721 mg/Kg	0.721U mg/Kg
SL-104-SA7-SB-4.0-5.0(RES)	TIN	0.751 mg/Kg	0.751U mg/Kg
SL-104-SA7-SB-9.0-10.0(RES)	TIN	0.916 mg/Kg	0.916U mg/Kg
SL-105-SA7-SB-4.0-5.0(RES)	TIN	1.02 mg/Kg	1.02U mg/Kg
SL-172-SA7-SB-4.0-5.0(RES)	TIN	0.895 mg/Kg	0.895U mg/Kg
SL-172-SA7-SB-9.0-10.0(RES)	TIN	0.941 mg/Kg	0.941U mg/Kg

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/9/2012 12:56:23 PM

ADR version 1.4.0.111

Page 2 of 3

Method Blank Outlier Report

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: DE256_v1.

eQAPP Name: CDM_SSFL_110509

Method: 6020
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P27226AB222155A	9/29/2011 9:55:00 PM	COPPER LEAD	0.0875 mg/Kg 0.0645 mg/Kg	DUP-09-SA7-QC-092711 SL-004-SA5DS-SS-0.0-0.5 SL-005-SA5DS-SS-0.0-0.5 SL-006-SA5DS-SS-0.0-0.5 SL-019-SA5DS-SS-0.0-0.5 SL-020-SA5DS-SS-0.0-0.5 SL-021-SA5DS-SS-0.0-0.5 SL-022-SA5DS-SS-0.0-0.5 SL-023-SA5DS-SS-0.0-0.5 SL-024-SA5DS-SS-0.0-0.5 SL-025-SA5DS-SS-0.0-0.5 SL-038-SA5DS-SS-0.0-0.5 SL-103-SA7-SB-4.0-5.0 SL-103-SA7-SB-9.0-10.0 SL-104-SA7-SB-4.0-5.0 SL-104-SA7-SB-9.0-10.0 SL-105-SA7-SB-4.0-5.0 SL-172-SA7-SB-4.0-5.0 SL-172-SA7-SB-9.0-10.0

Method: 7470A
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P27813AB220856	10/6/2011 8:56:00 AM	MERCURY	0.000042 mg/L	EB-SA7-SB-092711

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
EB-SA7-SB-092711(RES)	MERCURY	0.000045 mg/L	0.000045U mg/L

Method: 8151A
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P78786AB241039A	10/7/2011 10:39:00 AM	MCP	130 ug/Kg	SL-004-SA5DS-SS-0.0-0.5 SL-005-SA5DS-SS-0.0-0.5 SL-006-SA5DS-SS-0.0-0.5 SL-019-SA5DS-SS-0.0-0.5 SL-020-SA5DS-SS-0.0-0.5 SL-021-SA5DS-SS-0.0-0.5 SL-022-SA5DS-SS-0.0-0.5 SL-023-SA5DS-SS-0.0-0.5 SL-024-SA5DS-SS-0.0-0.5 SL-025-SA5DS-SS-0.0-0.5
P83832AB241715A	10/12/2011 5:15:00 PM	2,4,5-T	0.10 ug/Kg	SL-038-SA5DS-SS-0.0-0.5

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/9/2012 12:56:23 PM

ADR version 1.4.0.111

Page 3 of 3

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: DE256_v1.

eQAPP Name: CDM_SSFL_110509

Method: 8015M

Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-103-SA7-SB-4.0-5.0MS SL-103-SA7-SB-4.0-5.0MSD (SL-103-SA7-SB-4.0-5.0)	DIETHYLENE GLYCOL ETHYLENE GLYCOL Propylene glycol	12 49 55	16 55 59	59.00-109.00 63.00-107.00 63.00-107.00	28 (20.00) - -	DIETHYLENE GLYCOL ETHYLENE GLYCOL Propylene glycol	J (all detects) UJ (all non-detects)
SL-103-SA7-SB-4.0-5.0MS SL-103-SA7-SB-4.0-5.0MSD (SL-103-SA7-SB-4.0-5.0)	EFH (C21-C30) EFH (C30-C40)	-50 -175	35 -220	49.00-123.00 49.00-123.00	22 (20.00) -	EFH (C21-C30) EFH (C30-C40)	J(all detects) R(all non-detects) EFH (C30-C40), No Qual >4x

Method: 6020

Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-103-SA7-SB-4.0-5.0MS SL-103-SA7-SB-4.0-5.0MSD (DUP-09-SA7-QC-092711 SL-004-SA5DS-SS-0.0-0.5 SL-005-SA5DS-SS-0.0-0.5 SL-006-SA5DS-SS-0.0-0.5 SL-019-SA5DS-SS-0.0-0.5 SL-020-SA5DS-SS-0.0-0.5 SL-021-SA5DS-SS-0.0-0.5 SL-022-SA5DS-SS-0.0-0.5 SL-023-SA5DS-SS-0.0-0.5 SL-024-SA5DS-SS-0.0-0.5 SL-025-SA5DS-SS-0.0-0.5 SL-038-SA5DS-SS-0.0-0.5 SL-103-SA7-SB-4.0-5.0 SL-103-SA7-SB-9.0-10.0 SL-104-SA7-SB-4.0-5.0 SL-104-SA7-SB-9.0-10.0 SL-105-SA7-SB-4.0-5.0 SL-172-SA7-SB-4.0-5.0 SL-172-SA7-SB-9.0-10.0)	ANTIMONY	35	30	75.00-125.00	-	ANTIMONY	J(all detects) UJ(all non-detects)
SL-103-SA7-SB-4.0-5.0MSD (DUP-09-SA7-QC-092711 SL-004-SA5DS-SS-0.0-0.5 SL-005-SA5DS-SS-0.0-0.5 SL-006-SA5DS-SS-0.0-0.5 SL-019-SA5DS-SS-0.0-0.5 SL-020-SA5DS-SS-0.0-0.5 SL-021-SA5DS-SS-0.0-0.5 SL-022-SA5DS-SS-0.0-0.5 SL-023-SA5DS-SS-0.0-0.5 SL-024-SA5DS-SS-0.0-0.5 SL-025-SA5DS-SS-0.0-0.5 SL-038-SA5DS-SS-0.0-0.5 SL-103-SA7-SB-4.0-5.0 SL-103-SA7-SB-9.0-10.0 SL-104-SA7-SB-4.0-5.0 SL-104-SA7-SB-9.0-10.0 SL-105-SA7-SB-4.0-5.0 SL-172-SA7-SB-4.0-5.0 SL-172-SA7-SB-9.0-10.0)	BARIUM	-	154	75.00-125.00	-	BARIUM	No Qual, >4x

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/9/2012 12:44:04 PM

ADR version 1.4.0.111

Page 1 of 4

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: DE256_v1.

eQAPP Name: CDM_SSFL_110509

Method: 6010B

Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-103-SA7-SB-4.0-5.0MS SL-103-SA7-SB-4.0-5.0MSD (DUP-09-SA7-QC-092711 SL-004-SA5DS-SS-0.0-0.5 SL-005-SA5DS-SS-0.0-0.5 SL-006-SA5DS-SS-0.0-0.5 SL-019-SA5DS-SS-0.0-0.5 SL-020-SA5DS-SS-0.0-0.5 SL-021-SA5DS-SS-0.0-0.5 SL-022-SA5DS-SS-0.0-0.5 SL-023-SA5DS-SS-0.0-0.5 SL-024-SA5DS-SS-0.0-0.5 SL-025-SA5DS-SS-0.0-0.5 SL-038-SA5DS-SS-0.0-0.5 SL-103-SA7-SB-4.0-5.0 SL-103-SA7-SB-9.0-10.0 SL-104-SA7-SB-4.0-5.0 SL-104-SA7-SB-9.0-10.0 SL-105-SA7-SB-4.0-5.0 SL-172-SA7-SB-4.0-5.0 SL-172-SA7-SB-9.0-10.0)	ALUMINUM MAGNESIUM	361 -	988 279	75.00-125.00 75.00-125.00	- -	ALUMINUM MAGNESIUM	No Qual, >4x
SL-103-SA7-SB-4.0-5.0MS SL-103-SA7-SB-4.0-5.0MSD (DUP-09-SA7-QC-092711 SL-004-SA5DS-SS-0.0-0.5 SL-005-SA5DS-SS-0.0-0.5 SL-006-SA5DS-SS-0.0-0.5 SL-019-SA5DS-SS-0.0-0.5 SL-020-SA5DS-SS-0.0-0.5 SL-021-SA5DS-SS-0.0-0.5 SL-022-SA5DS-SS-0.0-0.5 SL-023-SA5DS-SS-0.0-0.5 SL-024-SA5DS-SS-0.0-0.5 SL-025-SA5DS-SS-0.0-0.5 SL-038-SA5DS-SS-0.0-0.5 SL-103-SA7-SB-4.0-5.0 SL-103-SA7-SB-9.0-10.0 SL-104-SA7-SB-4.0-5.0 SL-104-SA7-SB-9.0-10.0 SL-105-SA7-SB-4.0-5.0 SL-172-SA7-SB-4.0-5.0 SL-172-SA7-SB-9.0-10.0)	CALCIUM IRON	-278 -889	-149 837	75.00-125.00 75.00-125.00	- -	CALCIUM IRON	No Qual, >4x
SL-103-SA7-SB-4.0-5.0MS (DUP-09-SA7-QC-092711 SL-004-SA5DS-SS-0.0-0.5 SL-005-SA5DS-SS-0.0-0.5 SL-006-SA5DS-SS-0.0-0.5 SL-019-SA5DS-SS-0.0-0.5 SL-020-SA5DS-SS-0.0-0.5 SL-021-SA5DS-SS-0.0-0.5 SL-022-SA5DS-SS-0.0-0.5 SL-023-SA5DS-SS-0.0-0.5 SL-024-SA5DS-SS-0.0-0.5 SL-025-SA5DS-SS-0.0-0.5 SL-038-SA5DS-SS-0.0-0.5 SL-103-SA7-SB-4.0-5.0 SL-103-SA7-SB-9.0-10.0 SL-104-SA7-SB-4.0-5.0 SL-104-SA7-SB-9.0-10.0 SL-105-SA7-SB-4.0-5.0 SL-172-SA7-SB-4.0-5.0 SL-172-SA7-SB-9.0-10.0)	MANGANESE	54	-	75.00-125.00	-	MANGANESE	No Qual, >4x

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/9/2012 12:44:05 PM

ADR version 1.4.0.111

Page 2 of 4

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: DE256_v1.

eQAPP Name: CDM_SSFL_110509

Method: 300.0

Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-004-SA5DS-SS-0.0-0.5MS (SL-004-SA5DS-SS-0.0-0.5 SL-005-SA5DS-SS-0.0-0.5 SL-006-SA5DS-SS-0.0-0.5 SL-019-SA5DS-SS-0.0-0.5 SL-020-SA5DS-SS-0.0-0.5 SL-021-SA5DS-SS-0.0-0.5 SL-022-SA5DS-SS-0.0-0.5 SL-023-SA5DS-SS-0.0-0.5 SL-024-SA5DS-SS-0.0-0.5 SL-025-SA5DS-SS-0.0-0.5)	FLUORIDE	44	-	80.00-120.00	-	FLUORIDE	J(all detects) UJ(all non-detects)
SL-103-SA7-SB-4.0-5.0MS (DUP-09-SA7-QC-092711 SL-038-SA5DS-SS-0.0-0.5 SL-103-SA7-SB-4.0-5.0 SL-103-SA7-SB-9.0-10.0 SL-104-SA7-SB-4.0-5.0 SL-104-SA7-SB-9.0-10.0 SL-105-SA7-SB-4.0-5.0 SL-172-SA7-SB-4.0-5.0 SL-172-SA7-SB-9.0-10.0)	FLUORIDE	61	-	80.00-120.00	-	FLUORIDE	J(all detects) UJ(all non-detects)

Method: 8270C

Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-103-SA7-SB-4.0-5.0MSD (SL-103-SA7-SB-4.0-5.0)	2,4-DINITROPHENOL 3,3'-DICHLOROBENZIDINE 4-CHLOROANILINE	- - -	- - -	20.00-143.00 28.00-109.00 23.00-95.00	56 (30.00) 43 (30.00) 42 (30.00)	2,4-DINITROPHENOL 3,3'-DICHLOROBENZIDINE 4-CHLOROANILINE	J(all detects)
SL-103-SA7-SB-4.0-5.0MSD (SL-103-SA7-SB-4.0-5.0)	BENZOIC ACID	-	0	10.00-173.00	200 (30.00)	BENZOIC ACID	J(all detects) R(all non-detects)
SL-103-SA7-SB-4.0-5.0MS SL-103-SA7-SB-4.0-5.0MSD (SL-103-SA7-SB-4.0-5.0)	BENZIDINE	21	25	35.00-141.00	-	BENZIDINE	J(all detects) UJ(all non-detects)

Method: 8270C SIM

Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-103-SA7-SB-4.0-5.0MSD (SL-103-SA7-SB-4.0-5.0)	N-NITROSODIMETHYLAMINE	-	277	48.00-113.00	105 (30.00)	N-NITROSODIMETHYLAMINE	J(all detects)
SL-103-SA7-SB-4.0-5.0MS SL-103-SA7-SB-4.0-5.0MSD (SL-103-SA7-SB-4.0-5.0)	BIS(2-ETHYLHEXYL)PHTHALAT	-27	-39	39.00-167.00	-	BIS(2-ETHYLHEXYL)PHTHALA	J(all detects) R(all non-detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: DE256_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1625C

Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-103-SA7-SB-4.0-5.0MS (SL-103-SA7-SB-4.0-5.0)	N-NITROSODIMETHYLAMINE	134	-	70.00-130.00	-	N-NITROSODIMETHYLAMINE	J(all detects)

Method: 6010B

Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-103-SA7-SB-4.0-5.0MS SL-103-SA7-SB-4.0-5.0MSD (DUP -09-SA7-QC-092711 SL -004-SA5DS -SS-0.0-0.5 SL -005-SA5DS -SS-0.0-0.5 SL -006-SA5DS -SS-0.0-0.5 SL -019-SA5DS -SS-0.0-0.5 SL -020-SA5DS -SS-0.0-0.5 SL -021-SA5DS -SS-0.0-0.5 SL -022-SA5DS -SS-0.0-0.5 SL -023-SA5DS -SS-0.0-0.5 SL -024-SA5DS -SS-0.0-0.5 SL -025-SA5DS -SS-0.0-0.5 SL -038-SA5DS -SS-0.0-0.5 SL -103-SA7-SB-4.0-5.0 SL -103-SA7-SB-9.0-10.0 SL -104-SA7-SB-4.0-5.0 SL -104-SA7-SB-9.0-10.0 SL -105-SA7-SB-4.0-5.0 SL -172-SA7-SB-4.0-5.0 SL -172-SA7-SB-9.0-10.0)	TITANIUM	205	230	75.00-125.00	-	TITANIUM	No Qual, >4x

Lab Duplicate Outlier Report

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: DE256_v1.

eQAPP Name: CDM_SSFL_110509

Method: 300.0

Matrix: SO

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
SL-103-SA7-SB-4.0-5.0DUP (DUP-09-SA7-QC-092711 SL -038-SA5DS-SS-0.0-0.5 SL -103-SA7-SB-4.0-5.0 SL -103-SA7-SB-9.0-10.0 SL -104-SA7-SB-4.0-5.0 SL -104-SA7-SB-9.0-10.0 SL -105-SA7-SB-4.0-5.0 SL -172-SA7-SB-4.0-5.0 SL -172-SA7-SB-9.0-10.0)	Nitrate-NO3	28	20.00	No Qual, OK by Difference

Method: 6010B

Matrix: SO

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
SL-103-SA7-SB-4.0-5.0DUP (DUP-09-SA7-QC-092711 SL -004-SA5DS-SS-0.0-0.5 SL -005-SA5DS-SS-0.0-0.5 SL -006-SA5DS-SS-0.0-0.5 SL -019-SA5DS-SS-0.0-0.5 SL -020-SA5DS-SS-0.0-0.5 SL -021-SA5DS-SS-0.0-0.5 SL -022-SA5DS-SS-0.0-0.5 SL -023-SA5DS-SS-0.0-0.5 SL -024-SA5DS-SS-0.0-0.5 SL -025-SA5DS-SS-0.0-0.5 SL -038-SA5DS-SS-0.0-0.5 SL -103-SA7-SB-4.0-5.0 SL -103-SA7-SB-9.0-10.0 SL -104-SA7-SB-4.0-5.0 SL -104-SA7-SB-9.0-10.0 SL -105-SA7-SB-4.0-5.0 SL -172-SA7-SB-4.0-5.0 SL -172-SA7-SB-9.0-10.0)	CALCIUM STRONTIUM Zirconium	38 47 42	20.00 20.00 20.00	J(all detects) UJ(all non-detects) Zr, No Qual, OK by Difference

Lab Duplicate Outlier Report

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: DE256_v1.

eQAPP Name: CDM_SSFL_110509

Method: 6020

Matrix: SO

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
SL-103-SA7-SB-4.0-5.0DUP (DUP-09-SA7-QC-092711 SL -004-SA5DS-SS-0.0-0.5 SL -005-SA5DS-SS-0.0-0.5 SL -006-SA5DS-SS-0.0-0.5 SL -019-SA5DS-SS-0.0-0.5 SL -020-SA5DS-SS-0.0-0.5 SL -021-SA5DS-SS-0.0-0.5 SL -022-SA5DS-SS-0.0-0.5 SL -023-SA5DS-SS-0.0-0.5 SL -024-SA5DS-SS-0.0-0.5 SL -025-SA5DS-SS-0.0-0.5 SL -038-SA5DS-SS-0.0-0.5 SL -103-SA7-SB-4.0-5.0 SL -103-SA7-SB-9.0-10.0 SL -104-SA7-SB-4.0-5.0 SL -104-SA7-SB-9.0-10.0 SL -105-SA7-SB-4.0-5.0 SL -172-SA7-SB-4.0-5.0 SL -172-SA7-SB-9.0-10.0)	ANTIMONY MOLYBDENUM SELENIUM	200 38 42	20.00 20.00 20.00	No Qual, OK by Difference

Method: 7199

Matrix: SO

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
SL-103-SA7-SB-4.0-5.0DUP (DUP-09-SA7-QC-092711 SL -004-SA5DS-SS-0.0-0.5 SL -005-SA5DS-SS-0.0-0.5 SL -006-SA5DS-SS-0.0-0.5 SL -019-SA5DS-SS-0.0-0.5 SL -020-SA5DS-SS-0.0-0.5 SL -021-SA5DS-SS-0.0-0.5 SL -022-SA5DS-SS-0.0-0.5 SL -023-SA5DS-SS-0.0-0.5 SL -024-SA5DS-SS-0.0-0.5 SL -025-SA5DS-SS-0.0-0.5 SL -038-SA5DS-SS-0.0-0.5 SL -103-SA7-SB-4.0-5.0 SL -103-SA7-SB-9.0-10.0 SL -104-SA7-SB-4.0-5.0 SL -104-SA7-SB-9.0-10.0 SL -105-SA7-SB-4.0-5.0 SL -172-SA7-SB-4.0-5.0 SL -172-SA7-SB-9.0-10.0)	HEXAVALENT CHROMIUM	200	20.00	No Qual, OK by Difference

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: DE256_v1.

eQAPP Name: CDM_SSFL_110509

Method: 8330A

Matrix: AQ

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P12766AQ241326A P12766AY241408A (EB-SA7-SB-092711)	Tetryl	71	67	72.00-141.00	-	Tetryl	J (all detects) UJ (all non-detects)

Method: 8270C

Matrix: AQ

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P6WCLCSQ261423 (EB-SA7-SB-092711)	BIS(2-CHLOROETHYL) ETHER NITROBENZENE	109 111	-	77.00-108.00 75.00-109.00	-	BIS(2-CHLOROETHYL) ETHER NITROBENZENE	J(all detects)
P6WCLCSY261448 (EB-SA7-SB-092711)	BENZOIC ACID	-	-	10.00-69.00	82 (30.00)	BENZOIC ACID	J(all detects) UJ(all non-detects)

Method: 8081A

Matrix: SO

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P12799AQ242322A (SL-004-SA5DS-SS-0.0-0.5 SL-005-SA5DS-SS-0.0-0.5 SL-006-SA5DS-SS-0.0-0.5 SL-019-SA5DS-SS-0.0-0.5 SL-020-SA5DS-SS-0.0-0.5 SL-021-SA5DS-SS-0.0-0.5 SL-022-SA5DS-SS-0.0-0.5 SL-023-SA5DS-SS-0.0-0.5 SL-024-SA5DS-SS-0.0-0.5 SL-025-SA5DS-SS-0.0-0.5 SL-038-SA5DS-SS-0.0-0.5)	METHOXYCHLOR	130	-	59.00-125.00	-	METHOXYCHLOR	J(all detects)

Method: 8151A

Matrix: SO

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P12832AQ241743A (SL-038-SA5DS-SS-0.0-0.5)	DINOSEB	8	-	10.00-36.00	-	DINOSEB	J(all detects) R(all non-detects)

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: DE256_v1.

eQAPP Name: CDM_SSFL_110509

Method: 6020

Matrix: SO

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P27226AQ222158A (DUP-09-SA7-QC-092711 SL -004-SA5DS-SS-0.0-0.5 SL -005-SA5DS-SS-0.0-0.5 SL -006-SA5DS-SS-0.0-0.5 SL -019-SA5DS-SS-0.0-0.5 SL -020-SA5DS-SS-0.0-0.5 SL -021-SA5DS-SS-0.0-0.5 SL -022-SA5DS-SS-0.0-0.5 SL -023-SA5DS-SS-0.0-0.5 SL -024-SA5DS-SS-0.0-0.5 SL -025-SA5DS-SS-0.0-0.5 SL -038-SA5DS-SS-0.0-0.5 SL -103-SA7-SB-4.0-5.0 SL -103-SA7-SB-9.0-10.0 SL -104-SA7-SB-4.0-5.0 SL -104-SA7-SB-9.0-10.0 SL -105-SA7-SB-4.0-5.0 SL -172-SA7-SB-4.0-5.0 SL -172-SA7-SB-9.0-10.0)	ANTIMONY	62	-	80.00-120.00	-	ANTIMONY	No Qual, SRM within QC limits

Method: 6010B

Matrix: SO

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P27208AQ220112 (DUP-09-SA7-QC-092711 SL -004-SA5DS-SS-0.0-0.5 SL -005-SA5DS-SS-0.0-0.5 SL -006-SA5DS-SS-0.0-0.5 SL -019-SA5DS-SS-0.0-0.5 SL -020-SA5DS-SS-0.0-0.5 SL -021-SA5DS-SS-0.0-0.5 SL -022-SA5DS-SS-0.0-0.5 SL -023-SA5DS-SS-0.0-0.5 SL -024-SA5DS-SS-0.0-0.5 SL -025-SA5DS-SS-0.0-0.5 SL -038-SA5DS-SS-0.0-0.5 SL -103-SA7-SB-4.0-5.0 SL -103-SA7-SB-9.0-10.0 SL -104-SA7-SB-4.0-5.0 SL -104-SA7-SB-9.0-10.0 SL -105-SA7-SB-4.0-5.0 SL -172-SA7-SB-4.0-5.0 SL -172-SA7-SB-9.0-10.0)	ALUMINUM	143	-	80.00-120.00	-	ALUMINUM	No Qual, SRM within QC limits

Surrogate Outlier Report

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: DE256_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1625C

Matrix: AQ

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
EB-SA7-SB-092711	N-Nitrosodimethylamine-d6	277	50.00-150.00	All Target Analytes	J (all detects)

Method: 8081A

Matrix: SO

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
SL-006-SA5DS-SS-0.0-0.5	DECACHLOROBIPHENYL	127	20.00-120.00	All Target Analytes	J(all detects)
SL-023-SA5DS-SS-0.0-0.5	TETRACHLORO-M-XYLENE	46	50.00-130.00	All Target Analytes	J(all detects) UJ(all non-detects)

Method: 8082

Matrix: SO

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
SL-022-SA5DS-SS-0.0-0.5	DECACHLOROBIPHENYL	123	45.00-120.00	All Target Analytes	J(all detects)
SL-023-SA5DS-SS-0.0-0.5	DECACHLOROBIPHENYL TETRACHLORO-M-XYLENE	155 154	45.00-120.00 53.00-139.00	All Target Analytes	J(all detects)
SL-103-SA7-SB-4.0-5.0	DECACHLOROBIPHENYL TETRACHLORO-M-XYLENE	135 152	45.00-120.00 53.00-139.00	All Target Analytes	J(all detects)

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/9/2012 12:52:56 PM

ADR version 1.4.0.111

Page 1 of 1

Reporting Limit Outliers

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: DE256_v1.

eQAPP Name: CDM_SSFL_110509

Method: 6010B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB-SA7-SB-092711	BORON	J	0.0039	0.0500	PQL	mg/L	J (all detects)
		J	0.00023	0.0050	PQL	mg/L	

Method: 6020

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB-SA7-SB-092711	LEAD	J	0.00013	0.0010	PQL	mg/L	J (all detects)

Method: 7470A

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB-SA7-SB-092711	MERCURY	J	0.000045	0.00020	PQL	mg/L	J (all detects)

Method: 8260B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB-SA7-SB-092711	METHYLENE CHLORIDE	J	3	5	PQL	ug/L	J (all detects)

Method: 8270C SIM

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB-SA7-SB-092711	BIS(2-ETHYLHEXYL)PHTHALATE	J	0.13	1.1	PQL	ug/L	J (all detects)
	Diethylphthalate	J	0.36	1.1	PQL	ug/L	
	Di-n-butylphthalate	J	0.79	1.1	PQL	ug/L	
	Di-n-octylphthalate	J	0.11	1.1	PQL	ug/L	

Method: 300.0

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-105-SA7-SB-4.0-5.0	Nitrate-NO3	J	0.96	1.5	PQL	mg/Kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: DE256_v1.

eQAPP Name: CDM_SSFL_110509

Method: 6010B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP-09-SA7-QC-092711	SODIUM TIN Zirconium	J	81.8	99.1	PQL	mg/Kg	J (all detects)
		J	0.615	9.91	PQL	mg/Kg	
		J	1.13	4.96	PQL	mg/Kg	
SL-004-SA5DS-SS-0.0-0.5	SODIUM TIN	J	93.6	101	PQL	mg/Kg	J (all detects)
		J	1.04	10.1	PQL	mg/Kg	
SL-005-SA5DS-SS-0.0-0.5	SODIUM TIN Zirconium	J	91.1	101	PQL	mg/Kg	J (all detects)
		J	1.06	10.1	PQL	mg/Kg	
		J	3.56	5.03	PQL	mg/Kg	
SL-006-SA5DS-SS-0.0-0.5	SODIUM TIN	J	85.9	97.0	PQL	mg/Kg	J (all detects)
		J	0.816	9.70	PQL	mg/Kg	
SL-019-SA5DS-SS-0.0-0.5	SODIUM TIN	J	86.7	99.7	PQL	mg/Kg	J (all detects)
		J	0.959	9.97	PQL	mg/Kg	
SL-020-SA5DS-SS-0.0-0.5	SODIUM TIN	J	88.1	99.4	PQL	mg/Kg	J (all detects)
		J	0.969	9.94	PQL	mg/Kg	
SL-021-SA5DS-SS-0.0-0.5	SODIUM TIN Zirconium	J	91.3	98.7	PQL	mg/Kg	J (all detects)
		J	1.08	9.87	PQL	mg/Kg	
		J	4.06	4.93	PQL	mg/Kg	
SL-022-SA5DS-SS-0.0-0.5	SODIUM TIN	J	83.9	101	PQL	mg/Kg	J (all detects)
		J	1.03	10.1	PQL	mg/Kg	
SL-023-SA5DS-SS-0.0-0.5	SODIUM TIN	J	98.7	101	PQL	mg/Kg	J (all detects)
		J	1.04	10.1	PQL	mg/Kg	
SL-024-SA5DS-SS-0.0-0.5	TIN	J	0.857	10.1	PQL	mg/Kg	J (all detects)
SL-025-SA5DS-SS-0.0-0.5	SODIUM TIN	J	98.2	101	PQL	mg/Kg	J (all detects)
		J	1.01	10.1	PQL	mg/Kg	
SL-038-SA5DS-SS-0.0-0.5	SODIUM TIN Zirconium	J	85.8	98.8	PQL	mg/Kg	J (all detects)
		J	0.592	9.88	PQL	mg/Kg	
		J	4.84	4.94	PQL	mg/Kg	
SL-103-SA7-SB-4.0-5.0	TIN Zirconium	J	0.840	10.3	PQL	mg/Kg	J (all detects)
		J	1.38	5.14	PQL	mg/Kg	
SL-103-SA7-SB-9.0-10.0	TIN Zirconium	J	0.721	10.6	PQL	mg/Kg	J (all detects)
		J	0.905	5.29	PQL	mg/Kg	
SL-104-SA7-SB-4.0-5.0	SODIUM TIN Zirconium	J	82.2	101	PQL	mg/Kg	J (all detects)
		J	0.751	10.1	PQL	mg/Kg	
		J	1.40	5.07	PQL	mg/Kg	
SL-104-SA7-SB-9.0-10.0	TIN Zirconium	J	0.916	10.6	PQL	mg/Kg	J (all detects)
		J	1.06	5.31	PQL	mg/Kg	
SL-105-SA7-SB-4.0-5.0	SODIUM TIN Zirconium	J	71.3	102	PQL	mg/Kg	J (all detects)
		J	1.02	10.2	PQL	mg/Kg	
		J	0.965	5.11	PQL	mg/Kg	
SL-172-SA7-SB-4.0-5.0	TIN Zirconium	J	0.895	10.4	PQL	mg/Kg	J (all detects)
		J	1.55	5.21	PQL	mg/Kg	
SL-172-SA7-SB-9.0-10.0	TIN Zirconium	J	0.941	10.9	PQL	mg/Kg	J (all detects)
		J	1.23	5.45	PQL	mg/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: DE256_v1.

eQAPP Name: CDM_SSFL_110509

Method: 6020

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP-09-SA7-QC-092711	CADMIUM	J	0.0950	0.100	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.139	0.400	PQL	mg/Kg	
SL-004-SA5DS-SS-0.0-0.5	ANTIMONY	J	0.105	0.201	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.350	0.403	PQL	mg/Kg	
	SILVER	J	0.0252	0.101	PQL	mg/Kg	
SL-005-SA5DS-SS-0.0-0.5	ANTIMONY	J	0.112	0.193	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.244	0.387	PQL	mg/Kg	
	SILVER	J	0.0236	0.0967	PQL	mg/Kg	
SL-006-SA5DS-SS-0.0-0.5	ANTIMONY	J	0.134	0.202	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.178	0.403	PQL	mg/Kg	
	SILVER	J	0.0282	0.101	PQL	mg/Kg	
SL-019-SA5DS-SS-0.0-0.5	ANTIMONY	J	0.0922	0.201	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.190	0.403	PQL	mg/Kg	
	SILVER	J	0.0210	0.101	PQL	mg/Kg	
SL-020-SA5DS-SS-0.0-0.5	ANTIMONY	J	0.107	0.203	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.190	0.406	PQL	mg/Kg	
	SILVER	J	0.0708	0.101	PQL	mg/Kg	
SL-021-SA5DS-SS-0.0-0.5	ANTIMONY	J	0.100	0.197	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.170	0.395	PQL	mg/Kg	
	SILVER	J	0.0207	0.0987	PQL	mg/Kg	
SL-022-SA5DS-SS-0.0-0.5	ANTIMONY	J	0.108	0.202	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.217	0.403	PQL	mg/Kg	
	SILVER	J	0.0204	0.101	PQL	mg/Kg	
SL-023-SA5DS-SS-0.0-0.5	ANTIMONY	J	0.111	0.202	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.259	0.404	PQL	mg/Kg	
	SILVER	J	0.0152	0.101	PQL	mg/Kg	
SL-024-SA5DS-SS-0.0-0.5	ANTIMONY	J	0.119	0.199	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.170	0.399	PQL	mg/Kg	
	SILVER	J	0.0169	0.0996	PQL	mg/Kg	
SL-025-SA5DS-SS-0.0-0.5	ANTIMONY	J	0.133	0.194	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.188	0.389	PQL	mg/Kg	
	SILVER	J	0.0162	0.0972	PQL	mg/Kg	
SL-038-SA5DS-SS-0.0-0.5	ANTIMONY	J	0.122	0.202	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.292	0.403	PQL	mg/Kg	
	SILVER	J	0.0234	0.101	PQL	mg/Kg	
SL-103-SA7-SB-4.0-5.0	ANTIMONY	J	0.0944	0.210	PQL	mg/Kg	J (all detects)
	CADMIUM	J	0.0906	0.105	PQL	mg/Kg	
	SELENIUM	J	0.160	0.419	PQL	mg/Kg	
	SILVER	J	0.0234	0.105	PQL	mg/Kg	
SL-103-SA7-SB-9.0-10.0	CADMIUM	J	0.0962	0.109	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.113	0.436	PQL	mg/Kg	
	SILVER	J	0.0182	0.109	PQL	mg/Kg	
SL-104-SA7-SB-4.0-5.0	CADMIUM	J	0.0978	0.101	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.135	0.406	PQL	mg/Kg	
	SILVER	J	0.0200	0.101	PQL	mg/Kg	
SL-104-SA7-SB-9.0-10.0	CADMIUM	J	0.102	0.105	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.101	0.420	PQL	mg/Kg	
	SILVER	J	0.0221	0.105	PQL	mg/Kg	

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/9/2012 12:56:35 PM

ADR version 1.4.0.111

Page 3 of 8

Reporting Limit Outliers

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: DE256_v1.

eQAPP Name: CDM_SSFL_110509

Method: 6020

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-105-SA7-SB-4.0-5.0	CADMIUM SELENIUM SILVER	J	0.0921	0.103	PQL	mg/Kg	J (all detects)
		J	0.142	0.413	PQL	mg/Kg	
		J	0.0154	0.103	PQL	mg/Kg	
SL-172-SA7-SB-4.0-5.0	SELENIUM SILVER	J	0.160	0.430	PQL	mg/Kg	J (all detects)
		J	0.0248	0.107	PQL	mg/Kg	
SL-172-SA7-SB-9.0-10.0	SELENIUM SILVER	J	0.126	0.428	PQL	mg/Kg	J (all detects)
		J	0.0224	0.107	PQL	mg/Kg	

Method: 7199

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-004-SA5DS-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.97	1.0	PQL	mg/Kg	J (all detects)
SL-005-SA5DS-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.92	1.0	PQL	mg/Kg	J (all detects)
SL-021-SA5DS-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.65	1.0	PQL	mg/Kg	J (all detects)
SL-022-SA5DS-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.56	1.0	PQL	mg/Kg	J (all detects)
SL-024-SA5DS-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.67	1.0	PQL	mg/Kg	J (all detects)
SL-025-SA5DS-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.86	1.0	PQL	mg/Kg	J (all detects)

Method: 7471A

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP-09-SA7-QC-092711	MERCURY	J	0.0079	0.101	PQL	mg/Kg	J (all detects)
SL-004-SA5DS-SS-0.0-0.5	MERCURY	J	0.0103	0.101	PQL	mg/Kg	J (all detects)
SL-005-SA5DS-SS-0.0-0.5	MERCURY	J	0.0074	0.0945	PQL	mg/Kg	J (all detects)
SL-006-SA5DS-SS-0.0-0.5	MERCURY	J	0.0109	0.0963	PQL	mg/Kg	J (all detects)
SL-019-SA5DS-SS-0.0-0.5	MERCURY	J	0.0135	0.0991	PQL	mg/Kg	J (all detects)
SL-020-SA5DS-SS-0.0-0.5	MERCURY	J	0.0088	0.0959	PQL	mg/Kg	J (all detects)
SL-021-SA5DS-SS-0.0-0.5	MERCURY	J	0.0115	0.0972	PQL	mg/Kg	J (all detects)
SL-022-SA5DS-SS-0.0-0.5	MERCURY	J	0.0193	0.0997	PQL	mg/Kg	J (all detects)
SL-023-SA5DS-SS-0.0-0.5	MERCURY	J	0.0118	0.0967	PQL	mg/Kg	J (all detects)
SL-024-SA5DS-SS-0.0-0.5	MERCURY	J	0.0098	0.100	PQL	mg/Kg	J (all detects)
SL-025-SA5DS-SS-0.0-0.5	MERCURY	J	0.0098	0.0963	PQL	mg/Kg	J (all detects)
SL-038-SA5DS-SS-0.0-0.5	MERCURY	J	0.0877	0.0977	PQL	mg/Kg	J (all detects)
SL-172-SA7-SB-4.0-5.0	MERCURY	J	0.0079	0.105	PQL	mg/Kg	J (all detects)
SL-172-SA7-SB-9.0-10.0	MERCURY	J	0.0490	0.105	PQL	mg/Kg	J (all detects)

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/9/2012 12:56:35 PM

ADR version 1.4.0.111

Page 4 of 8

Reporting Limit Outliers

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: DE256_v1.

eQAPP Name: CDM_SSFL_110509

Method: 7471A

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
----------	---------	----------	--------	-----------------	---------	-------	------

Method: 8015M

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-103-SA7-SB-4.0-5.0	EFH (C15-C20)	J	0.60	1.3	PQL	mg/Kg	J (all detects)
SL-103-SA7-SB-9.0-10.0	EFH (C15-C20)	J	0.44	1.3	PQL	mg/Kg	J (all detects)
SL-104-SA7-SB-4.0-5.0	EFH (C15-C20)	J	0.53	1.3	PQL	mg/Kg	J (all detects)
SL-105-SA7-SB-4.0-5.0	EFH (C15-C20)	J	0.45	1.2	PQL	mg/Kg	J (all detects)

Method: 8081A

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-019-SA5DS-SS-0.0-0.5	4,4'-DDE ENDRIN ALDEHYDE	J	0.23	0.34	PQL	ug/Kg	J (all detects)
		J	0.086	0.34	PQL	ug/Kg	
SL-020-SA5DS-SS-0.0-0.5	Chlordane	J	2.9	3.4	PQL	ug/Kg	J (all detects)
SL-021-SA5DS-SS-0.0-0.5	Chlordane TOXAPHENE	J	1.6	3.4	PQL	ug/Kg	J (all detects)
		J	2.6	6.7	PQL	ug/Kg	
SL-022-SA5DS-SS-0.0-0.5	DELTA-BHC ENDRIN KETONE	J	0.046	0.17	PQL	ug/Kg	J (all detects)
		J	0.097	0.34	PQL	ug/Kg	
SL-023-SA5DS-SS-0.0-0.5	4,4'-DDE Chlordane	J	0.25	0.35	PQL	ug/Kg	J (all detects)
		J	1.8	3.5	PQL	ug/Kg	
SL-025-SA5DS-SS-0.0-0.5	BETA-BHC Chlordane	J	0.079	0.17	PQL	ug/Kg	J (all detects)
		J	2.5	3.5	PQL	ug/Kg	
SL-038-SA5DS-SS-0.0-0.5	Chlordane	J	1.1	3.5	PQL	ug/Kg	J (all detects)

Method: 8082

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-004-SA5DS-SS-0.0-0.5	AROCLOR 1254 AROCLOR 1260 Aroclor 5460	J	0.51	1.7	PQL	ug/Kg	J (all detects)
		J	0.67	1.7	PQL	ug/Kg	
		J	1.2	3.4	PQL	ug/Kg	
SL-006-SA5DS-SS-0.0-0.5	AROCLOR 1254 AROCLOR 1260 Aroclor 5460	J	1.2	1.7	PQL	ug/Kg	J (all detects)
		J	1.0	1.7	PQL	ug/Kg	
		J	1.9	3.4	PQL	ug/Kg	
SL-019-SA5DS-SS-0.0-0.5	AROCLOR 1260	J	0.52	1.7	PQL	ug/Kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: DE256_v1.

eQAPP Name: CDM_SSFL_110509

Method: 8082

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-020-SA5DS-SS-0.0-0.5	AROCLOR 1254	J	1.2	1.7	PQL	ug/Kg	J (all detects)
	AROCLOR 1260	J	0.87	1.7	PQL	ug/Kg	
	Aroclor 5460	J	2.0	3.3	PQL	ug/Kg	
SL-021-SA5DS-SS-0.0-0.5	AROCLOR 1254	J	0.89	1.7	PQL	ug/Kg	J (all detects)
	AROCLOR 1260	J	0.71	1.7	PQL	ug/Kg	
	Aroclor 5460	J	1.6	3.3	PQL	ug/Kg	
SL-022-SA5DS-SS-0.0-0.5	AROCLOR 1254	J	1.2	1.7	PQL	ug/Kg	J (all detects)
	AROCLOR 1260	J	0.97	1.7	PQL	ug/Kg	
	Aroclor 5460	J	2.0	3.4	PQL	ug/Kg	
SL-023-SA5DS-SS-0.0-0.5	AROCLOR 1254	J	0.64	1.7	PQL	ug/Kg	J (all detects)
	AROCLOR 1260	J	0.75	1.7	PQL	ug/Kg	
	Aroclor 5460	J	1.6	3.4	PQL	ug/Kg	
SL-024-SA5DS-SS-0.0-0.5	AROCLOR 1254	J	0.89	1.7	PQL	ug/Kg	J (all detects)
	Aroclor 5460	J	1.3	3.3	PQL	ug/Kg	
SL-025-SA5DS-SS-0.0-0.5	Aroclor 5460	J	1.3	3.3	PQL	ug/Kg	J (all detects)
SL-038-SA5DS-SS-0.0-0.5	AROCLOR 1242	J	0.72	1.7	PQL	ug/Kg	J (all detects)
SL-103-SA7-SB-4.0-5.0	AROCLOR 1260	J	0.47	1.8	PQL	ug/Kg	J (all detects)
SL-104-SA7-SB-4.0-5.0	AROCLOR 1260	J	0.90	1.8	PQL	ug/Kg	J (all detects)
SL-104-SA7-SB-9.0-10.0	AROCLOR 1260	J	0.47	1.8	PQL	ug/Kg	J (all detects)
SL-105-SA7-SB-4.0-5.0	AROCLOR 1260	J	0.75	1.7	PQL	ug/Kg	J (all detects)
SL-172-SA7-SB-4.0-5.0	AROCLOR 1260	J	0.76	1.8	PQL	ug/Kg	J (all detects)

Method: 8151A

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-006-SA5DS-SS-0.0-0.5	2,4-D	J	2.0	3.7	PQL	ug/Kg	J (all detects)
SL-021-SA5DS-SS-0.0-0.5	2,4,5-TP (Silvex)	J	0.13	0.17	PQL	ug/Kg	J (all detects)
SL-038-SA5DS-SS-0.0-0.5	2,4,5-TP (Silvex)	J	0.090	0.17	PQL	ug/Kg	J (all detects)
	DICAMBA	J	0.61	1.2	PQL	ug/Kg	
	DICHLOROPROP	J	1.6	1.7	PQL	ug/Kg	

Method: 8270C

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP-09-SA7-QC-092711	Di-n-butylphthalate	J	35	170	PQL	ug/Kg	J (all detects)
SL-005-SA5DS-SS-0.0-0.5	BIS(2-ETHYLHEXYL)PHthalate	J	19	340	PQL	ug/Kg	J (all detects)
SL-006-SA5DS-SS-0.0-0.5	BIS(2-ETHYLHEXYL)PHthalate	J	51	340	PQL	ug/Kg	J (all detects)
SL-024-SA5DS-SS-0.0-0.5	BIS(2-ETHYLHEXYL)PHthalate	J	18	340	PQL	ug/Kg	J (all detects)

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/9/2012 12:56:35 PM

ADR version 1.4.0.111

Page 6 of 8

Reporting Limit Outliers

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: DE256_v1.

eQAPP Name: CDM_SSFL_110509

Method: 8270C SIM

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP-09-SA7-QC-092711	BENZO(A)ANTHRACENE	J	0.76	1.7	PQL	ug/Kg	J (all detects)
	BENZO(A)PYRENE	J	1.0	1.7	PQL	ug/Kg	
	BENZO(G,H,I)PERYLENE	J	1.0	1.7	PQL	ug/Kg	
	CHRYSENE	J	1.5	1.7	PQL	ug/Kg	
	FLUORANTHENE	J	1.0	1.7	PQL	ug/Kg	
	PYRENE	J	1.5	1.7	PQL	ug/Kg	
SL-004-SA5DS-SS-0.0-0.5	1-METHYLNAPHTHALENE	J	0.78	1.7	PQL	ug/Kg	J (all detects)
	2-METHYLNAPHTHALENE	J	1.2	1.7	PQL	ug/Kg	
	BENZO(A)ANTHRACENE	J	0.81	1.7	PQL	ug/Kg	
	BENZO(A)PYRENE	J	1.6	1.7	PQL	ug/Kg	
	BENZO(G,H,I)PERYLENE	J	1.1	1.7	PQL	ug/Kg	
	BIS(2-ETHYLHEXYL)PHTHALATE	J	12	18	PQL	ug/Kg	
SL-005-SA5DS-SS-0.0-0.5	INDENO(1,2,3-CD)PYRENE	J	1.1	1.7	PQL	ug/Kg	J (all detects)
	BENZO(A)ANTHRACENE	J	0.76	1.7	PQL	ug/Kg	
	BENZO(A)PYRENE	J	1.0	1.7	PQL	ug/Kg	
	CHRYSENE	J	1.4	1.7	PQL	ug/Kg	
	NAPHTHALENE	J	0.71	1.7	PQL	ug/Kg	
	PHENANTHRENE	J	1.1	1.7	PQL	ug/Kg	
SL-006-SA5DS-SS-0.0-0.5	1-METHYLNAPHTHALENE	J	1.2	1.7	PQL	ug/Kg	J (all detects)
	BENZO(A)ANTHRACENE	J	0.78	1.7	PQL	ug/Kg	
	BENZO(A)PYRENE	J	1.2	1.7	PQL	ug/Kg	
	BENZO(G,H,I)PERYLENE	J	0.73	1.7	PQL	ug/Kg	
SL-019-SA5DS-SS-0.0-0.5	BENZO(B)FLUORANTHENE	J	1.4	1.7	PQL	ug/Kg	J (all detects)
	CHRYSENE	J	0.36	1.7	PQL	ug/Kg	
SL-020-SA5DS-SS-0.0-0.5	BENZO(A)ANTHRACENE	J	0.76	1.7	PQL	ug/Kg	J (all detects)
	BENZO(A)PYRENE	J	1.1	1.7	PQL	ug/Kg	
	BENZO(G,H,I)PERYLENE	J	0.71	1.7	PQL	ug/Kg	
	BIS(2-ETHYLHEXYL)PHTHALATE	J	16	18	PQL	ug/Kg	
	Butylbenzylphthalate	J	6.6	18	PQL	ug/Kg	
	NAPHTHALENE	J	1.0	1.7	PQL	ug/Kg	
	PHENANTHRENE	J	1.0	1.7	PQL	ug/Kg	
	PYRENE	J	1.6	1.7	PQL	ug/Kg	
SL-021-SA5DS-SS-0.0-0.5	BIS(2-ETHYLHEXYL)PHTHALATE	J	7.1	18	PQL	ug/Kg	J (all detects)
	CHRYSENE	J	0.93	1.7	PQL	ug/Kg	
	FLUORANTHENE	J	0.98	1.7	PQL	ug/Kg	
	PHENANTHRENE	J	0.76	1.7	PQL	ug/Kg	
	PYRENE	J	0.86	1.7	PQL	ug/Kg	
SL-022-SA5DS-SS-0.0-0.5	BENZO(A)ANTHRACENE	J	1.1	1.7	PQL	ug/Kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	1.1	1.7	PQL	ug/Kg	
	Butylbenzylphthalate	J	10	18	PQL	ug/Kg	
	INDENO(1,2,3-CD)PYRENE	J	0.89	1.7	PQL	ug/Kg	
	NAPHTHALENE	J	0.87	1.7	PQL	ug/Kg	
SL-023-SA5DS-SS-0.0-0.5	BENZO(A)ANTHRACENE	J	1.5	1.7	PQL	ug/Kg	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.90	1.7	PQL	ug/Kg	
	BIS(2-ETHYLHEXYL)PHTHALATE	J	6.6	18	PQL	ug/Kg	
	CHRYSENE	J	1.6	1.7	PQL	ug/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DE256

Laboratory: LL

EDD Filename: DE256_v1.

eQAPP Name: CDM_SSFL_110509

Method: 8270C SIM

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-024-SA5DS-SS-0.0-0.5	2-METHYLNAPHTHALENE	J	0.71	1.7	PQL	ug/Kg	J (all detects)
	BENZO(A)PYRENE	J	0.79	1.7	PQL	ug/Kg	
	BENZO(G,H,I)PERYLENE	J	1.0	1.7	PQL	ug/Kg	
	CHRYSENE	J	1.4	1.7	PQL	ug/Kg	
	INDENO(1,2,3-CD)PYRENE	J	0.70	1.7	PQL	ug/Kg	
	NAPHTHALENE	J	1.6	1.7	PQL	ug/Kg	
	PHENANTHRENE	J	1.3	1.7	PQL	ug/Kg	
	PYRENE	J	1.5	1.7	PQL	ug/Kg	
SL-025-SA5DS-SS-0.0-0.5	BENZO(A)ANTHRACENE	J	1.1	1.7	PQL	ug/Kg	J (all detects)
	BENZO(A)PYRENE	J	1.5	1.7	PQL	ug/Kg	
	BENZO(G,H,I)PERYLENE	J	1.4	1.7	PQL	ug/Kg	
	Butylbenzylphthalate	J	6.6	18	PQL	ug/Kg	
	INDENO(1,2,3-CD)PYRENE	J	1.1	1.7	PQL	ug/Kg	
	NAPHTHALENE	J	0.74	1.7	PQL	ug/Kg	
	PHENANTHRENE	J	1.5	1.7	PQL	ug/Kg	
SL-038-SA5DS-SS-0.0-0.5	BIS(2-ETHYLHEXYL)PHTHALATE	J	11	19	PQL	ug/Kg	J (all detects)
	CHRYSENE	J	0.78	1.7	PQL	ug/Kg	
	FLUORANTHENE	J	0.92	1.7	PQL	ug/Kg	
	PYRENE	J	0.89	1.7	PQL	ug/Kg	
SL-103-SA7-SB-4.0-5.0	CHRYSENE	J	0.48	1.7	PQL	ug/Kg	J (all detects)
SL-103-SA7-SB-9.0-10.0	BENZO(B)FLUORANTHENE	J	0.91	1.8	PQL	ug/Kg	J (all detects)
SL-104-SA7-SB-4.0-5.0	BENZO(A)PYRENE	J	0.75	1.7	PQL	ug/Kg	J (all detects)
	BENZO(B)FLUORANTHENE	J	1.2	1.7	PQL	ug/Kg	
	BIS(2-ETHYLHEXYL)PHTHALATE	J	6.3	19	PQL	ug/Kg	
	CHRYSENE	J	0.76	1.7	PQL	ug/Kg	
	PYRENE	J	0.98	1.7	PQL	ug/Kg	
SL-104-SA7-SB-9.0-10.0	BENZO(B)FLUORANTHENE	J	0.72	1.7	PQL	ug/Kg	J (all detects)
SL-105-SA7-SB-4.0-5.0	BENZO(G,H,I)PERYLENE	J	0.87	1.7	PQL	ug/Kg	J (all detects)
	CHRYSENE	J	1.5	1.7	PQL	ug/Kg	
SL-172-SA7-SB-4.0-5.0	BENZO(B)FLUORANTHENE	J	1.2	1.8	PQL	ug/Kg	J (all detects)
	CHRYSENE	J	0.50	1.8	PQL	ug/Kg	
SL-172-SA7-SB-9.0-10.0	BENZO(B)FLUORANTHENE	J	0.74	1.8	PQL	ug/Kg	J (all detects)

LDC #: 26859Z4

VALIDATION COMPLETENESS WORKSHEET

SDG #: DE256

ADR

Laboratory: Lancaster Laboratories

Date: 1/4/12

Page: 1 of 1

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: Metals (EPA SW 846 Method 6010B/6020A/7000)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	N	Sampling dates:
II.	ICP/MS Tune	N	
III.	Calibration	N	
IV.	Blanks	SW	
V.	ICP Interference Check Sample (ICS) Analysis	N	
VI.	Matrix Spike Analysis	N SW	Al, Ba, Ca, Fe, Mg, Mn, Ti, > 4X
VII.	Duplicate Sample Analysis	N SW	Sb, Mo, Se, Zr < 5X
VIII.	Laboratory Control Samples (LCS)	N A	SRM
IX.	Internal Standard (ICP-MS)	N	
X.	Furnace Atomic Absorption QC	N	
XI.	ICP Serial Dilution	A	
XII.	Sample Result Verification	N	
XIII.	Overall Assessment of Data	N	
XIV.	Field Duplicates	-	
XV.	Field Blanks	SW	EB=20

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples:

1	SL-004-SA5DS-SS-0.0-0.5	11	SL-038-SA5DS-SS-0.0-0.5	21	SL-103-SA7-SB-4.0-5.0MS	31	
2	SL-005-SA5DS-SS-0.0-0.5	12	SL-103-SA7-SB-4.0-5.0	22	SL-103-SA7-SB-4.0-5.0MSD	32	
3	SL-006-SA5DS-SS-0.0-0.5	13	SL-103-SA7-SB-9.0-10.0	23	SL-103-SA7-SB-4.0-5.0DUP	33	
4	SL-019-SA5DS-SS-0.0-0.5	14	SL-104-SA7-SB-4.0-5.0	24		34	
5	SL-020-SA5DS-SS-0.0-0.5	15	SL-104-SA7-SB-9.0-10.0	25		35	
6	SL-021-SA5DS-SS-0.0-0.5	16	SL-105-SA7-SB-4.0-5.0	26		36	
7	SL-022-SA5DS-SS-0.0-0.5	17	SL-172-SA7-SB-4.0-5.0	27		37	
8	SL-023-SA5DS-SS-0.0-0.5	18	SL-172-SA7-SB-9.0-10.0	28		38	
9	SL-024-SA5DS-SS-0.0-0.5	19	DUP-09-SA7-QC-092711	29		39	
10	SL-025-SA5DS-SS-0.0-0.5	20	EB-SA7-SB-092711	30		40	

Notes: _____

METHOD: Trace metals (EPA SW 864 Method 6010B/6020/7000)

Soil preparation factor applied: 100X

Sample Concentration units, unless otherwise noted: ug/L

Associated Samples: All AQ

Reason: B

Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (ug/L)	Maximum ICB/CCB ^a (ug/L)	Action Limit									
Pb			0.061	0.305	0.13								
Hg			0.036	0.18	0.045								

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U". Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 26859Z4

VALIDATION FINDINGS WORKSHEET Field Blanks

Page: 1 of 1
 Reviewer: [Signature]
 2nd Reviewer: [Signature]

METHOD: Trace Metals (EPA SW846 6010B/6020/7000)

☒ Y ☐ N ☐ N/A Were field blanks identified in this SDG?

☒ Y ☐ N ☐ N/A Were target analytes detected in the field blanks?

Blank units: ug/L **Associated sample units:** mg/Kg

Sampling date: 9/27/11 **Soil factor applied:** 100X, Hg:167X

Field blank type: (circle one) Field Blank / Rinsate / Other: Field Blank

Associated Samples: Alt Soil-0 **Reason Code:** F

Analyte	Blank ID	Sample Identification									
		1	2	3	4	5	6	7	8	9	10
	20	1									
B	3.9										
Pb	0.13										
Hg	0.045	0.010	0.0074	0.011	0.014	0.0008	0.012	0.019	0.042	0.0008	0.0079
Sr	0.23										

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Samples with analyte concentrations within five times the associated field blank concentration are listed above, these sample results were qualified as not detected, "U".



QUALITY ASSURANCE SUMMARY
FORM 5A (MS/MSD)
MATRIX SPIKE/MATRIX SPIKE DUPLICATE
SDG No.: DE256
Matrix: SOIL Level (low/med): LOW

Background Lab Sample ID: 6421299BKG Matrix Spike Lab Sample ID: 6421300MS Matrix Spike Duplicate Lab Sample ID: 6421301MSD
& Solids for Sample: 95.4
Batch Id(s): P27208A, P27226A, P27211A, P28408B

Analyte	Mass	BKG Sample		MS Sample		MSD Sample		MS Spike Added	MSD Spike Added	Units	MS		MSD		Control Limit	
		Result	C	Result	C	Result	C				%R	Q	%R	Q	%R	RPD M
Aluminum		13667.8290		14417.2510		15679.3002		207.5679	203.5375	MG/KG	361		988		747	8
Antimony	121	0.0944	B	0.5289		0.4602		1.2454	1.2095	MG/KG	35	N	30	N	75 - 125	20MS
Arsenic	75	3.8470		5.9800		5.9708		2.0757	2.0158	MG/KG	103		105		75 - 125	20MS
Barium	137	76.5199		88.4862		92.0618		10.3784	10.0790	MG/KG	115		154		747	4
Beryllium	9	0.5000		1.2116		1.1883		0.8303	0.8063	MG/KG	86		85		75 - 125	20MS
Boron		6.9275		201.0389		203.4785		207.5679	203.5375	MG/KG	94		97		84 - 115	20P
Cadmium	111	0.0906	B	1.1460		1.0817		1.0378	1.0079	MG/KG	102		98		75 - 125	20MS
Calcium		5169.9973		4015.4742		4565.1981		415.1358	407.0750	MG/KG	-278		-149		747	13
Chromium	52	15.1321		24.4307		23.5043		10.3784	10.0790	MG/KG	90		83		75 - 125	20MS
Cobalt	59	4.7526		53.2204		51.1006		51.8920	50.3951	MG/KG	93		92		75 - 125	20MS
Copper	63	7.1447		17.5914		16.0881		10.3784	10.0790	MG/KG	101		89		75 - 125	20MS
Iron		18270.9705		17348.3218		19123.2257		103.7840	101.7687	MG/KG	-889		837		747	10
Lead	208	4.7966		7.9955		7.6681		3.1135	3.0237	MG/KG	103		95		75 - 125	20MS
Lithium		23.5346		124.3716		126.1719		103.7840	101.7687	MG/KG	97		101		82 - 114	20P
Magnesium		4198.1502		4405.2546		4765.9431		207.5679	203.5375	MG/KG	100		279		747	8
Manganese		258.6437		286.4323		308.4387		51.8920	50.8844	MG/KG	54		98		747	7
Mercury		0.0073	U	0.1725		0.1734		0.1691	0.1741	MG/KG	102		100		65 - 135	20CV
Molybdenum	98	0.6149		10.1750		9.8332		10.3784	10.0790	MG/KG	92		92		75 - 125	20MS
Nickel	60	9.3354		20.0033		18.7409		10.3784	10.0790	MG/KG	103		93		75 - 125	20MS
Phosphorus		355.8628		434.1688		449.1126		103.7840	101.7687	MG/KG	75		92		75 - 125	20P
Potassium		2674.5468		3778.4513		3942.8457		1037.8396	1017.6874	MG/KG	106		125		75 - 125	20P
Selenium	78	0.1604	B	2.1006		2.1005		2.0757	2.0158	MG/KG	93		96		75 - 125	20MS
Silver	107	0.0234	B	10.1874		9.7867		10.3784	10.0790	MG/KG	98		97		75 - 125	20MS
Sodium		103.0881		1021.7407		1043.8348		1037.8396	1017.6874	MG/KG	89		92		75 - 125	20P
Strontium		26.1572		115.0310		117.7230		103.7840	101.7687	MG/KG	86		90		75 - 115	20P
Thallium	203	0.2400		0.6557		0.6152		0.4151	0.4032	MG/KG	100		93		75 - 125	20MS
Tin		0.8396	B	360.8755		359.7861		415.1358	407.0750	MG/KG	87		88		80 - 110	20P
Titanium		1054.7817		1261.5163		1293.9919		100.7902	103.7840	MG/KG	205		230		747	3
Vanadium	51	30.5241		39.9568		39.3888		10.3784	10.0790	MG/KG	91		88		75 - 125	20MS
Zinc	66	52.8931		64.5744		61.2603		10.3784	10.0790	MG/KG	113		83			20MS
Zirconium		1.3812	B	101.3886		101.2283		103.7840	101.7687	MG/KG	96		98		81 - 110	20P

METHODS:

P = ICP Atomic Emission Spectrometer CV = Cold Vapor
MS = ICP-MS Mass Spectrometry AF = Cold Vapor Atomic Fluorescence

CONCENTRATION QUALIFIERS:

U = Below MDL, B = Below LOQ

FLAGS:

N = Matrix Spike OOS, * = Duplicate OOS



QUALITY ASSURANCE SUMMARY

FORM 6

DUPLICATES

SDG No.: DE256

Matrix: SOIL

Level (low/med): LOW

Background Lab Sample ID: 6421299BKG

% Solids for Duplicate: 95.2

Batch ID(s): P27208A, P27226A, P27211A, P28408B

Concentration Units: MG/KG

Duplicate Lab Sample ID: 6421302DUP

% Solids for Sample: 95.4

Analyte	Mass	Control Limit	Samples (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum			13667.8290		13449.7437		2		P
Antimony	121		0.0944	B	0.0760	U	280		MS
Arsenic	75		3.8470		3.7777		2		MS
Barium	137		76.5199		80.0140		4		MS
Beryllium	9	0.1	0.5000		0.4692		6		MS
Boron		5.1	6.9275		6.5467		6		P
Cadmium	111		0.0906	B	0.0789	B	14		MS
Calcium			5169.9973		3501.8141		38	*	P
Chromium	52		15.1321		14.1345		7		MS
Cobalt	59		4.7526		4.8218		1		MS
Copper	63		7.1447		6.7682		5		MS
Iron			18270.9705		18669.9141		2		P
Lead	208		4.7966		4.4971		6		MS
Lithium			23.5346		25.1479		7		P
Magnesium			4198.1502		4437.6590		6		P
Manganese			258.6437		247.6088		4		P
Mercury			0.0073	U	0.0074	U			CV
Molybdenum	98	0.1	0.6149		0.4203		38	*	MS
Nickel	60		9.3354		9.1565		2		MS
Phosphorus			355.8628		329.2214		8		P
Potassium			2674.5468		2874.8075		7		P
Selenium	78		0.1604	B	0.1048	B	42		MS
Silver	107		0.0234	B	0.0240	B	3		MS
Sodium		102.8	103.0881		95.8538	B	7		P
Strontium			26.1572		16.1571		47	*	P
Thallium	203	0.1	0.2400		0.2234		7		MS
Tin			0.8396	B	0.7877	B	6		P
Titanium			1054.7817		1070.9829		2		P
Vanadium	51		30.5241		29.1240		5		MS
Zinc	66		52.8931		55.2473		4		MS
Zirconium			1.3812	B	2.1193	B	42		P

NOTE: An asterisk (*) in column "Q" indicates poor duplicate precision (RPD > 20% OR |(S) - (D)| > LOQ for values < 5x LOQ).

The data are considered to be valid because the laboratory control sample is within the control limits. See the Laboratory Control Sample.

ok by
L. H. H. H.

DE256 5728

METHODS:

P = ICP Atomic Emission Spectrometer
MS = ICP Mass Spectrometry
CV = Cold Vapor
AF = Cold Vapor Atomic Fluorescence

CONCENTRATION QUALIFIERS:

U= Below MDL
B= Below LOQ

FLAGS:

* = Duplicate Out of Spec

SAMPLE DELIVERY GROUP

DE257

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
28-Sep-2011	SL-008-SA5DS-SS-0.0-0.5	6422530	N	3050B	6010B	III
28-Sep-2011	SL-008-SA5DS-SS-0.0-0.5	6422530	N	3050B	6020	III
28-Sep-2011	SL-008-SA5DS-SS-0.0-0.5	6422530	N	3550B	8081A	III
28-Sep-2011	SL-008-SA5DS-SS-0.0-0.5	6422530	N	3550B	8082	III
28-Sep-2011	SL-008-SA5DS-SS-0.0-0.5	6422530	N	3550B	8151A	III
28-Sep-2011	SL-008-SA5DS-SS-0.0-0.5	6422530	N	3550B	8270C	III
28-Sep-2011	SL-008-SA5DS-SS-0.0-0.5	6422530	N	3550B	8270C SIM	III
28-Sep-2011	SL-008-SA5DS-SS-0.0-0.5	6422530	N	Gen Prep	7199	III
28-Sep-2011	SL-008-SA5DS-SS-0.0-0.5	6422530	N	METHOD	300.0	III
28-Sep-2011	SL-008-SA5DS-SS-0.0-0.5	6422530	N	METHOD	314.0	III
28-Sep-2011	SL-008-SA5DS-SS-0.0-0.5	6422530	N	METHOD	6850	III
28-Sep-2011	SL-008-SA5DS-SS-0.0-0.5	6422530	N	METHOD	7471A	III
28-Sep-2011	SL-007-SA5DS-SS-0.0-0.5	6422529	N	3050B	6010B	III
28-Sep-2011	SL-007-SA5DS-SS-0.0-0.5	6422529	N	3050B	6020	III
28-Sep-2011	SL-007-SA5DS-SS-0.0-0.5	6422529	N	3550B	8081A	III
28-Sep-2011	SL-007-SA5DS-SS-0.0-0.5	6422529	N	3550B	8082	III
28-Sep-2011	SL-007-SA5DS-SS-0.0-0.5	6422529	N	3550B	8151A	III
28-Sep-2011	SL-007-SA5DS-SS-0.0-0.5	6422529	N	3550B	8270C	III
28-Sep-2011	SL-007-SA5DS-SS-0.0-0.5	6422529	N	3550B	8270C SIM	III
28-Sep-2011	SL-007-SA5DS-SS-0.0-0.5	6422529	N	Gen Prep	7199	III
28-Sep-2011	SL-007-SA5DS-SS-0.0-0.5	6422529	N	METHOD	300.0	III
28-Sep-2011	SL-007-SA5DS-SS-0.0-0.5	6422529	N	METHOD	314.0	III
28-Sep-2011	SL-007-SA5DS-SS-0.0-0.5	6422529	N	METHOD	7471A	III
28-Sep-2011	SL-010-SA5DS-SS-0.0-0.5	6422532	N	3050B	6010B	III
28-Sep-2011	SL-010-SA5DS-SS-0.0-0.5	6422532	N	3050B	6020	III
28-Sep-2011	SL-010-SA5DS-SS-0.0-0.5	6422532	N	3550B	8081A	III

III = EPA Level 3 Data Review
IV = EPA Level 4 Data Validation

N = Normal Sample
FD = Field Duplicate

TB = Trip Blank
FB = Field Blank

MS = Matrix Spike
MSD = Matrix Spike Duplicate

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
28-Sep-2011	SL-010-SA5DS-SS-0.0-0.5	6422532	N	3550B	8082	III
28-Sep-2011	SL-010-SA5DS-SS-0.0-0.5	6422532	N	3550B	8151A	III
28-Sep-2011	SL-010-SA5DS-SS-0.0-0.5	6422532	N	3550B	8270C	III
28-Sep-2011	SL-010-SA5DS-SS-0.0-0.5	6422532	N	3550B	8270C SIM	III
28-Sep-2011	SL-010-SA5DS-SS-0.0-0.5	6422532	N	Gen Prep	7199	III
28-Sep-2011	SL-010-SA5DS-SS-0.0-0.5	6422532	N	METHOD	300.0	III
28-Sep-2011	SL-010-SA5DS-SS-0.0-0.5	6422532	N	METHOD	314.0	III
28-Sep-2011	SL-010-SA5DS-SS-0.0-0.5	6422532	N	METHOD	7471A	III
28-Sep-2011	SL-017-SA5DS-SS-0.0-0.5	6422537	N	3050B	6010B	III
28-Sep-2011	SL-017-SA5DS-SS-0.0-0.5	6422537	N	3050B	6020	III
28-Sep-2011	SL-017-SA5DS-SS-0.0-0.5	6422537	N	3550B	8081A	III
28-Sep-2011	SL-017-SA5DS-SS-0.0-0.5	6422537	N	3550B	8082	III
28-Sep-2011	SL-017-SA5DS-SS-0.0-0.5	6422537	N	3550B	8151A	III
28-Sep-2011	SL-017-SA5DS-SS-0.0-0.5	6422537	N	3550B	8270C	III
28-Sep-2011	SL-017-SA5DS-SS-0.0-0.5	6422537	N	3550B	8270C SIM	III
28-Sep-2011	SL-017-SA5DS-SS-0.0-0.5	6422537	N	Gen Prep	7199	III
28-Sep-2011	SL-017-SA5DS-SS-0.0-0.5	6422537	N	METHOD	300.0	III
28-Sep-2011	SL-017-SA5DS-SS-0.0-0.5	6422537	N	METHOD	314.0	III
28-Sep-2011	SL-017-SA5DS-SS-0.0-0.5	6422537	N	METHOD	7471A	III
28-Sep-2011	SL-016-SA5DS-SS-0.0-0.5	6422536	N	3050B	6010B	III
28-Sep-2011	SL-016-SA5DS-SS-0.0-0.5	6422536	N	3050B	6020	III
28-Sep-2011	SL-016-SA5DS-SS-0.0-0.5	6422536	N	3550B	8081A	III
28-Sep-2011	SL-016-SA5DS-SS-0.0-0.5	6422536	N	3550B	8082	III
28-Sep-2011	SL-016-SA5DS-SS-0.0-0.5	6422536	N	3550B	8151A	III
28-Sep-2011	SL-016-SA5DS-SS-0.0-0.5	6422536	N	3550B	8270C	III
28-Sep-2011	SL-016-SA5DS-SS-0.0-0.5	6422536	N	3550B	8270C SIM	III

III = EPA Level 3 Data Review
IV = EPA Level 4 Data Validation

N = Normal Sample
FD = Field Duplicate

TB = Trip Blank
FB = Field Blank

MS = Matrix Spike
MSD = Matrix Spike Duplicate

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
28-Sep-2011	SL-016-SA5DS-SS-0.0-0.5	6422536	N	Gen Prep	7199	III
28-Sep-2011	SL-016-SA5DS-SS-0.0-0.5	6422536	N	METHOD	300.0	III
28-Sep-2011	SL-016-SA5DS-SS-0.0-0.5	6422536	N	METHOD	314.0	III
28-Sep-2011	SL-016-SA5DS-SS-0.0-0.5	6422536	N	METHOD	7471A	III
28-Sep-2011	SL-106-SA7-SB-15.5	6422525	N	5035	8015M	III
28-Sep-2011	SL-106-SA7-SB-15.5	6422525	N	5035	8260B	III
28-Sep-2011	SL-106-SA7-SB-15.5	6422525	N	5035	8260B SIM	III
28-Sep-2011	SL-106-SA7-SB-19.0-20.0	6422527	N	3050B	6010B	III
28-Sep-2011	SL-106-SA7-SB-19.0-20.0	6422527	N	3050B	6020	III
28-Sep-2011	SL-106-SA7-SB-19.0-20.0	6422527	N	3546	1625C	III
28-Sep-2011	SL-106-SA7-SB-19.0-20.0	6422527	N	3550B	8015B	III
28-Sep-2011	SL-106-SA7-SB-19.0-20.0	6422527	N	3550B	8015M	III
28-Sep-2011	SL-106-SA7-SB-19.0-20.0	6422527	N	3550B	8082	III
28-Sep-2011	SL-106-SA7-SB-19.0-20.0	6422527	N	3550B	8270C	III
28-Sep-2011	SL-106-SA7-SB-19.0-20.0	6422527	N	3550B	8270C SIM	III
28-Sep-2011	SL-106-SA7-SB-19.0-20.0	6422527	N	5035	8015M	III
28-Sep-2011	SL-106-SA7-SB-19.0-20.0	6422527	N	Gen Prep	7199	III
28-Sep-2011	SL-106-SA7-SB-19.0-20.0	6422527	N	METHOD	300.0	III
28-Sep-2011	SL-106-SA7-SB-19.0-20.0	6422527	N	METHOD	314.0	III
28-Sep-2011	SL-106-SA7-SB-19.0-20.0	6422527	N	METHOD	7471A	III
28-Sep-2011	SL-106-SA7-SB-19.0-20.0	6422527	N	METHOD	8015B	III
28-Sep-2011	SL-106-SA7-SB-19.0-20.0	6422527	N	METHOD	8015M	III
28-Sep-2011	SL-106-SA7-SB-19.0-20.0	6422527	N	METHOD	8315A	III
28-Sep-2011	SL-009-SA5DS-SS-0.0-0.5	6422531	N	3050B	6010B	III
28-Sep-2011	SL-009-SA5DS-SS-0.0-0.5	6422531	N	3050B	6020	III
28-Sep-2011	SL-009-SA5DS-SS-0.0-0.5	6422531	N	3550B	8081A	III

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
28-Sep-2011	SL-009-SA5DS-SS-0.0-0.5	6422531	N	3550B	8082	III
28-Sep-2011	SL-009-SA5DS-SS-0.0-0.5	6422531	N	3550B	8151A	III
28-Sep-2011	SL-009-SA5DS-SS-0.0-0.5	6422531	N	3550B	8270C	III
28-Sep-2011	SL-009-SA5DS-SS-0.0-0.5	6422531	N	3550B	8270C SIM	III
28-Sep-2011	SL-009-SA5DS-SS-0.0-0.5	6422531	N	Gen Prep	7199	III
28-Sep-2011	SL-009-SA5DS-SS-0.0-0.5	6422531	N	METHOD	300.0	III
28-Sep-2011	SL-009-SA5DS-SS-0.0-0.5	6422531	N	METHOD	314.0	III
28-Sep-2011	SL-009-SA5DS-SS-0.0-0.5	6422531	N	METHOD	7471A	III
28-Sep-2011	SL-014-SA5DS-SS-0.0-0.5	6422534	N	3050B	6010B	III
28-Sep-2011	SL-014-SA5DS-SS-0.0-0.5	6422534	N	3050B	6020	III
28-Sep-2011	SL-014-SA5DS-SS-0.0-0.5	6422534	N	3550B	8081A	III
28-Sep-2011	SL-014-SA5DS-SS-0.0-0.5	6422534	N	3550B	8082	III
28-Sep-2011	SL-014-SA5DS-SS-0.0-0.5	6422534	N	3550B	8151A	III
28-Sep-2011	SL-014-SA5DS-SS-0.0-0.5	6422534	N	3550B	8270C	III
28-Sep-2011	SL-014-SA5DS-SS-0.0-0.5	6422534	N	3550B	8270C SIM	III
28-Sep-2011	SL-014-SA5DS-SS-0.0-0.5	6422534	N	Gen Prep	7199	III
28-Sep-2011	SL-014-SA5DS-SS-0.0-0.5	6422534	N	METHOD	300.0	III
28-Sep-2011	SL-014-SA5DS-SS-0.0-0.5	6422534	N	METHOD	314.0	III
28-Sep-2011	SL-014-SA5DS-SS-0.0-0.5	6422534	N	METHOD	7471A	III
28-Sep-2011	SL-015-SA5DS-SS-0.0-0.5	6422535	N	3050B	6010B	III
28-Sep-2011	SL-015-SA5DS-SS-0.0-0.5	6422535	N	3050B	6020	III
28-Sep-2011	SL-015-SA5DS-SS-0.0-0.5	6422535	N	3550B	8081A	III
28-Sep-2011	SL-015-SA5DS-SS-0.0-0.5	6422535	N	3550B	8082	III
28-Sep-2011	SL-015-SA5DS-SS-0.0-0.5	6422535	N	3550B	8151A	III
28-Sep-2011	SL-015-SA5DS-SS-0.0-0.5	6422535	N	3550B	8270C	III
28-Sep-2011	SL-015-SA5DS-SS-0.0-0.5	6422535	N	3550B	8270C SIM	III

III = EPA Level 3 Data Review
IV = EPA Level 4 Data Validation

N = Normal Sample
FD = Field Duplicate

TB = Trip Blank
FB = Field Blank

MS = Matrix Spike
MSD = Matrix Spike Duplicate

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
28-Sep-2011	SL-015-SA5DS-SS-0.0-0.5	6422535	N	Gen Prep	7199	III
28-Sep-2011	SL-015-SA5DS-SS-0.0-0.5	6422535	N	METHOD	300.0	III
28-Sep-2011	SL-015-SA5DS-SS-0.0-0.5	6422535	N	METHOD	314.0	III
28-Sep-2011	SL-015-SA5DS-SS-0.0-0.5	6422535	N	METHOD	6850	III
28-Sep-2011	SL-015-SA5DS-SS-0.0-0.5	6422535	N	METHOD	7471A	III
28-Sep-2011	SL-013-SA5DS-SS-0.0-0.5	6422533	N	3050B	6010B	III
28-Sep-2011	SL-013-SA5DS-SS-0.0-0.5	6422533	N	3050B	6020	III
28-Sep-2011	SL-013-SA5DS-SS-0.0-0.5	6422533	N	3550B	8081A	III
28-Sep-2011	SL-013-SA5DS-SS-0.0-0.5	6422533	N	3550B	8082	III
28-Sep-2011	SL-013-SA5DS-SS-0.0-0.5	6422533	N	3550B	8151A	III
28-Sep-2011	SL-013-SA5DS-SS-0.0-0.5	6422533	N	3550B	8270C	III
28-Sep-2011	SL-013-SA5DS-SS-0.0-0.5	6422533	N	3550B	8270C SIM	III
28-Sep-2011	SL-013-SA5DS-SS-0.0-0.5	6422533	N	Gen Prep	7199	III
28-Sep-2011	SL-013-SA5DS-SS-0.0-0.5	6422533	N	METHOD	300.0	III
28-Sep-2011	SL-013-SA5DS-SS-0.0-0.5	6422533	N	METHOD	314.0	III
28-Sep-2011	SL-013-SA5DS-SS-0.0-0.5	6422533	N	METHOD	7471A	III
28-Sep-2011	SL-106-SA7-SB-4.0-5.0	6422523	N	3050B	6010B	III
28-Sep-2011	SL-106-SA7-SB-4.0-5.0	6422523	N	3050B	6020	III
28-Sep-2011	SL-106-SA7-SB-4.0-5.0	6422523	N	3546	1625C	III
28-Sep-2011	SL-106-SA7-SB-4.0-5.0	6422523	N	3550B	8015B	III
28-Sep-2011	SL-106-SA7-SB-4.0-5.0	6422523	N	3550B	8015M	III
28-Sep-2011	SL-106-SA7-SB-4.0-5.0	6422523	N	3550B	8082	III
28-Sep-2011	SL-106-SA7-SB-4.0-5.0	6422523	N	3550B	8270C	III
28-Sep-2011	SL-106-SA7-SB-4.0-5.0	6422523	N	3550B	8270C SIM	III
28-Sep-2011	SL-106-SA7-SB-4.0-5.0	6422523	N	5035	8015M	III
28-Sep-2011	SL-106-SA7-SB-4.0-5.0	6422523	N	Gen Prep	7199	III

III = EPA Level 3 Data Review
IV = EPA Level 4 Data Validation

N = Normal Sample
FD = Field Duplicate

TB = Trip Blank
FB = Field Blank

MS = Matrix Spike
MSD = Matrix Spike Duplicate

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
28-Sep-2011	SL-106-SA7-SB-4.0-5.0	6422523	N	METHOD	300.0	III
28-Sep-2011	SL-106-SA7-SB-4.0-5.0	6422523	N	METHOD	314.0	III
28-Sep-2011	SL-106-SA7-SB-4.0-5.0	6422523	N	METHOD	7471A	III
28-Sep-2011	SL-106-SA7-SB-4.0-5.0	6422523	N	METHOD	8015B	III
28-Sep-2011	SL-106-SA7-SB-4.0-5.0	6422523	N	METHOD	8015M	III
28-Sep-2011	SL-106-SA7-SB-4.0-5.0	6422523	N	METHOD	8315A	III
28-Sep-2011	SL-106-SA7-SB-9.0-10.0	6422524	N	3050B	6010B	III
28-Sep-2011	SL-106-SA7-SB-9.0-10.0	6422524	N	3050B	6020	III
28-Sep-2011	SL-106-SA7-SB-9.0-10.0	6422524	N	3546	1625C	III
28-Sep-2011	SL-106-SA7-SB-9.0-10.0	6422524	N	3550B	8015B	III
28-Sep-2011	SL-106-SA7-SB-9.0-10.0	6422524	N	3550B	8015M	III
28-Sep-2011	SL-106-SA7-SB-9.0-10.0	6422524	N	3550B	8082	III
28-Sep-2011	SL-106-SA7-SB-9.0-10.0	6422524	N	3550B	8270C	III
28-Sep-2011	SL-106-SA7-SB-9.0-10.0	6422524	N	3550B	8270C SIM	III
28-Sep-2011	SL-106-SA7-SB-9.0-10.0	6422524	N	5035	8015M	III
28-Sep-2011	SL-106-SA7-SB-9.0-10.0	6422524	N	Gen Prep	7199	III
28-Sep-2011	SL-106-SA7-SB-9.0-10.0	6422524	N	METHOD	300.0	III
28-Sep-2011	SL-106-SA7-SB-9.0-10.0	6422524	N	METHOD	314.0	III
28-Sep-2011	SL-106-SA7-SB-9.0-10.0	6422524	N	METHOD	7471A	III
28-Sep-2011	SL-106-SA7-SB-9.0-10.0	6422524	N	METHOD	8015B	III
28-Sep-2011	SL-106-SA7-SB-9.0-10.0	6422524	N	METHOD	8015M	III
28-Sep-2011	SL-106-SA7-SB-9.0-10.0	6422524	N	METHOD	8315A	III
28-Sep-2011	SL-106-SA7-SB-16.5-17.5	6422526	N	3050B	6010B	III
28-Sep-2011	SL-106-SA7-SB-16.5-17.5	6422526	N	3050B	6020	III
28-Sep-2011	SL-106-SA7-SB-16.5-17.5	6422526	N	3546	1625C	III
28-Sep-2011	SL-106-SA7-SB-16.5-17.5	6422526	N	3550B	8015B	III

III = EPA Level 3 Data Review
IV = EPA Level 4 Data Validation

N = Normal Sample
FD = Field Duplicate

TB = Trip Blank
FB = Field Blank

MS = Matrix Spike
MSD = Matrix Spike Duplicate

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
28-Sep-2011	SL-106-SA7-SB-16.5-17.5	6422526	N	3550B	8015M	III
28-Sep-2011	SL-106-SA7-SB-16.5-17.5	6422526	N	3550B	8082	III
28-Sep-2011	SL-106-SA7-SB-16.5-17.5	6422526	N	3550B	8270C	III
28-Sep-2011	SL-106-SA7-SB-16.5-17.5	6422526	N	3550B	8270C SIM	III
28-Sep-2011	SL-106-SA7-SB-16.5-17.5	6422526	N	5035	8015M	III
28-Sep-2011	SL-106-SA7-SB-16.5-17.5	6422526	N	Gen Prep	7199	III
28-Sep-2011	SL-106-SA7-SB-16.5-17.5	6422526	N	METHOD	300.0	III
28-Sep-2011	SL-106-SA7-SB-16.5-17.5	6422526	N	METHOD	314.0	III
28-Sep-2011	SL-106-SA7-SB-16.5-17.5	6422526	N	METHOD	7471A	III
28-Sep-2011	SL-106-SA7-SB-16.5-17.5	6422526	N	METHOD	8015B	III
28-Sep-2011	SL-106-SA7-SB-16.5-17.5	6422526	N	METHOD	8015M	III
28-Sep-2011	SL-106-SA7-SB-16.5-17.5	6422526	N	METHOD	8315A	III
28-Sep-2011	EB-SA5DS-SS-092811	6422547	EB	3005A	6010B	III
28-Sep-2011	EB-SA5DS-SS-092811	6422547	EB	3020A	6020	III
28-Sep-2011	EB-SA5DS-SS-092811	6422547	EB	3510C	8081A	III
28-Sep-2011	EB-SA5DS-SS-092811	6422547	EB	3510C	8082	III
28-Sep-2011	EB-SA5DS-SS-092811	6422547	EB	3510C	8270C	III
28-Sep-2011	EB-SA5DS-SS-092811	6422547	EB	3510C	8270C SIM	III
28-Sep-2011	EB-SA5DS-SS-092811	6422547	EB	Gen Prep	300.0	III
28-Sep-2011	EB-SA5DS-SS-092811	6422547	EB	Gen Prep	314.0	III
28-Sep-2011	EB-SA5DS-SS-092811	6422547	EB	Gen Prep	7199	III
28-Sep-2011	EB-SA5DS-SS-092811	6422547	EB	METHOD	7470A	III
28-Sep-2011	EB-SA5DS-SS-092811	6422547	EB	METHOD	8151A	III
28-Sep-2011	SL-033-SA5DS-SS-0.0-0.5	6422538	N	3050B	6010B	III
28-Sep-2011	SL-033-SA5DS-SS-0.0-0.5	6422538	N	3050B	6020	III
28-Sep-2011	SL-033-SA5DS-SS-0.0-0.5	6422538	N	3550B	8081A	III

III = EPA Level 3 Data Review
IV = EPA Level 4 Data Validation

N = Normal Sample
FD = Field Duplicate

TB = Trip Blank
FB = Field Blank

MS = Matrix Spike
MSD = Matrix Spike Duplicate

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
28-Sep-2011	SL-033-SA5DS-SS-0.0-0.5	6422538	N	3550B	8082	III
28-Sep-2011	SL-033-SA5DS-SS-0.0-0.5	6422538	N	3550B	8151A	III
28-Sep-2011	SL-033-SA5DS-SS-0.0-0.5	6422538	N	3550B	8270C	III
28-Sep-2011	SL-033-SA5DS-SS-0.0-0.5	6422538	N	3550B	8270C SIM	III
28-Sep-2011	SL-033-SA5DS-SS-0.0-0.5	6422538	N	Gen Prep	7199	III
28-Sep-2011	SL-033-SA5DS-SS-0.0-0.5	6422538	N	METHOD	300.0	III
28-Sep-2011	SL-033-SA5DS-SS-0.0-0.5	6422538	N	METHOD	314.0	III
28-Sep-2011	SL-033-SA5DS-SS-0.0-0.5	6422538	N	METHOD	7471A	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5	6422539	N	3050B	6010B	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5	6422539	N	3050B	6020	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5	6422539	N	3550B	8081A	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5	6422539	N	3550B	8082	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5	6422539	N	3550B	8151A	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5	6422539	N	3550B	8270C	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5	6422539	N	3550B	8270C SIM	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5	6422539	N	Gen Prep	7199	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5	6422539	N	METHOD	300.0	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5	6422539	N	METHOD	314.0	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5	6422539	N	METHOD	7471A	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5MS	6422540	MS	3050B	6010B	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5MS	6422540	MS	3050B	6020	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5MS	6422540	MS	3550B	8081A	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5MS	6422540	MS	3550B	8082	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5MS	6422540	MS	3550B	8151A	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5MS	6422540	MS	3550B	8270C	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5MS	6422540	MS	3550B	8270C SIM	III

III = EPA Level 3 Data Review
IV = EPA Level 4 Data Validation

N = Normal Sample
FD = Field Duplicate

TB = Trip Blank
FB = Field Blank

MS = Matrix Spike
MSD = Matrix Spike Duplicate

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5MS	6422540	MS	Gen Prep	7199	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5MS	6422540	MS	METHOD	300.0	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5MS	6422540	MS	METHOD	314.0	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5MS	6422540	MS	METHOD	7471A	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5DU	6422542	DUP	3050B	6010B	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5DU	6422542	DUP	3050B	6020	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5DU	6422542	DUP	Gen Prep	7199	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5DU	6422542	DUP	METHOD	300.0	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5DU	6422542	DUP	METHOD	314.0	III
28-Sep-2011	SL-034-SA5DS-SS-0.0-0.5DU	6422542	DUP	METHOD	7471A	III
28-Sep-2011	DUP-02-SA5DS-QC-092811	6422546	FD	3050B	6010B	III
28-Sep-2011	DUP-02-SA5DS-QC-092811	6422546	FD	3050B	6020	III
28-Sep-2011	DUP-02-SA5DS-QC-092811	6422546	FD	3550B	8081A	III
28-Sep-2011	DUP-02-SA5DS-QC-092811	6422546	FD	3550B	8082	III
28-Sep-2011	DUP-02-SA5DS-QC-092811	6422546	FD	3550B	8151A	III
28-Sep-2011	DUP-02-SA5DS-QC-092811	6422546	FD	3550B	8270C	III
28-Sep-2011	DUP-02-SA5DS-QC-092811	6422546	FD	3550B	8270C SIM	III
28-Sep-2011	DUP-02-SA5DS-QC-092811	6422546	FD	Gen Prep	7199	III
28-Sep-2011	DUP-02-SA5DS-QC-092811	6422546	FD	METHOD	300.0	III
28-Sep-2011	DUP-02-SA5DS-QC-092811	6422546	FD	METHOD	314.0	III
28-Sep-2011	DUP-02-SA5DS-QC-092811	6422546	FD	METHOD	7471A	III
28-Sep-2011	SL-103-SA7-SB-18.0-19.0	6422522	N	3050B	6010B	III
28-Sep-2011	SL-103-SA7-SB-18.0-19.0	6422522	N	3050B	6020	III
28-Sep-2011	SL-103-SA7-SB-18.0-19.0	6422522	N	3546	1625C	III
28-Sep-2011	SL-103-SA7-SB-18.0-19.0	6422522	N	3550B	8015B	III
28-Sep-2011	SL-103-SA7-SB-18.0-19.0	6422522	N	3550B	8015M	III

III = EPA Level 3 Data Review
IV = EPA Level 4 Data Validation

N = Normal Sample
FD = Field Duplicate

TB = Trip Blank
FB = Field Blank

MS = Matrix Spike
MSD = Matrix Spike Duplicate

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
28-Sep-2011	SL-103-SA7-SB-18.0-19.0	6422522	N	3550B	8082	III
28-Sep-2011	SL-103-SA7-SB-18.0-19.0	6422522	N	3550B	8270C	III
28-Sep-2011	SL-103-SA7-SB-18.0-19.0	6422522	N	3550B	8270C SIM	III
28-Sep-2011	SL-103-SA7-SB-18.0-19.0	6422522	N	5035	8015M	III
28-Sep-2011	SL-103-SA7-SB-18.0-19.0	6422522	N	Gen Prep	7199	III
28-Sep-2011	SL-103-SA7-SB-18.0-19.0	6422522	N	METHOD	300.0	III
28-Sep-2011	SL-103-SA7-SB-18.0-19.0	6422522	N	METHOD	314.0	III
28-Sep-2011	SL-103-SA7-SB-18.0-19.0	6422522	N	METHOD	6850	III
28-Sep-2011	SL-103-SA7-SB-18.0-19.0	6422522	N	METHOD	7471A	III
28-Sep-2011	SL-103-SA7-SB-18.0-19.0	6422522	N	METHOD	8015B	III
28-Sep-2011	SL-103-SA7-SB-18.0-19.0	6422522	N	METHOD	8015M	III
28-Sep-2011	SL-103-SA7-SB-18.0-19.0	6422522	N	METHOD	8315A	III
28-Sep-2011	TB-092711	6422528	TB	5030B	8015M	III
28-Sep-2011	TB-092711	6422528	TB	5030B	8260B	III
28-Sep-2011	TB-092711	6422528	TB	5030B	8260B SIM	III
28-Sep-2011	SL-103-SA7-SB-18.0-19.0DU	P422522D270032A	DUP	METHOD	300.0	III
28-Sep-2011	SL-103-SA7-SB-18.0-19.0DU	P422522D272022A	DUP	METHOD	314.0	III
28-Sep-2011	SL-103-SA7-SB-18.0-19.0MS	P422522R270045A	MS	METHOD	300.0	III
28-Sep-2011	SL-103-SA7-SB-18.0-19.0MS	P422522R272045A	MS	METHOD	314.0	III
28-Sep-2011	SL-040-SA5DS-SS-0.0-0.5	6422545	N	3050B	6010B	III
28-Sep-2011	SL-040-SA5DS-SS-0.0-0.5	6422545	N	3050B	6020	III
28-Sep-2011	SL-040-SA5DS-SS-0.0-0.5	6422545	N	3550B	8081A	III
28-Sep-2011	SL-040-SA5DS-SS-0.0-0.5	6422545	N	3550B	8082	III
28-Sep-2011	SL-040-SA5DS-SS-0.0-0.5	6422545	N	3550B	8151A	III
28-Sep-2011	SL-040-SA5DS-SS-0.0-0.5	6422545	N	3550B	8270C	III
28-Sep-2011	SL-040-SA5DS-SS-0.0-0.5	6422545	N	3550B	8270C SIM	III

III = EPA Level 3 Data Review
IV = EPA Level 4 Data Validation

N = Normal Sample
FD = Field Duplicate

TB = Trip Blank
FB = Field Blank

MS = Matrix Spike
MSD = Matrix Spike Duplicate

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
28-Sep-2011	SL-040-SA5DS-SS-0.0-0.5	6422545	N	Gen Prep	7199	III
28-Sep-2011	SL-040-SA5DS-SS-0.0-0.5	6422545	N	METHOD	300.0	III
28-Sep-2011	SL-040-SA5DS-SS-0.0-0.5	6422545	N	METHOD	314.0	III
28-Sep-2011	SL-040-SA5DS-SS-0.0-0.5	6422545	N	METHOD	6850	III
28-Sep-2011	SL-040-SA5DS-SS-0.0-0.5	6422545	N	METHOD	7471A	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	GENCHEM
Method:	300.0
Matrix:	SO

Sample ID: SL-007-SA5DS-SS-0.0-0.5			Collected: 9/28/2011 8:00:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	0.81	U	0.81	MDL	1.0	PQL	mg/Kg	UJ	Q

Sample ID: SL-008-SA5DS-SS-0.0-0.5			Collected: 9/28/2011 7:30:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	1.1		0.81	MDL	1.0	PQL	mg/Kg	J	Q

Sample ID: SL-009-SA5DS-SS-0.0-0.5			Collected: 9/28/2011 9:50:00		Analysis Type: RES			Dilution: 1		
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code	
FLUORIDE	0.81	U	0.81	MDL	1.0	PQL	mg/Kg	UJ	Q	

Sample ID: SL-010-SA5DS-SS-0.0-0.5			Collected: 9/28/2011 8:20:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	0.81	U	0.81	MDL	1.0	PQL	mg/Kg	UJ	Q

Sample ID: SL-013-SA5DS-SS-0.0-0.5			Collected: 9/28/2011 11:00:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	0.93	J	0.81	MDL	1.0	PQL	mg/Kg	J	Z, Q

Sample ID: SL-103-SA7-SB-18.0-19.0			Collected: 9/28/2011 2:30:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	2.8		0.87	MDL	1.1	PQL	mg/Kg	J	Q

Sample ID: SL-106-SA7-SB-16.5-17.5			Collected: 9/28/2011 12:45:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	4.2		0.86	MDL	1.1	PQL	mg/Kg	J	Q

Sample ID: SL-106-SA7-SB-19.0-20.0			Collected: 9/28/2011 9:50:00		Analysis Type: RES			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	2.1		0.85	MDL	1.1	PQL	mg/Kg	J	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:37 AM

ADR version 1.4.0.111

Page 1 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 300.0

Matrix: SO

Sample ID: SL-106-SA7-SB-4.0-5.0

Collected: 9/28/2011 12:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	2.0		0.83	MDL	1.0	PQL	mg/Kg	J	Q
Nitrate-NO3	1.1	J	0.83	MDL	1.6	PQL	mg/Kg	J	Z

Sample ID: SL-106-SA7-SB-9.0-10.0

Collected: 9/28/2011 12:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	2.1		0.87	MDL	1.1	PQL	mg/Kg	J	Q

Method Category: METALS

Method: 6010B

Matrix: AQ

Sample ID: EB-SA5DS-SS-092811

Collected: 9/28/2011 1:00:00

Analysis Type: REA2

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BORON	0.0025	J	0.0022	MDL	0.0500	PQL	mg/L	J	Z
PHOSPHORUS	0.0105	J	0.0047	MDL	0.100	PQL	mg/L	U	B

Method Category: METALS

Method: 6010B

Matrix: SO

Sample ID: DUP-02-SA5DS-QC-092811

Collected: 9/28/2011 1:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	99.2	J	6.12	MDL	103	PQL	mg/Kg	J	Z
TIN	2.82	J	0.329	MDL	10.3	PQL	mg/Kg	U	B
Zirconium	4.15	J	0.473	MDL	5.15	PQL	mg/Kg	J	Z

Sample ID: SL-007-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	87.7	J	5.98	MDL	101	PQL	mg/Kg	J	Z
TIN	2.67	J	0.322	MDL	10.1	PQL	mg/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:37 AM

ADR version 1.4.0.111

Page 2 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6010B

Matrix: SO

Sample ID: SL-008-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 7:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BORON	4.38	J	0.360	MDL	5.00	PQL	mg/Kg	J	Z
SODIUM	69.5	J	5.95	MDL	99.9	PQL	mg/Kg	J	Z
TIN	2.57	J	0.320	MDL	9.99	PQL	mg/Kg	U	B
Zirconium	0.970	J	0.460	MDL	5.00	PQL	mg/Kg	J	Z

Sample ID: SL-009-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 9:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	88.4	J	6.04	MDL	102	PQL	mg/Kg	J	Z
TIN	2.78	J	0.325	MDL	10.2	PQL	mg/Kg	U	B

Sample ID: SL-010-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	91.2	J	5.97	MDL	100	PQL	mg/Kg	J	Z
TIN	2.63	J	0.321	MDL	10.0	PQL	mg/Kg	U	B

Sample ID: SL-013-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 11:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	85.1	J	6.02	MDL	101	PQL	mg/Kg	J	Z
TIN	2.52	J	0.324	MDL	10.1	PQL	mg/Kg	U	B
Zirconium	3.72	J	0.466	MDL	5.06	PQL	mg/Kg	J	Z

Sample ID: SL-014-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 10:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	93.6	J	5.92	MDL	99.5	PQL	mg/Kg	J	Z
TIN	2.71	J	0.319	MDL	9.95	PQL	mg/Kg	U	B
Zirconium	2.65	J	0.458	MDL	4.98	PQL	mg/Kg	J	Z

Sample ID: SL-015-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 10:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	84.7	J	5.87	MDL	98.7	PQL	mg/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:37 AM

ADR version 1.4.0.111

Page 3 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6010B

Matrix: SO

Sample ID: SL-015-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 10:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	2.74	J	0.316	MDL	9.87	PQL	mg/Kg	U	B

Sample ID: SL-016-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 9:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	80.5	J	6.13	MDL	103	PQL	mg/Kg	J	Z
TIN	2.71	J	0.330	MDL	10.3	PQL	mg/Kg	U	B
Zirconium	4.97	J	0.474	MDL	5.15	PQL	mg/Kg	J	Z

Sample ID: SL-017-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	97.7	J	5.93	MDL	99.7	PQL	mg/Kg	J	Z
TIN	2.83	J	0.319	MDL	9.97	PQL	mg/Kg	U	B

Sample ID: SL-033-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 1:25:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	2.66	J	0.332	MDL	10.4	PQL	mg/Kg	U	B
Zirconium	3.67	J	0.477	MDL	5.18	PQL	mg/Kg	J	Z

Sample ID: SL-034-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 1:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	100	J	6.14	MDL	103	PQL	mg/Kg	J	Z
TIN	2.95	J	0.330	MDL	10.3	PQL	mg/Kg	U	B
Zirconium	4.78	J	0.474	MDL	5.16	PQL	mg/Kg	J	Z

Sample ID: SL-040-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 3:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	83.6	J	5.97	MDL	100	PQL	mg/Kg	J	Z
TIN	2.42	J	0.321	MDL	10.0	PQL	mg/Kg	U	B
Zirconium	3.49	J	0.461	MDL	5.02	PQL	mg/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:37 AM

ADR version 1.4.0.111

Page 4 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6010B

Matrix: SO

Sample ID: SL-103-SA7-SB-18.0-19.0

Collected: 9/28/2011 2:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	2.67	J	0.338	MDL	10.6	PQL	mg/Kg	U	B
Zirconium	1.67	J	0.486	MDL	5.28	PQL	mg/Kg	J	Z

Sample ID: SL-106-SA7-SB-16.5-17.5

Collected: 9/28/2011 12:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	2.89	J	0.339	MDL	10.6	PQL	mg/Kg	U	B
Zirconium	1.46	J	0.488	MDL	5.30	PQL	mg/Kg	J	Z

Sample ID: SL-106-SA7-SB-19.0-20.0

Collected: 9/28/2011 9:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	2.77	J	0.333	MDL	10.4	PQL	mg/Kg	U	B
Zirconium	1.26	J	0.479	MDL	5.20	PQL	mg/Kg	J	Z

Sample ID: SL-106-SA7-SB-4.0-5.0

Collected: 9/28/2011 12:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	2.55	J	0.322	MDL	10.1	PQL	mg/Kg	U	B
Zirconium	0.809	J	0.463	MDL	5.04	PQL	mg/Kg	J	Z

Sample ID: SL-106-SA7-SB-9.0-10.0

Collected: 9/28/2011 12:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BORON	4.42	J	0.378	MDL	5.25	PQL	mg/Kg	J	Z
TIN	2.78	J	0.336	MDL	10.5	PQL	mg/Kg	U	B
Zirconium	1.01	J	0.483	MDL	5.25	PQL	mg/Kg	J	Z

Method Category: METALS

Method: 6020

Matrix: AQ

Sample ID: EB-SA5DS-SS-092811

Collected: 9/28/2011 1:00:00

Analysis Type: REA4

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.00022	J	0.00020	MDL	0.00050	PQL	mg/L	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:37 AM

ADR version 1.4.0.111

Page 5 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: DUP-02-SA5DS-QC-092811

Collected: 9/28/2011 1:55:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.267	J	0.0580	MDL	0.400	PQL	mg/Kg	J	Z

Sample ID: DUP-02-SA5DS-QC-092811

Collected: 9/28/2011 1:55:00

Analysis Type: REA2

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.543		0.0500	MDL	0.100	PQL	mg/Kg	J	Q

Sample ID: DUP-02-SA5DS-QC-092811

Collected: 9/28/2011 1:55:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.330		0.0740	MDL	0.200	PQL	mg/Kg	J	Q
ARSENIC	7.53		0.0800	MDL	0.400	PQL	mg/Kg	J	Q
CADMIUM	0.277		0.0440	MDL	0.100	PQL	mg/Kg	J	Q
CHROMIUM	40.4		0.120	MDL	0.400	PQL	mg/Kg	J	Q
COBALT	14.2		0.0200	MDL	0.100	PQL	mg/Kg	J	Q
COPPER	21.8		0.0800	MDL	0.400	PQL	mg/Kg	J	Q
LEAD	12.7		0.0102	MDL	0.200	PQL	mg/Kg	J	Q
NICKEL	28.0		0.100	MDL	0.400	PQL	mg/Kg	J	Q
SILVER	0.0420	J	0.0142	MDL	0.100	PQL	mg/Kg	J	Z, Q
THALLIUM	0.448		0.0300	MDL	0.100	PQL	mg/Kg	J	Q

Sample ID: SL-007-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:00:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.204	J	0.0566	MDL	0.390	PQL	mg/Kg	J	Z

Sample ID: SL-007-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:00:00

Analysis Type: REA2

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.705		0.0488	MDL	0.0976	PQL	mg/Kg	J	Q

Sample ID: SL-007-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:00:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.271		0.0722	MDL	0.195	PQL	mg/Kg	J	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:37 AM

ADR version 1.4.0.111

Page 6 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: SL-007-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:00:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	6.01		0.0781	MDL	0.390	PQL	mg/Kg	J	Q
CADMIUM	0.203		0.0430	MDL	0.0976	PQL	mg/Kg	J	Q
CHROMIUM	37.6		0.117	MDL	0.390	PQL	mg/Kg	J	Q
COBALT	6.77		0.0195	MDL	0.0976	PQL	mg/Kg	J	Q
COPPER	7.44		0.0781	MDL	0.390	PQL	mg/Kg	J	Q
LEAD	14.2		0.010	MDL	0.195	PQL	mg/Kg	J	Q
NICKEL	12.7		0.0976	MDL	0.390	PQL	mg/Kg	J	Q
SILVER	0.0242	J	0.0139	MDL	0.0976	PQL	mg/Kg	J	Z, Q
THALLIUM	0.184		0.0293	MDL	0.0976	PQL	mg/Kg	J	Q

Sample ID: SL-008-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 7:30:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.0809	J	0.0574	MDL	0.396	PQL	mg/Kg	J	Z

Sample ID: SL-008-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 7:30:00

Analysis Type: REA2

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.439		0.0495	MDL	0.0990	PQL	mg/Kg	J	Q

Sample ID: SL-008-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 7:30:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.105	J	0.0732	MDL	0.198	PQL	mg/Kg	J	Z, Q
ARSENIC	4.51		0.0792	MDL	0.396	PQL	mg/Kg	J	Q
CADMIUM	0.125		0.0435	MDL	0.0990	PQL	mg/Kg	J	Q
CHROMIUM	16.6		0.119	MDL	0.396	PQL	mg/Kg	J	Q
COBALT	6.13		0.0198	MDL	0.0990	PQL	mg/Kg	J	Q
COPPER	7.88		0.0792	MDL	0.396	PQL	mg/Kg	J	Q
LEAD	5.33		0.0101	MDL	0.198	PQL	mg/Kg	J	Q
NICKEL	12.0		0.0990	MDL	0.396	PQL	mg/Kg	J	Q
SILVER	0.0787	J	0.0141	MDL	0.0990	PQL	mg/Kg	J	Z, Q
THALLIUM	0.284		0.0297	MDL	0.0990	PQL	mg/Kg	J	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:37 AM

ADR version 1.4.0.111

Page 7 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: SL-009-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 9:50:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.222	J	0.0577	MDL	0.398	PQL	mg/Kg	J	Z

Sample ID: SL-009-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 9:50:00

Analysis Type: REA2

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.696		0.0498	MDL	0.0995	PQL	mg/Kg	J	Q

Sample ID: SL-009-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 9:50:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.294		0.0737	MDL	0.199	PQL	mg/Kg	J	Q
ARSENIC	6.31		0.0796	MDL	0.398	PQL	mg/Kg	J	Q
CADMIUM	0.221		0.0438	MDL	0.0995	PQL	mg/Kg	J	Q
CHROMIUM	38.3		0.119	MDL	0.398	PQL	mg/Kg	J	Q
COBALT	7.48		0.0199	MDL	0.0995	PQL	mg/Kg	J	Q
COPPER	8.34		0.0796	MDL	0.398	PQL	mg/Kg	J	Q
LEAD	14.8		0.0102	MDL	0.199	PQL	mg/Kg	J	Q
NICKEL	13.4		0.0995	MDL	0.398	PQL	mg/Kg	J	Q
SILVER	0.0309	J	0.0141	MDL	0.0995	PQL	mg/Kg	J	Z, Q
THALLIUM	0.216		0.0299	MDL	0.0995	PQL	mg/Kg	J	Q

Sample ID: SL-010-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:20:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.252	J	0.0577	MDL	0.398	PQL	mg/Kg	J	Z

Sample ID: SL-010-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:20:00

Analysis Type: REA2

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.792		0.0497	MDL	0.0994	PQL	mg/Kg	J	Q

Sample ID: SL-010-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:20:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.307		0.0736	MDL	0.199	PQL	mg/Kg	J	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:37 AM

ADR version 1.4.0.111

Page 8 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: SL-010-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:20:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	7.13		0.0795	MDL	0.398	PQL	mg/Kg	J	Q
CADMIUM	0.297		0.0437	MDL	0.0994	PQL	mg/Kg	J	Q
CHROMIUM	46.2		0.119	MDL	0.398	PQL	mg/Kg	J	Q
COBALT	9.03		0.0199	MDL	0.0994	PQL	mg/Kg	J	Q
COPPER	9.76		0.0795	MDL	0.398	PQL	mg/Kg	J	Q
LEAD	18.9		0.0101	MDL	0.199	PQL	mg/Kg	J	Q
NICKEL	15.9		0.0994	MDL	0.398	PQL	mg/Kg	J	Q
SILVER	0.0320	J	0.0141	MDL	0.0994	PQL	mg/Kg	J	Z, Q
THALLIUM	0.248		0.0298	MDL	0.0994	PQL	mg/Kg	J	Q

Sample ID: SL-013-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 11:00:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.217	J	0.0581	MDL	0.401	PQL	mg/Kg	J	Z

Sample ID: SL-013-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 11:00:00

Analysis Type: REA2

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.839		0.0501	MDL	0.100	PQL	mg/Kg	J	Q

Sample ID: SL-013-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 11:00:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.229		0.0742	MDL	0.200	PQL	mg/Kg	J	Q
ARSENIC	5.71		0.0802	MDL	0.401	PQL	mg/Kg	J	Q
CADMIUM	0.240		0.0441	MDL	0.100	PQL	mg/Kg	J	Q
CHROMIUM	37.9		0.120	MDL	0.401	PQL	mg/Kg	J	Q
COBALT	7.23		0.0200	MDL	0.100	PQL	mg/Kg	J	Q
COPPER	8.80		0.0802	MDL	0.401	PQL	mg/Kg	J	Q
LEAD	14.2		0.0102	MDL	0.200	PQL	mg/Kg	J	Q
NICKEL	14.0		0.100	MDL	0.401	PQL	mg/Kg	J	Q
SILVER	0.0405	J	0.0142	MDL	0.100	PQL	mg/Kg	J	Z, Q
THALLIUM	0.210		0.0301	MDL	0.100	PQL	mg/Kg	J	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:37 AM

ADR version 1.4.0.111

Page 9 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: SL-014-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 10:05:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.216	J	0.0583	MDL	0.402	PQL	mg/Kg	J	Z

Sample ID: SL-014-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 10:05:00

Analysis Type: REA2

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.685		0.0503	MDL	0.101	PQL	mg/Kg	J	Q

Sample ID: SL-014-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 10:05:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.242		0.0744	MDL	0.201	PQL	mg/Kg	J	Q
ARSENIC	4.58		0.0804	MDL	0.402	PQL	mg/Kg	J	Q
CADMIUM	0.210		0.0442	MDL	0.101	PQL	mg/Kg	J	Q
CHROMIUM	31.3		0.121	MDL	0.402	PQL	mg/Kg	J	Q
COBALT	5.97		0.0201	MDL	0.101	PQL	mg/Kg	J	Q
COPPER	7.35		0.0804	MDL	0.402	PQL	mg/Kg	J	Q
LEAD	11.9		0.0103	MDL	0.201	PQL	mg/Kg	J	Q
NICKEL	11.6		0.101	MDL	0.402	PQL	mg/Kg	J	Q
SILVER	0.0258	J	0.0143	MDL	0.101	PQL	mg/Kg	J	Z, Q
THALLIUM	0.186		0.0302	MDL	0.101	PQL	mg/Kg	J	Q

Sample ID: SL-015-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 10:45:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.241	J	0.0573	MDL	0.395	PQL	mg/Kg	J	Z

Sample ID: SL-015-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 10:45:00

Analysis Type: REA2

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.779		0.0494	MDL	0.0987	PQL	mg/Kg	J	Q

Sample ID: SL-015-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 10:45:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.305		0.0731	MDL	0.197	PQL	mg/Kg	J	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:37 AM

ADR version 1.4.0.111

Page 10 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: SL-015-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 10:45:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	6.25		0.0790	MDL	0.395	PQL	mg/Kg	J	Q
CADMIUM	0.279		0.0434	MDL	0.0987	PQL	mg/Kg	J	Q
CHROMIUM	39.8		0.118	MDL	0.395	PQL	mg/Kg	J	Q
COBALT	8.50		0.0197	MDL	0.0987	PQL	mg/Kg	J	Q
COPPER	9.03		0.0790	MDL	0.395	PQL	mg/Kg	J	Q
LEAD	11.6		0.0101	MDL	0.197	PQL	mg/Kg	J	Q
NICKEL	15.5		0.0987	MDL	0.395	PQL	mg/Kg	J	Q
SILVER	0.0297	J	0.0140	MDL	0.0987	PQL	mg/Kg	J	Z, Q
THALLIUM	0.233		0.0296	MDL	0.0987	PQL	mg/Kg	J	Q

Sample ID: SL-016-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 9:15:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.220	J	0.0604	MDL	0.416	PQL	mg/Kg	J	Z

Sample ID: SL-016-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 9:15:00

Analysis Type: REA2

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.726		0.0521	MDL	0.104	PQL	mg/Kg	J	Q

Sample ID: SL-016-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 9:15:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.287		0.0770	MDL	0.208	PQL	mg/Kg	J	Q
ARSENIC	5.99		0.0833	MDL	0.416	PQL	mg/Kg	J	Q
CADMIUM	0.286		0.0458	MDL	0.104	PQL	mg/Kg	J	Q
CHROMIUM	38.1		0.125	MDL	0.416	PQL	mg/Kg	J	Q
COBALT	8.95		0.0208	MDL	0.104	PQL	mg/Kg	J	Q
COPPER	9.83		0.0833	MDL	0.416	PQL	mg/Kg	J	Q
LEAD	13.3		0.0106	MDL	0.208	PQL	mg/Kg	J	Q
NICKEL	15.7		0.104	MDL	0.416	PQL	mg/Kg	J	Q
SILVER	0.0328	J	0.0148	MDL	0.104	PQL	mg/Kg	J	Z, Q
THALLIUM	0.245		0.0312	MDL	0.104	PQL	mg/Kg	J	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:37 AM

ADR version 1.4.0.111

Page 11 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: SL-017-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:35:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.253	J	0.0584	MDL	0.403	PQL	mg/Kg	J	Z

Sample ID: SL-017-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:35:00

Analysis Type: REA2

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.808		0.0504	MDL	0.101	PQL	mg/Kg	J	Q

Sample ID: SL-017-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:35:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.328		0.0745	MDL	0.201	PQL	mg/Kg	J	Q
ARSENIC	6.84		0.0806	MDL	0.403	PQL	mg/Kg	J	Q
CADMIUM	0.338		0.0443	MDL	0.101	PQL	mg/Kg	J	Q
CHROMIUM	43.4		0.121	MDL	0.403	PQL	mg/Kg	J	Q
COBALT	10.6		0.0201	MDL	0.101	PQL	mg/Kg	J	Q
COPPER	10.5		0.0806	MDL	0.403	PQL	mg/Kg	J	Q
LEAD	30.0		0.0103	MDL	0.201	PQL	mg/Kg	J	Q
NICKEL	17.8		0.101	MDL	0.403	PQL	mg/Kg	J	Q
SILVER	0.0461	J	0.0143	MDL	0.101	PQL	mg/Kg	J	Z, Q
THALLIUM	0.245		0.0302	MDL	0.101	PQL	mg/Kg	J	Q

Sample ID: SL-033-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 1:25:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.194	J	0.0595	MDL	0.411	PQL	mg/Kg	J	Z

Sample ID: SL-033-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 1:25:00

Analysis Type: REA2

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.646		0.0513	MDL	0.103	PQL	mg/Kg	J	Q

Sample ID: SL-033-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 1:25:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.340		0.0760	MDL	0.205	PQL	mg/Kg	J	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:37 AM

ADR version 1.4.0.111

Page 12 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: SL-033-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 1:25:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	8.25		0.0821	MDL	0.411	PQL	mg/Kg	J	Q
CADMIUM	0.304		0.0452	MDL	0.103	PQL	mg/Kg	J	Q
CHROMIUM	42.4		0.123	MDL	0.411	PQL	mg/Kg	J	Q
COBALT	15.0		0.0205	MDL	0.103	PQL	mg/Kg	J	Q
COPPER	20.5		0.0821	MDL	0.411	PQL	mg/Kg	J	Q
LEAD	12.4		0.0105	MDL	0.205	PQL	mg/Kg	J	Q
NICKEL	28.7		0.103	MDL	0.411	PQL	mg/Kg	J	Q
SILVER	0.0371	J	0.0146	MDL	0.103	PQL	mg/Kg	J	Z, Q
THALLIUM	0.448		0.0308	MDL	0.103	PQL	mg/Kg	J	Q

Sample ID: SL-034-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 1:45:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.272	J	0.0598	MDL	0.413	PQL	mg/Kg	J	Z

Sample ID: SL-034-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 1:45:00

Analysis Type: REA2

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.548		0.0516	MDL	0.103	PQL	mg/Kg	J	Q

Sample ID: SL-034-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 1:45:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.392		0.0763	MDL	0.206	PQL	mg/Kg	J	Q
ARSENIC	7.40		0.0825	MDL	0.413	PQL	mg/Kg	J	Q
CADMIUM	0.304		0.0454	MDL	0.103	PQL	mg/Kg	J	Q
CHROMIUM	40.0		0.124	MDL	0.413	PQL	mg/Kg	J	Q
COBALT	13.9		0.0206	MDL	0.103	PQL	mg/Kg	J	Q
COPPER	21.6		0.0825	MDL	0.413	PQL	mg/Kg	J	Q
LEAD	12.4		0.0105	MDL	0.206	PQL	mg/Kg	J	Q
NICKEL	27.8		0.103	MDL	0.413	PQL	mg/Kg	J	Q
SILVER	0.0485	J	0.0146	MDL	0.103	PQL	mg/Kg	J	Z, Q
THALLIUM	0.432		0.0309	MDL	0.103	PQL	mg/Kg	J	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:37 AM

ADR version 1.4.0.111

Page 13 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: SL-040-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 3:05:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.188	J	0.0588	MDL	0.405	PQL	mg/Kg	J	Z

Sample ID: SL-040-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 3:05:00

Analysis Type: REA2

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.762		0.0507	MDL	0.101	PQL	mg/Kg	J	Q

Sample ID: SL-040-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 3:05:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.258		0.0750	MDL	0.203	PQL	mg/Kg	J	Q
ARSENIC	5.98		0.0811	MDL	0.405	PQL	mg/Kg	J	Q
CADMIUM	0.217		0.0446	MDL	0.101	PQL	mg/Kg	J	Q
CHROMIUM	33.2		0.122	MDL	0.405	PQL	mg/Kg	J	Q
COBALT	9.83		0.0203	MDL	0.101	PQL	mg/Kg	J	Q
COPPER	10.9		0.0811	MDL	0.405	PQL	mg/Kg	J	Q
LEAD	14.1		0.0103	MDL	0.203	PQL	mg/Kg	J	Q
NICKEL	17.7		0.101	MDL	0.405	PQL	mg/Kg	J	Q
SILVER	0.0289	J	0.0144	MDL	0.101	PQL	mg/Kg	J	Z, Q
THALLIUM	0.273		0.0304	MDL	0.101	PQL	mg/Kg	J	Q

Sample ID: SL-103-SA7-SB-18.0-19.0

Collected: 9/28/2011 2:30:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.204	J	0.0619	MDL	0.427	PQL	mg/Kg	J	Z

Sample ID: SL-103-SA7-SB-18.0-19.0

Collected: 9/28/2011 2:30:00

Analysis Type: REA2

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.483		0.0533	MDL	0.107	PQL	mg/Kg	J	Q

Sample ID: SL-103-SA7-SB-18.0-19.0

Collected: 9/28/2011 2:30:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.133	J	0.0790	MDL	0.213	PQL	mg/Kg	J	Z, Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:38 AM

ADR version 1.4.0.111

Page 14 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: SL-103-SA7-SB-18.0-19.0

Collected: 9/28/2011 2:30:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	5.12		0.0854	MDL	0.427	PQL	mg/Kg	J	Q
CADMIUM	0.118		0.0469	MDL	0.107	PQL	mg/Kg	J	Q
CHROMIUM	17.2		0.128	MDL	0.427	PQL	mg/Kg	J	Q
COBALT	5.93		0.0213	MDL	0.107	PQL	mg/Kg	J	Q
COPPER	8.28		0.0854	MDL	0.427	PQL	mg/Kg	J	Q
LEAD	5.34		0.0109	MDL	0.213	PQL	mg/Kg	J	Q
NICKEL	11.5		0.107	MDL	0.427	PQL	mg/Kg	J	Q
SILVER	0.0267	J	0.0151	MDL	0.107	PQL	mg/Kg	J	Z, Q
THALLIUM	0.254		0.0320	MDL	0.107	PQL	mg/Kg	J	Q

Sample ID: SL-106-SA7-SB-16.5-17.5

Collected: 9/28/2011 12:45:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.210	J	0.0621	MDL	0.428	PQL	mg/Kg	J	Z

Sample ID: SL-106-SA7-SB-16.5-17.5

Collected: 9/28/2011 12:45:00

Analysis Type: REA2

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.909		0.0535	MDL	0.107	PQL	mg/Kg	J	Q

Sample ID: SL-106-SA7-SB-16.5-17.5

Collected: 9/28/2011 12:45:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.347		0.0792	MDL	0.214	PQL	mg/Kg	J	Q
ARSENIC	10.5		0.0856	MDL	0.428	PQL	mg/Kg	J	Q
CADMIUM	0.183		0.0471	MDL	0.107	PQL	mg/Kg	J	Q
CHROMIUM	31.6		0.128	MDL	0.428	PQL	mg/Kg	J	Q
COBALT	9.55		0.0214	MDL	0.107	PQL	mg/Kg	J	Q
COPPER	15.9		0.0856	MDL	0.428	PQL	mg/Kg	J	Q
LEAD	16.3		0.0109	MDL	0.214	PQL	mg/Kg	J	Q
NICKEL	19.5		0.107	MDL	0.428	PQL	mg/Kg	J	Q
SILVER	0.0434	J	0.0152	MDL	0.107	PQL	mg/Kg	J	Z, Q
THALLIUM	0.414		0.0321	MDL	0.107	PQL	mg/Kg	J	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:38 AM

ADR version 1.4.0.111

Page 15 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: SL-106-SA7-SB-19.0-20.0

Collected: 9/28/2011 9:50:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.213	J	0.0609	MDL	0.420	PQL	mg/Kg	J	Z

Sample ID: SL-106-SA7-SB-19.0-20.0

Collected: 9/28/2011 9:50:00

Analysis Type: REA2

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	4.43		0.0525	MDL	0.105	PQL	mg/Kg	J	Q

Sample ID: SL-106-SA7-SB-19.0-20.0

Collected: 9/28/2011 9:50:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.143	J	0.0778	MDL	0.210	PQL	mg/Kg	J	Z, Q
ARSENIC	5.25		0.0841	MDL	0.420	PQL	mg/Kg	J	Q
CADMIUM	0.186		0.0462	MDL	0.105	PQL	mg/Kg	J	Q
CHROMIUM	28.1		0.126	MDL	0.420	PQL	mg/Kg	J	Q
COBALT	6.42		0.0210	MDL	0.105	PQL	mg/Kg	J	Q
COPPER	9.86		0.0841	MDL	0.420	PQL	mg/Kg	J	Q
LEAD	6.75		0.0107	MDL	0.210	PQL	mg/Kg	J	Q
NICKEL	13.8		0.105	MDL	0.420	PQL	mg/Kg	J	Q
SILVER	0.0200	J	0.0149	MDL	0.105	PQL	mg/Kg	J	Z, Q
THALLIUM	0.311		0.0315	MDL	0.105	PQL	mg/Kg	J	Q

Sample ID: SL-106-SA7-SB-4.0-5.0

Collected: 9/28/2011 12:15:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.131	J	0.0579	MDL	0.399	PQL	mg/Kg	J	Z

Sample ID: SL-106-SA7-SB-4.0-5.0

Collected: 9/28/2011 12:15:00

Analysis Type: REA2

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.511		0.0499	MDL	0.0997	PQL	mg/Kg	J	Q

Sample ID: SL-106-SA7-SB-4.0-5.0

Collected: 9/28/2011 12:15:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0932	J	0.0738	MDL	0.199	PQL	mg/Kg	J	Z, Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:38 AM

ADR version 1.4.0.111

Page 16 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020

Matrix: SO

Sample ID: SL-106-SA7-SB-4.0-5.0

Collected: 9/28/2011 12:15:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	4.57		0.0798	MDL	0.399	PQL	mg/Kg	J	Q
CADMIUM	0.109		0.0439	MDL	0.0997	PQL	mg/Kg	J	Q
CHROMIUM	16.3		0.120	MDL	0.399	PQL	mg/Kg	J	Q
COBALT	5.67		0.0199	MDL	0.0997	PQL	mg/Kg	J	Q
COPPER	7.35		0.0798	MDL	0.399	PQL	mg/Kg	J	Q
LEAD	5.54		0.0102	MDL	0.199	PQL	mg/Kg	J	Q
NICKEL	11.0		0.0997	MDL	0.399	PQL	mg/Kg	J	Q
SILVER	0.0241	J	0.0142	MDL	0.0997	PQL	mg/Kg	J	Z, Q
THALLIUM	0.270		0.0299	MDL	0.0997	PQL	mg/Kg	J	Q

Sample ID: SL-106-SA7-SB-9.0-10.0

Collected: 9/28/2011 12:30:00

Analysis Type: REA

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.160	J	0.0615	MDL	0.424	PQL	mg/Kg	J	Z

Sample ID: SL-106-SA7-SB-9.0-10.0

Collected: 9/28/2011 12:30:00

Analysis Type: REA2

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.529		0.0531	MDL	0.106	PQL	mg/Kg	J	Q

Sample ID: SL-106-SA7-SB-9.0-10.0

Collected: 9/28/2011 12:30:00

Analysis Type: RES

Dilution: 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.127	J	0.0785	MDL	0.212	PQL	mg/Kg	J	Z, Q
ARSENIC	4.88		0.0849	MDL	0.424	PQL	mg/Kg	J	Q
CADMIUM	0.160		0.0467	MDL	0.106	PQL	mg/Kg	J	Q
CHROMIUM	16.5		0.127	MDL	0.424	PQL	mg/Kg	J	Q
COBALT	6.43		0.0212	MDL	0.106	PQL	mg/Kg	J	Q
COPPER	7.93		0.0849	MDL	0.424	PQL	mg/Kg	J	Q
LEAD	5.51		0.0108	MDL	0.212	PQL	mg/Kg	J	Q
NICKEL	12.7		0.106	MDL	0.424	PQL	mg/Kg	J	Q
THALLIUM	0.277		0.0318	MDL	0.106	PQL	mg/Kg	J	Q

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:38 AM

ADR version 1.4.0.111

Page 17 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 7199

Matrix: SO

Sample ID: DUP-02-SA5DS-QC-092811

Collected: 9/28/2011 1:55:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	1.0		0.20	MDL	1.0	PQL	mg/Kg	J	FD

Sample ID: SL-008-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 7:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.48	J	0.20	MDL	0.99	PQL	mg/Kg	J	Z

Sample ID: SL-009-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 9:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.68	J	0.20	MDL	0.99	PQL	mg/Kg	J	Z

Sample ID: SL-010-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.21	J	0.20	MDL	1.0	PQL	mg/Kg	J	Z

Sample ID: SL-014-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 10:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.53	J	0.20	MDL	1.0	PQL	mg/Kg	J	Z

Sample ID: SL-016-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 9:15:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.73	J	0.19	MDL	0.97	PQL	mg/Kg	J	Z

Sample ID: SL-034-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 1:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.21	U	0.21	MDL	1.0	PQL	mg/Kg	UJ	FD

Sample ID: SL-103-SA7-SB-18.0-19.0

Collected: 9/28/2011 2:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.23	J	0.22	MDL	1.1	PQL	mg/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:38 AM

ADR version 1.4.0.111

Page 18 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 7199

Matrix: SO

Sample ID: SL-106-SA7-SB-16.5-17.5

Collected: 9/28/2011 12:45:00

Analysis Type: RES

Dilution: 10

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	8.5	J	2.0	MDL	10.2	PQL	mg/Kg	J	Z

Method Category: METALS

Method: 7470A

Matrix: AQ

Sample ID: EB-SA5DS-SS-092811

Collected: 9/28/2011 1:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.000045	J	0.000026	MDL	0.00020	PQL	mg/L	U	B, B

Method Category: METALS

Method: 7471A

Matrix: SO

Sample ID: SL-007-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0121	J	0.0069	MDL	0.0981	PQL	mg/Kg	U	F

Sample ID: SL-009-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 9:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0105	J	0.0069	MDL	0.0983	PQL	mg/Kg	U	F

Sample ID: SL-010-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0133	J	0.0067	MDL	0.0947	PQL	mg/Kg	U	F

Sample ID: SL-013-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 11:00:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0081	J	0.0070	MDL	0.0997	PQL	mg/Kg	U	F

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:38 AM

ADR version 1.4.0.111

Page 19 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 7471A

Matrix: SO

Sample ID: SL-014-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 10:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0114	J	0.0071	MDL	0.101	PQL	mg/Kg	U	F

Sample ID: SL-015-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 10:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0472	J	0.0070	MDL	0.0991	PQL	mg/Kg	J	Z

Sample ID: SL-017-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0238	J	0.0069	MDL	0.0978	PQL	mg/Kg	U	F

Sample ID: SL-106-SA7-SB-16.5-17.5

Collected: 9/28/2011 12:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0143	J	0.0072	MDL	0.102	PQL	mg/Kg	J	Z

Sample ID: SL-106-SA7-SB-19.0-20.0

Collected: 9/28/2011 9:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0073	J	0.0072	MDL	0.102	PQL	mg/Kg	J	Z

Sample ID: SL-106-SA7-SB-9.0-10.0

Collected: 9/28/2011 12:30:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0073	J	0.0072	MDL	0.102	PQL	mg/Kg	J	Z

Method Category: SVOA

Method: 6850

Matrix: SO

Sample ID: SL-040-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 3:05:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PERCHLORATE	2.3	J	2.1	MDL	5.1	PQL	ug/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:38 AM

ADR version 1.4.0.111

Page 20 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 8081A

Matrix: SO

Sample ID: DUP-02-SA5DS-QC-092811

Collected: 9/28/2011 1:55:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,4'-DDE	0.36		0.068	MDL	0.35	PQL	ug/Kg	J	FD
4,4'-DDT	0.46		0.068	MDL	0.35	PQL	ug/Kg	J	FD
BETA-BHC	0.13	J	0.062	MDL	0.17	PQL	ug/Kg	J	Z, FD
Chlordane	1.9	J	0.83	MDL	3.5	PQL	ug/Kg	J	Z, FD
ENDRIN ALDEHYDE	0.13	J	0.068	MDL	0.35	PQL	ug/Kg	J	Z, FD
gamma-BHC (Lindane)	0.035	U	0.035	MDL	0.17	PQL	ug/Kg	UJ	FD

Sample ID: SL-007-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:00:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,4'-DDE	0.78		0.067	MDL	0.34	PQL	ug/Kg	J	S
4,4'-DDT	0.64		0.067	MDL	0.34	PQL	ug/Kg	J	S
Chlordane	1.9	J	0.81	MDL	3.4	PQL	ug/Kg	J	Z, S

Sample ID: SL-008-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 7:30:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Chlordane	1.9	J	0.81	MDL	3.4	PQL	ug/Kg	J	Z
DELTA-BHC	0.038	J	0.037	MDL	0.17	PQL	ug/Kg	J	Z

Sample ID: SL-009-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 9:50:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,4'-DDE	0.31	J	0.067	MDL	0.34	PQL	ug/Kg	J	Z
Chlordane	2.0	J	0.81	MDL	3.4	PQL	ug/Kg	J	Z
DELTA-BHC	0.071	J	0.036	MDL	0.17	PQL	ug/Kg	J	Z
ENDRIN ALDEHYDE	0.089	J	0.067	MDL	0.34	PQL	ug/Kg	J	Z

Sample ID: SL-010-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:20:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BETA-BHC	0.078	J	0.061	MDL	0.17	PQL	ug/Kg	J	Z
Chlordane	3.0	J	0.81	MDL	3.4	PQL	ug/Kg	J	Z
DELTA-BHC	0.061	J	0.036	MDL	0.17	PQL	ug/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:38 AM

ADR version 1.4.0.111

Page 21 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 8081A

Matrix: SO

Sample ID: SL-013-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 11:00:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Chlordane	1.7	J	0.82	MDL	3.5	PQL	ug/Kg	J	Z

Sample ID: SL-014-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 10:05:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Chlordane	1.7	J	0.81	MDL	3.4	PQL	ug/Kg	J	Z

Sample ID: SL-015-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 10:45:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,4'-DDE	0.24	J	0.068	MDL	0.35	PQL	ug/Kg	J	Z
4,4'-DDT	0.31	J	0.068	MDL	0.35	PQL	ug/Kg	J	Z
Chlordane	1.8	J	0.82	MDL	3.5	PQL	ug/Kg	J	Z

Sample ID: SL-016-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 9:15:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALPHA-BHC	0.076	J	0.036	MDL	0.17	PQL	ug/Kg	J	Z
Chlordane	2.5	J	0.84	MDL	3.6	PQL	ug/Kg	J	Z
HEPTACHLOR	0.077	J	0.063	MDL	0.17	PQL	ug/Kg	J	Z

Sample ID: SL-017-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:35:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,4'-DDD	0.067	U	0.067	MDL	0.35	PQL	ug/Kg	UJ	S
4,4'-DDE	2.2		0.067	MDL	0.35	PQL	ug/Kg	J	S
4,4'-DDT	2.9		0.067	MDL	0.35	PQL	ug/Kg	J	S
ALDRIN	0.067	U	0.067	MDL	0.17	PQL	ug/Kg	UJ	S
ALPHA-BHC	0.035	U	0.035	MDL	0.17	PQL	ug/Kg	UJ	S
BETA-BHC	0.061	U	0.061	MDL	0.17	PQL	ug/Kg	UJ	S
Chlordane	4.4		0.81	MDL	3.5	PQL	ug/Kg	J	S
DELTA-BHC	0.048	U	0.048	MDL	0.17	PQL	ug/Kg	UJ	S
DIELDRIN	0.23	U	0.23	MDL	0.35	PQL	ug/Kg	UJ	S
ENDOSULFAN I	0.071	U	0.071	MDL	0.17	PQL	ug/Kg	UJ	S
ENDOSULFAN II	0.26	U	0.26	MDL	0.35	PQL	ug/Kg	UJ	S

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:38 AM

ADR version 1.4.0.111

Page 22 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 8081A

Matrix: SO

Sample ID: SL-017-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:35:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ENDOSULFAN SULFATE	0.067	U	0.067	MDL	0.35	PQL	ug/Kg	UJ	S
ENDRIN	0.13	U	0.13	MDL	0.35	PQL	ug/Kg	UJ	S
ENDRIN ALDEHYDE	0.99		0.067	MDL	0.35	PQL	ug/Kg	J	S
ENDRIN KETONE	0.067	U	0.067	MDL	0.35	PQL	ug/Kg	UJ	S
gamma-BHC (Lindane)	0.035	U	0.035	MDL	0.17	PQL	ug/Kg	UJ	S
HEPTACHLOR	0.061	U	0.061	MDL	0.17	PQL	ug/Kg	UJ	S
HEPTACHLOR EPOXIDE	0.081	U	0.081	MDL	0.17	PQL	ug/Kg	UJ	S
METHOXYCHLOR	0.35	U	0.35	MDL	1.7	PQL	ug/Kg	UJ	S
MIREX	0.26	U	0.26	MDL	0.35	PQL	ug/Kg	UJ	S
TOXAPHENE	18	U	18	MDL	18	PQL	ug/Kg	UJ	S

Sample ID: SL-034-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 1:45:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,4'-DDE	0.10	J	0.069	MDL	0.35	PQL	ug/Kg	J	Z, FD
4,4'-DDT	0.22	J	0.069	MDL	0.35	PQL	ug/Kg	J	Z, FD
BETA-BHC	0.062	U	0.062	MDL	0.17	PQL	ug/Kg	UJ	FD
Chlordane	0.90	J	0.83	MDL	3.5	PQL	ug/Kg	J	Z, FD
ENDRIN ALDEHYDE	0.069	U	0.069	MDL	0.35	PQL	ug/Kg	UJ	FD
gamma-BHC (Lindane)	0.038	J	0.035	MDL	0.17	PQL	ug/Kg	J	Z, FD

Sample ID: SL-040-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 3:05:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BETA-BHC	0.081	J	0.061	MDL	0.17	PQL	ug/Kg	J	Z
gamma-BHC (Lindane)	0.053	J	0.034	MDL	0.17	PQL	ug/Kg	J	Z

Method Category: SVOA

Method: 8082

Matrix: SO

Sample ID: DUP-02-SA5DS-QC-092811

Collected: 9/28/2011 1:55:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCOR 1254	0.62	J	0.34	MDL	1.8	PQL	ug/Kg	J	Z, FD

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:38 AM

ADR version 1.4.0.111

Page 23 of 35

Data Qualifier Summary

Lab Reporting Batch ID: DE257

Laboratory: LL

EDD Filename: PrepDE257_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 8082

Matrix: SO

Sample ID: SL-007-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:00:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1254	1.2	J	0.33	MDL	1.7	PQL	ug/Kg	J	Z
AROCLOR 1260	1.5	J	0.39	MDL	1.7	PQL	ug/Kg	J	Z

Sample ID: SL-008-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 7:30:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1254	1.6	J	0.33	MDL	1.7	PQL	ug/Kg	J	Z
Aroclor 5460	3.1	J	1.0	MDL	3.3	PQL	ug/Kg	J	Z

Sample ID: SL-009-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 9:50:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1254	2.0		0.34	MDL	1.7	PQL	ug/Kg	J	S
AROCLOR 1260	1.8		0.40	MDL	1.7	PQL	ug/Kg	J	S
Aroclor 5460	3.5		1.0	MDL	3.4	PQL	ug/Kg	J	S

Sample ID: SL-010-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 8:20:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1260	1.2	J	0.40	MDL	1.7	PQL	ug/Kg	J	Z
Aroclor 5460	3.1	J	1.0	MDL	3.3	PQL	ug/Kg	J	Z

Sample ID: SL-013-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 11:00:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1254	1.2	J	0.34	MDL	1.7	PQL	ug/Kg	J	Z, S
Aroclor 5460	1.9	J	1.0	MDL	3.4	PQL	ug/Kg	J	Z, S

Sample ID: SL-014-SA5DS-SS-0.0-0.5

Collected: 9/28/2011 10:05:00

Analysis Type: RES-BASE/NEUTRAL

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1254	0.92	J	0.33	MDL	1.7	PQL	ug/Kg	J	Z
AROCLOR 1260	0.92	J	0.39	MDL	1.7	PQL	ug/Kg	J	Z
Aroclor 5460	2.4	J	1.0	MDL	3.3	PQL	ug/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

1/12/2012 11:50:38 AM

ADR version 1.4.0.111

Page 24 of 35